

OLIGO



SYSTEM LUMINAIRES

2016 | 2017

feel the light

feel the light



SMART LIVING

Light makes a difference. To itself, us as people and our view of the world we live in.

The combination of LEDs and new digital technologies opens up a multitude of possibilities for better quality of light and life.

The smallest designs combined with the option for connection to digital building control systems set new standards in lighting technology. They turn system solutions from OLIGO into creative tools for modern lighting planning.

We hope you enjoy discovering the possibilities.

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System luminaires
for living space and property
2016 | 2017

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OLIGO INDUSTRIAL AND ARTISAN.

OLIGO IS ARTISAN

We have been manufacturing high quality luminaires for living spaces and the select shop and property market since 1987. With our multi-award winning single luminaires and track systems, as well as made-to-measure lighting concepts, we have an appropriate solution for every requirement.

We are creative lighting designers, and are committed to providing excellent workmanship and reliable quality.

OLIGO IS INDUSTRIAL

With around 150 experts, two production sites and state-of-the-art technology, we make precisely manufactured luminaires possible, even in serial production. As a result, we offer our partners and customers all the benefits of industrial production such as consistent functional quality, constant operability and long-lasting lighting technology.

Continual quality assurance is a prerequisite for maintaining our standards: from supplier management through to production and technology monitoring in the factory.



OLIGO IS "MADE IN GERMANY" IN THE BEST SENSE

We design, develop and manufacture OLIGO luminaires with the highest quality requirements entirely in Germany.

Regardless of whether its batch or serial production, we always place our trust in our close and long-term collaboration with specialist partners – tailor-made solutions from expert operations and service providers in the region who provide outstanding support for our product ideas in design and technology.



WE ARE THERE FOR YOU PERSONALLY.

SERVICE IS PARAMOUNT FOR US

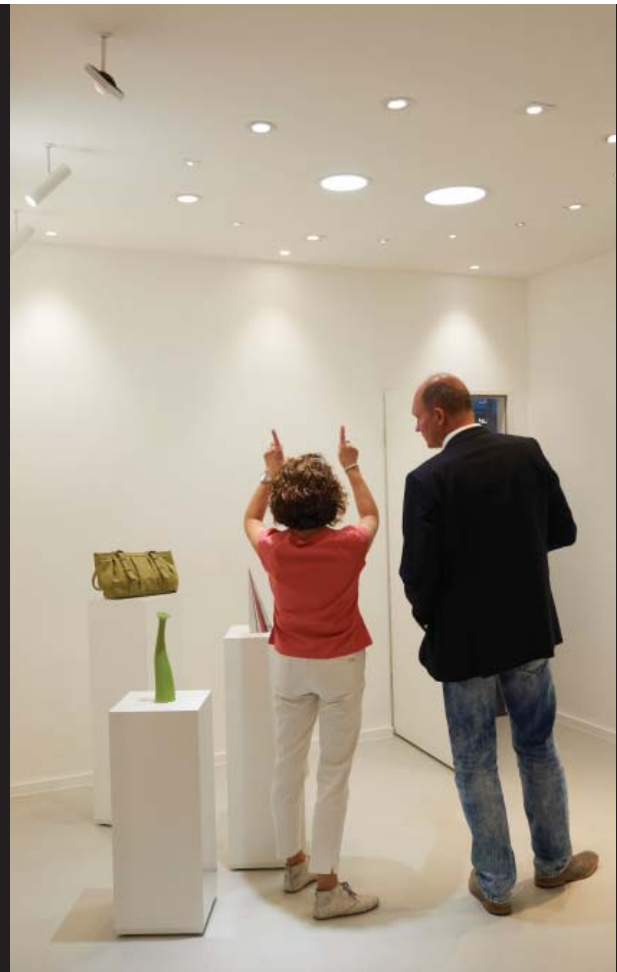
Our offering for specialist retailers, planners, architects and installers begins with high quality single luminaires and stretches through to professional lighting advice.

You can get answers to technical questions about our luminaires in our service centre. For us, responsibility for our products does not end with installation. An extensive stock of spare parts provides you with assurance that your OLIGO lights can be returned to perfect working order even after many years of use.

OUR OFFERING FOR LIGHTING PLANNERS AND ARCHITECTS

Whether it's living spaces, office spaces or commercial premises – their effect is substantially determined by the lighting. The wide variety of options from LED lighting technology and innovative operating concepts are making lighting planning increasingly challenging.

We support our customers and partners right from the planning phase with lighting technology expertise and digital planning tools, and we offer professionally planned solutions for almost all interior lighting requirements. A team of experienced sales representatives and lighting planners are available to you for individual advice.



KNOWING WHAT IS IMPORTANT.

WELCOME TO THE OLIGO LIGHTTORIAL

Are you a specialist retailer, lighting planner or electrician? In our training, we offer things worth knowing about lighting technology and lighting systems – underpinned with theory, applied practically and taught by experienced professionals. We deliberately provide training free of charge and in small groups of up to six participants.

OLIGO training courses take place in our Lighttorial in Hennef and also, upon request, at our specialist retailers' sites. Your OLIGO sales contact person will be happy to help you arrange an appointment.

OLIGO Lichttechnik GmbH
Lighttorial
Meysstraße 22-24
53773 Hennef

Tel.: +49 2242 8702 - 429
email: lighttorial@oligo.de

Do you have a training requirement which is not yet on our programme? We look forward to receiving your suggestions and are happy to discuss your themes.



OLIGO Showroom Hennef

FEEL THE LIGHT EXPERIENCE OLIGO LIVE.

VISIT US IN OUR SHOWROOMS AND POP-UP STORES

In our showrooms, you can obtain comprehensive information about our range of products and experience the optical and material quality of our luminaires for yourself. Among other places, we present our luminaires at our headquarters in Hennef near Bonn. We request that you make an appointment in advance so that we are able to provide you with individual advice.

In temporary pop-up stores at varying design hotspots in Germany, we present single luminaires for examination and picking up for a limited time. A current overview with addresses can be found at www.oligo.de.

CONCEPT GALLERY – CONCEPTS FOR LIGHT AND SPACE

The concept gallery collects the major furnishing themes of floor, wall, ceiling and light into a comprehensive design concept and is a recommended port of call for planners, developers and lighting enthusiasts. Together with various brand partners, we present light and luminaires in combination with exquisite interior design.

Events and seminars make the concept galleries meeting points for the local lighting and architecture scene. At regular intervals, we, together with our brand partners, invite you to an exchange of ideas or project presentation, a get together or even for excursions.



Concept Gallery Düsseldorf

OLIGO INTERNATIONAL SALES

Are you an architect, interior designer or lighting planner and want to be informed about the concept gallery events? Write to us or give us a call, we will be happy to provide information about planned topics and dates.

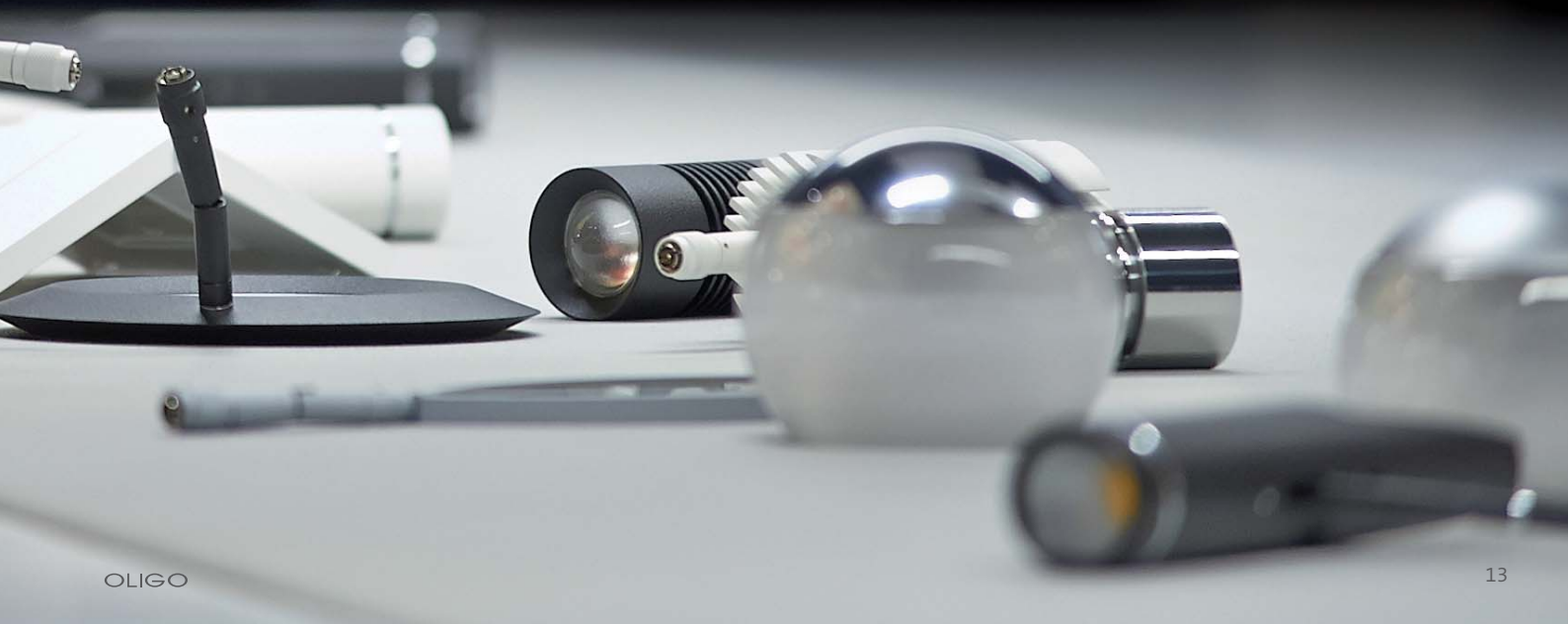
Concept Gallery Düsseldorf
Ernst-Gross-Strasse 5
D-40219 Düsseldorf

Tel.: +49 211-1576072-0
email: info@concept-gallery.de
www.concept-gallery.de

Outside Germany, we work with various distribution partners. Find your nearest dealer using the dealer search on our service page at www.oligo.de.



QUALITY THAT YOU CAN
SEE AND FEEL: IN EACH AND
EVERY PRODUCT.



OUR IDEA OF GOOD LIGHT IS THE COMBINATION OF DESIGN, FUNCTION AND QUALITY.

The homogeneous fusion of design and functionality, taking the highest quality standards into account, is a particular feature of OLIGO luminaires.

All OLIGO luminaires are designed by our development team at the Hennef site. In the design and engineering phase, we determine essential product factors such as light output, range of functions, thermal management or area of application and thus directly influence the quality and longevity of our products.

We also make decisions with regard to the components used, the choice of materials and the finishing with great care.

Our preferred material is aluminium. We achieve precise edges and an excellent surface finish in all parts through elaborate processing with exact turning and milling grades. High quality surface finishes, such as polished chrome surfaces or extensive anodic oxidation for example, give our luminaires a finish which is as unique as it is durable.

We also apply the highest quality standards when purchasing LED components. Each luminaire is equipped with LED modules developed in-house in order to be able to optimally balance the light scene and the light output with one another. We thus achieve a homogeneous light output across the entire luminaire surface.

In our optical systems, we use high quality glass lenses and never plastic lenses. Durable materials such as glass and aluminium make each luminaire a long-lasting fixture.

TRACK SYSTEMS

As many as necessary, as few as possible: when designing track and adapter systems, we concentrate on the smallest, most elegant possible designs. The focus should be on the luminaire and not on the power supply.

SMART.IQ

Intelligence with a system: still easy to integrate into the lighting system retroactively, wireless adapters developed in-house bring intelligence into play. In the blink of an eye, they transform the track system into a smart home solution and allow the system luminaires to be controlled digitally.

ADAPTERS

Perfectly coordinated with our track systems: adapters from OLIGO are not only designed precisely for the particular track system, they can also be locked without any tools. This ensures an optimal power supply to the luminaire and quick installation. Intelligent anti-rotation protection guarantees additional security.

LED MODULES

Guaranteed constant light quality: the lighting properties of the LEDs vary in terms of colour and brightness due to production factors. During the course of consistent quality testing, we are continually ensuring that only LEDs with identical binning (so identical brightness and light colour) are used.



REFLECTORS, OPTICAL LENSES AND PRISMS: REFINEMENTS ON PRECISE LIGHTING CONTROL.

In order to meet the high expectations for modern living space and property lighting, OLIGO has developed a range of LED luminaires with a wide variety of light distribution characteristics. It ranges from directed spotlights through to diffuse room lights and is characterised by excellent light scenes.

Light is omnipresent but hard to grasp. – Or is it? With the right know-how, it can be directed, focused, filtered.

Our work begins with the idea of a well designed luminaire. Only then do we bring light scene and luminaire together in a multi-phase development process. Here, we use quality lenses which are also used, for example, in the automotive industry and aviation. Our aim is to achieve a realisation of the intended light distribution which is as excellent as it is efficient.

REFLECTORS – COUNTLESS FACETS FOR BRILLIANT LIGHT

The light is directed into the room in a controlled manner via reflectors. They are principally used for designing system spotlights and have many benefits in combinations with LEDs.

Finding the optimal reflector for luminaires with a small structural form isn't easy. In order to achieve the highest level of efficiency, the design of the reflector needs to be coordinated with the physical and photometric properties of the LED light source. At the same time, the thermal properties of the luminaire body need to be taken into account. With individually calculated, highly efficient reflectors, we achieve almost complete reflection of the light with exact, almost lossless light control.

OPTICAL LENSES – TRANSPARENT PRECISION

Material and manufacturing processes determine the quality of an optical lens. Cheap plastic lenses project colour fringes at the edges of the cone of light, create turbulent light scenes and have only limited resistance to ageing.

High quality glass lenses, on the other hand, are free from air pockets, precisely formed, polished and centred. That's why we use quality lenses in our luminaires with lens technology, similar to those which are used in measurement technology or microscopy. They ensure a high degree of transmission and allow for exact control of the light spectrum across the entire service life of the luminaire.

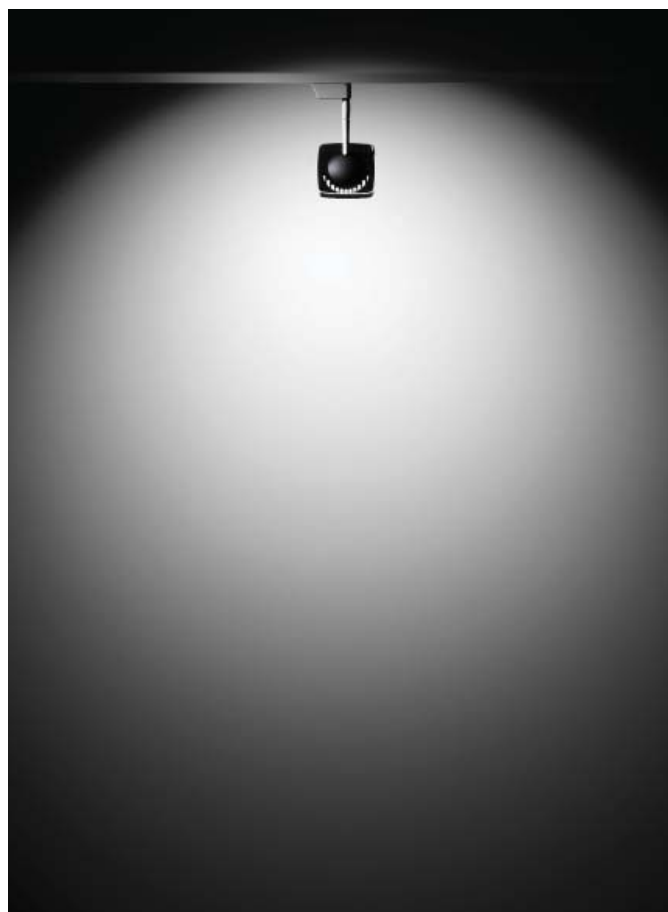
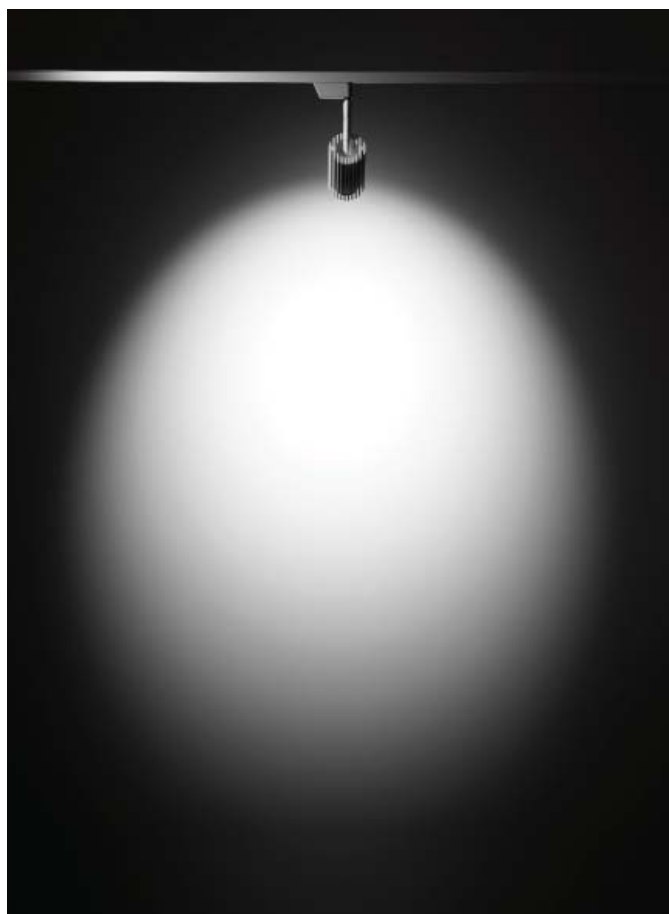
In many of the LED luminaires from OLIGO, the optical lenses have a micro satin finish on the back. This fine texture, coordinated individually with the light source, causes further homogenisation of the light scene with excellent colour mixing. The gently fading light-dark border and the absence of any corona formation at the edge of the cone of light are an unmistakeable quality criterion for good light.

PRISMATIC LENSES – SHEER SHINE

Room lights and single luminaires from OLIGO are equipped with high quality prismatic lenses. They reduce the glare of the light source and distribute the light evenly across the breadth.

Quality and purity of the acrylic glass determine the quality of the light scene. Through precise calculation and hot stamping, prismatic structures which combine precise light control functions with the greatest possible efficiency can be created. Carefully calculated, each luminaire receives its individual interpretation in the light scene.

As a fortuitous side effect, prismatic lenses have high decorative value thanks to their diamond-like sparkle which we like to pick up and integrate selectively into the design of our luminaires.



RIDGE MAX Spotlight, reflector 26°
KELVEEN Spotlight, lens 40°

41 DEGREES Room light
KELVEEN Spotlight, lens 90°



WITH HIGH QUALITY SURFACES,
LUMINAIRES FROM OLIGO ADD
SOPHISTICATED ACCENTS TO THE
ROOM.



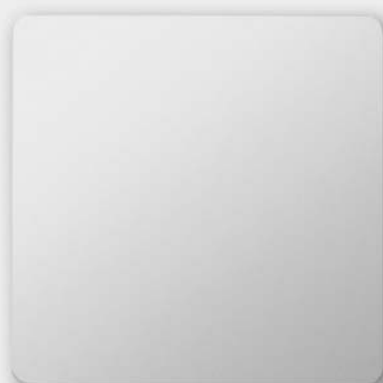
CHROME



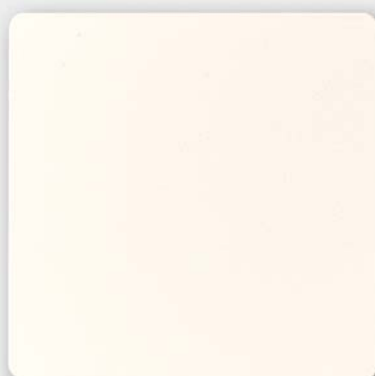
MATT SILVER



MATT BLACK | RAL 9005



MATT SILVER II



MATT WHITE | RAL 9016

FROM MATT TO GLOSSY – OUR COLOURS AND SURFACES.

ANODISED SURFACES

The process of anodising surfaces originated from protection against corrosion, but by now it has also established itself for the finishing of decorative surfaces. Through anodic oxidation, the work piece is given a protective oxidic layer just a few micrometres thick. This is formed through conversion of the upper metal layer. As a result, polished work pieces for which the surface finish must be retained have to be anodised particularly carefully.

BRUSHED ALUMINIUM

A brushed surface can be produced on a variety of pretreated aluminium work pieces. Brushes of different rigidity and thickness are used depending on the hardness of the material. The art is in guiding the work piece evenly onto the brushes so that it results in an even grinding pattern. For an optimal result, the operation must be completed in a single stroke.









POWDERED SURFACES






Powder coating is a tried and tested form of tempering for metal surfaces which was developed in the late 60s from the varnishing processes which were usual at the time. Typical surfaces for powder coating are steel, galvanised steel and aluminium. The process occurs automatically and is also used in car manufacturing to some extent. It guarantees evenly coloured, durable surfaces with a homogeneous surface texture.

POLISHED CHROME SURFACES

The production of a perfectly shiny chrome surface requires at least five work processes. In various steps, the blank is polished, copper-plated, polished again, then nickel-plated and finally chrome-plated. Here, the shine is generated not by the thickness of the chrome layer applied, but by the nickel layer underneath. Shiny surfaces can also be produced by polishing metals.

SYSTEM COLOURS AT A GLANCE

	24 V SMART:TRACK			230 V PHASE			230 V CHECK-IN	
								
Description	Matt chrome	Matt white	Matt black	Matt chrome	Matt white	Matt black	Chrome	Matt chrome
Colour code	CM	WM	BM	CM	WM	BM	C	CM
Colour number	06	21	23	06	21	23	05	06
Note						upon request		

	12 V / 24 V / 230 V SHOP			12 V READY FOR TAKE OFF / 12 V PLUG-IN / 12 V LIGHT-LINE	
					
Description	Chrome	Matt chrome	Matt white	Chrome	Matt chrome
Colour code	C	CM	WM	C	CM
Colour number	05	06	21	05	06

THE LED IS LIKE A RAW DIAMOND. ONLY THROUGH
COMBINATION WITH HIGHLY PRECISE LENSES,
COORDINATED THERMAL MANAGEMENT AND
INTELLIGENT ELECTRONICS DOES IT BECOME A HIGH
QUALITY LIGHTING TOOL.





LED – INNOVATIVE TECHNOLOGY, INTELLIGENTLY DESIGNED.

The breakneck pace of progress for LED technology has not let up to date. By now, we can no longer imagine living spaces in a modern design without the use of LEDs. The new image has revolutionised the luminaire market as a result, and makes it necessary for manufacturers and buyers of high quality, innovative luminaires to grapple with this development.

LIGHT COLOUR / COLOUR TEMPERATURE

In LED technology, the colour temperature is just as important as the thematically related white balance in digital photography. Ultimately, the thematic background is identical and can most easily be explained through the observation of nature: the sunlight is influenced by a variety of factors so the eye perceives a significantly warmer shade during a sunset than under the brilliant midday sun.

The colour temperature is measured in kelvin (K) – the higher the value, the colder (more blue) the light is. We therefore talk about warm and cold light. However, what is perceived to be pleasant in nature generally does not meet the needs of the private living area. “Cold” light from approx. 5,400 K is considered to be unpleasant in the living area. On the other hand a “warm” 2,700 – 3,000 K acts as a “feel-good colour temperature”. However, there are definitely areas of application, such as in the office or in the food trade, in which completely different colour temperatures are desired or required.

COLOUR REPRODUCTION INDEX

All lamp technologies (e.g. incandescent lamps, fluorescent lamps or halogen lamps) have different qualities with regard to the colour reproduction. This means that colours are not equally easy to recognise with every type of lighting. At 2,700 kelvin, incandescent lamps have a colour reproduction index or colour rendering index (CRI) of 100. High quality LEDs currently achieve values of between 80 and 97 CRI. Depending on the area of application, such as in museums or fashion stores for example, a higher colour reproduction index is absolutely necessary.

TEMPERATURE MANAGEMENT

Contrary to popular belief, temperature plays an exceptionally important role in LEDs. Although they don't get as hot as incandescent lamps, the operating temperature is still crucial for the service life and other qualitative factors of the LED. A high quality LED luminaire therefore has sophisticated temperature management. Extensive testing and development processes are a permanent part of the development service at OLIGO in order to design reliable luminaires. Instead of relying on the massive dimensions of the luminaire body to take care of the necessary temperature regulation, we make use of all of our expertise in order to achieve or exceed comparable light outputs and quality in subtle and delicate sizes.

SERVICE LIFE

Taking optimal temperature management into account, you can assume an average service life of up to 50,000 operating hours for a modern LED. This corresponds to a service life of 17 years with a daily operating period of 8 hours. Because of this, LEDs are often permanently built into the luminaires and do not have a lamp socket which allows the user to change the lamp. Alongside the combination of product design and thermal management in product development, the careful selection of the optimal LED is our commitment to long-lasting and consistent light quality. The same applies for LED lamps which are now available for standard models – so-called LED retrofits.

feel the light



LED RETROFIT LAMPS REVIEWED IN DETAIL.

The energy-efficient replacement for a conventional lamp is called LED retrofit. This lamp type has gained extensive importance as a result of the ban on incandescent light lamps. Even the classic track and cable systems from OLIGO can be fitted with energy-saving retrofits.

QUALITY ALSO COUNTS FOR LAMPS

If you want to convert an existing lighting system to LED retrofits, we recommend using exclusively high quality products from well-known manufacturers.

There are cheap and often substandard products available on the market which do not allow for objective comparison with branded goods as a result of inadequate or even missing technical information.

For LED retrofits, indications with regard to light colour, service life and replacement capacity should be considered to be average information. Particularly with substandard product quality, the tolerances are often wide apart since comprehensive examination and limitation of the products has been foregone in favour of the price. This can mean that one and the same product have different lighting effects which is particularly noticeable when multiple lamps are operated at the same time.

ENERGY EFFICIENCY CLASSES

In order to describe the efficiency of a lamp, there is a simple classification: the more lumen a lamp emits per watt of power, the more efficiently it converts the energy input into visible light.

As for large household appliances, EU 2014 also introduced the energy label as a labelling requirement for lamps. Thereby, lamps can be divided into the different energy classes. Unlike for fridges, for example, there is no class which is more efficient than the efficiency class A++ for lamps.

In the discussion of energy efficiency and environmental consciousness, the actual effect of light should not be neglected since the right light has a significant effect on general well-being. Cost awareness for consumption and the desired lighting mood should therefore be evaluated individually and the “right” light should always be understood to be an individual decision. For this reason, objective advice from experts is always recommended before the actual implementation of a lighting solution.

WHAT SHOULD BE CONSIDERED FOR A RETROFIT CONVERSION

1. Does the new lamp have the same luminous flux (lumen) and the same beam angle as the model to be replaced?
2. Is the new lamp suitable for the existing fitting and for the shape of the luminaire?
3. Are the accessory parts suitable for the LED retrofit lamp or might there be temperature problems?
4. If the existing luminaires are operated using a dimmer then care should be taken to ensure that the retrofit lamps are also compatible with the dimmer.
5. If a conventional low voltage system is being converted then the transformer must be replaced where applicable.
6. LED retrofit lamps are almost always designed for “free” installation. An enclosed luminaire housing can significantly reduce the specified service life in most cases.

THE LIGHT OF TOMORROW CAN DO MORE THAN JUST ILLUMINATE. INTELLIGENTLY NETWORKED AND DIGITALLY CONTROLLABLE, IT ENSURES WELL-BEING, APPEAL OR CONCENTRATION AND MAKES AN EFFICIENT CONTRIBUTION TO THE MANAGEMENT OF BUILDINGS.



SMART.IQ

FEEL WHAT LIGHT CAN DO!

Like no other light source before, the LED can be combined with the communication and control possibilities of the Internet thanks to its semiconductor technology and changes our handling of light. Discover a new world of intelligent lighting possibilities. Create your own personal light with the touch of a fingertip.

INTELLIGENT LIGHTING TECHNOLOGY FOR MORE LIGHTING CONVENIENCE

At home or in a commercial environment: smart system solutions and options for individual lighting control pave the way for more lighting convenience. With the newly developed SMART.IQ wireless components, OLIGO presents small format system modules which pack a punch. Easy to integrate, they bring intelligence into play and transform the 24 V LED lighting system into a smart home solution in the blink of an eye.

In order to allow for the broadest possible field of application in combination with other smart home compatible luminaires and appliances, OLIGO relies on strong partners in digital lighting control and offers SMART.IQ wireless components for two common wireless technologies. The components support the wireless solution from the Finnish manufacturer Casambi or the common HomeMatic home control system from the German manufacturer eQ-3.

CASAMBI

SIMPLY CLEVER

Casambi is an easy-to-integrate, free software for the mobile control of single luminaires and lighting systems. It is characterised by easy integration, simple technical design, wireless installation and intuitive control via a smartphone or tablet.

Even existing lighting units and conventional light switches can be integrated into the smart lighting control using a switch module which can be retrofitted. Casambi is therefore particularly suitable for retrofitting in existing buildings.



HomeMatic

THE SMART COMPLETE SOLUTION

HomeMatic is a cross-system smart home system for wireless intelligent building control. The system can be used to realise not just lighting, but also building surveillance functions, for example. It is available for retrofitting in the home as well as for new builds.

The individual connected devices such as blinds, heating, access control and weather sensors can be conveniently controlled using a smartphone or tablet, via a built-in centre, by remote control or using the PC software. HomeMatic is a product from the German manufacturer eQ-3.



PROFESSIONALLY SHOWCASING ROOMS WITH DALI.

DALI is the best known digital, standardised interface for controlling lighting technology control units. Originally designed for dimming fluorescent lamps, the system has developed into an all-round tool for professional lighting moods.

DALI – DIGITAL ADDRESSABLE LIGHTING INTERFACE

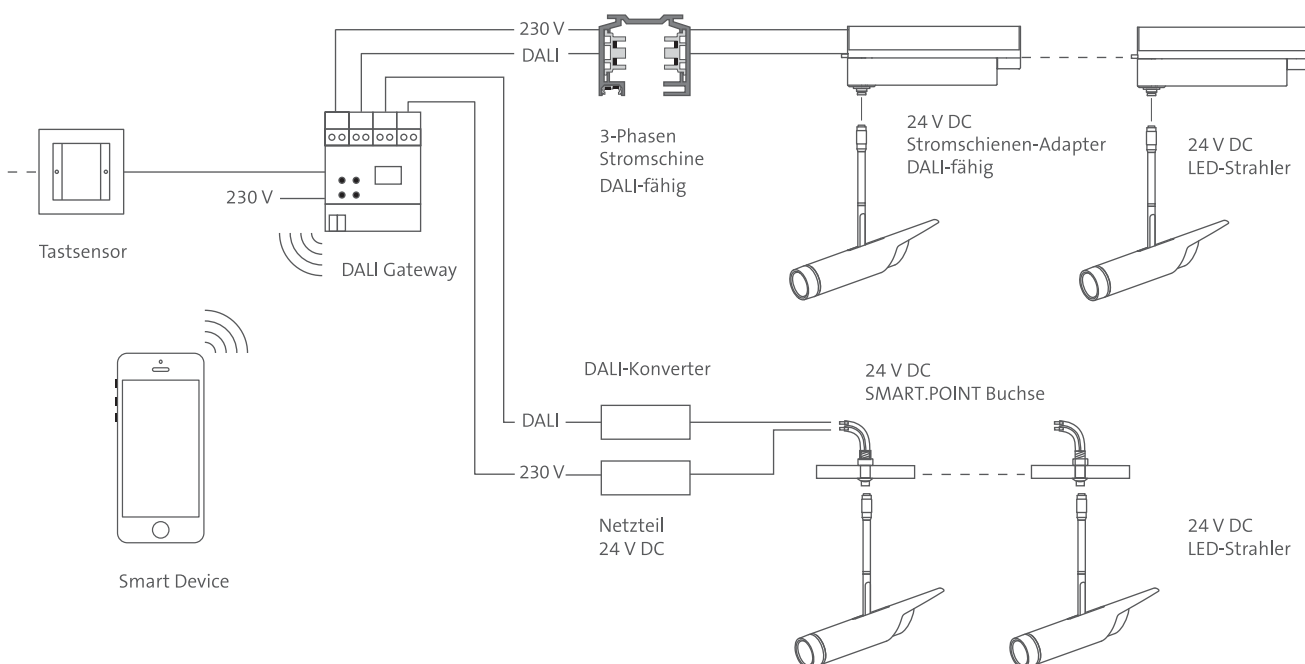
As a digital, open standard, DALI offers a multitude of products and areas of application which have distributed intelligence and automated functions such as individual status reporting or system monitoring.

Interfaces with complex systems for building systems technology such as KNX, LON or DMX allow DALI components to be combined with existing building control technology.

DALI-COMPATIBLE LED SYSTEM LUMINAIRES

With the new 24 volt LED system luminaires, OLIGO offers the option of integrating luminaires into the building automation system by means of DALI-compatible components. A three-pole pin with integrated signal pole allows for the configuration of lighting networks for larger commercial applications, or stand-alone systems for smaller installations.

The energy-efficient renovation of existing three-phase lighting systems in property can also be carried out with 24 volt LED system luminaires.



Example of a DALI application with individual and group control



LESS IS MORE IS NOT ENOUGH.

CONCENTRATION ON WHAT'S IMPORTANT

OLIGO comes from the Greek "oligós" and means "less". This central principle of a reduced design vocabulary defines our design attributes.

We want to showcase design and light with ease: as a glittering experience or in clear practicality, as bright joy or optical magic.

AWARD-WINNING AGAIN AND AGAIN

Concentration on the essential leads to subtle, compact luminaires with impressive light output and lighting technology full of finesse.

The result of the creative work of the OLIGO team, as well as the collaboration with well-known design studios, are lighting technology masterpieces which win recognition again and again.

Nominated
for the German
Design Prize



Designpreis der
Bundesrepublik
Deutschland
Nominiert

Interior Innovation
Award



German Design Award
Special Mention



Reddot
Design Award



reddot design award
winner

2009

BOSS
Design: Ralf Keferstein

2004

CHECK-IN track system
Design: Ralf Keferstein

2002

GATSBY pendant luminaire
Design: Ralf Keferstein

2015, Winner

FLAVIA light object
Design: Ottenwälder & Ottenwälder

2014, Selection

GLANCE luminaire family
Design: Ottenwälder & Ottenwälder

2012, Winner

TRINITY luminaire family
Design: EsserKnop Industriedesigner

2015

DECENT MAX
Design: OLIGO team

2013

TRINITY luminaire family
Design: EsserKnop Industriedesigner

2011

TRINITY luminaire family
Design: EsserKnop Industriedesigner

2003

CHECK-IN track system
Design: Ralf Keferstein

2001

GATSBY FINE pendant luminaire
Design: Ralf Keferstein

1998

PROP-ELLE
Design: Klaus Liese

1997

PULL-IT I
Design: Ralf Keferstein



GLANCE



GATSBY FINE



CHECK-IN

iF Product Design Award



2014

2014

GLANCE luminaire family
Design: Ottenwälder & Ottenwälder

2008

BOSS
Design: Ralf Keferstein

2004

CHECK-IN track system
Design: Ralf Keferstein

1998

PULL-IT I
Design: Ralf Keferstein

Luminaire of the Year



2014

3rd place GLANCE luminaire family
Design: Ottenwälder & Ottenwälder

2013

3rd place IXO
Design: Christoph Niedeggen

2011

2nd place TRINITY
Design: EsserKnop Industriedesigner

2009

1st place GRACE UNLIMITED
Design: Ralf Keferstein

2006

2nd place BEL-AIR light object
Design: M. Kleinhenn, R. Keferstein

2003

1st place KRISTINA D light object.
Design: Antonius Quodt

Focus Open Design Award



Focus Open 2014
Silver

2014

GLANCE luminaire family
Design: Ottenwälder & Ottenwälder

Plus X Award



2012

TOUCHLESS
GESTURE CONTROL

CHEEK
CHEEK 2 CHEEK
GRACE
DECENT
DECENT MAX
GLANCE
TROFEO
LIGHT BOOK PENDANT LUMINAIRE
PALÃO

SMART.LIVING

NEW PRODUCTS 2016 | 2017

The SMART.POINT and SMART.TRACK LED systems use the minimalism of LED technology and combine the smallest possible dimensions with the greatest possible flexibility and light quality. The SMART.TRACK and SMART.POINT systems are a central part of OLIGO Smart.Living – a concept of innovative lighting solutions for digital lighting control.



SMART.LIVING

It has never been easier to control the light

With the smallest cable cross sections and minimalistic design, the new systems from OLIGO set a new standard in LED system technology and feature a wide variety of highlights: brilliant light output, a versatile spotlight range and the option of individual control via smart devices.

Regardless of whether its wireless or wired: with the newly developed SMART.IQ system components, OLIGO offers interfaces for the key standards in digital lighting control.

In order to allow private users and commercial customers the broadest possible field of application in combination with other smart home compatible luminaires and appliances, OLIGO relies on strong partners in building automation and offers the SMART.IQ adapter in two common wireless solutions.

The adapter supports the wireless solution from the Finnish manufacturer Casambi or the common HomeMatic home control system from the German manufacturer eQ3.

This development of the LED system range results in a diverse range of applications for LED system luminaires. They can be used in private living space as well as in office and business areas.

More about SMART.IQ from page 44.



PHASE

Extension of the DALI components range

DALI, short for Digital Addressable Lighting Interface, is a cross-manufacturer standard for lighting control in buildings. As a digital alternative to the standard 1 – 10 V technology, it offers a variety of intelligent functions for increasing convenience, but is also simple and cost-effective to install. This is because, for example, a completely normal 5-core NYM cable, such as is often already present in existing electrical installations, can be used both for the power supply and for the bus wiring.

OLIGO has radically expanded its offering of DALI-compatible system components on a 230 volt basis.

More about DALI-compatible system components from page 195.



WALKER / NEWTON

Bright 24 volt LED reflector spotlight for modern shopping worlds

Individual staging and energy efficiency are the current factors for success in shop fitting and property. OLIGO has expanded its system luminaire portfolio on a 24 volt basis with the attractively designed WALKER and NEWTON LED reflector spotlights.

With a luminous flux of 2000 lumen and a three-pole pin for digital lighting control, the spotlights are perfectly suited for creative lighting concepts in shop fitting and offices. The luminaires can be controlled both wirelessly and with cables.

Alongside adaptation to a 24 volt LED system, connection to three-phase 230 volt track systems and the SHOP recessed system is also possible using a separate system adapter.

WALKER and NEWTON are thus perfectly suited for retrofitting existing lighting systems equipped with conventional lighting technology in retail and business.

More about WALKER from page 48.
More about NEWTON from page 51.

DECENT

LED luminaire can now be adapted in a 24 volt system

The graceful DECENT pendant luminaire is now available with a three-pole pin for adaptation to the SMART.TRACK and SMART.POINT 24 volt LED systems as well as to the PHASE and SHOP systems.

Thanks to this technical adjustment, it has been possible to noticeably optimise the luminous flux and efficiency of the luminaire. The luminous flux of 750 lumen can be conveniently regulated using the newly integrated gesture control, or controlled through a smartphone or tablet in combination with SMART.IQ components.

More about DECENT from page 73.



SMART.TRACK

PERFECT LIGHTING, COMPACT DESIGN.

The simplest mechanical design, smallest possible cross section, high quality and at the same time minimalist design – these are just a few of the outstanding features of the SMART.TRACK 24 volt LED track system.

With a newly developed range, consisting of spotlights, pendant luminaires and room lights, it offers both elegance and light quality of the highest technical level at the same time.

All luminaires are equipped with the tried and tested plug technology. As a result, the luminaires can be used both in the

SMART.TRACK 24 volt LED track system and in the SMART.POINT 24 volt LED spot system. Different light colours and homogeneous light distribution make the desired individual room atmosphere possible.

The luminaires can be integrated into the common Casambi and HomeMatic smart home systems using SMART.IQ wireless components for digital lighting control.

Design: OLIGO

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System luminaires	48
Luminaire adapters	81
SMART.IQ wireless components for Casambi and HomeMatic	82
System components	76



AVIATION

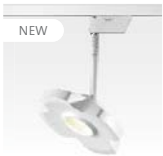
SMART.TRACK

LUMINAIRE OVERVIEW

Low voltage LED track system

LED LUMINAIRES

Spotlights



WALKER
Page 48



NEWTON
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SENTRY
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AVIATION PRO
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AVIATION
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RIDGE MAX
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RIDGE
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A LITTLE BIT MORE
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A LITTLE BIT
Page 63



HUBBLE
Page 65



KELVEEN
Page 67

Ambient lights

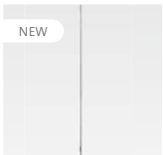


41 DEGREES
Page 69



FLAVIA
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Pendant luminaires



DECENT
Page 73



A LITTLE BIT
Page 74



BOURBON
Page 75

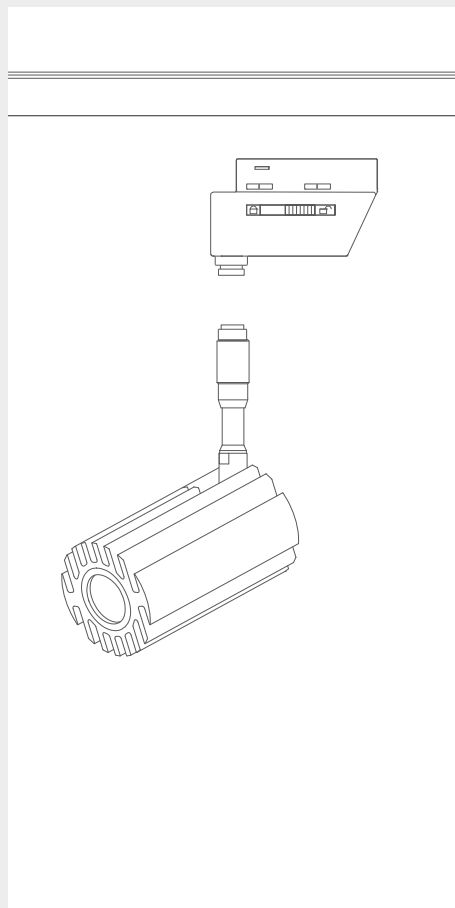
SMART.TRACK

INSTALL AND ADAPT EASILY

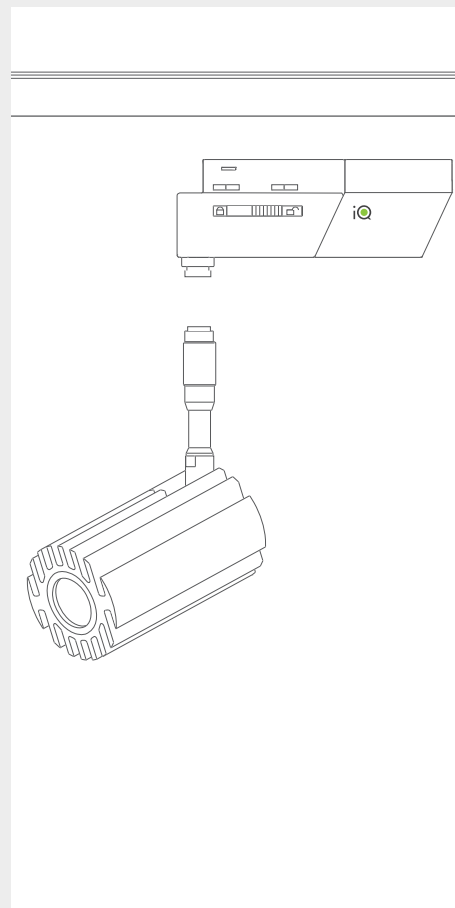
ADVANTAGES AT A GLANCE

- Particularly compact track format: just 17 x 17 mm
- Tracks available in lengths of 500 mm and 1500 mm
- Large systems can be implemented with few connection points
- Wide variety of installation options: ceiling mounting, flush to the ceiling, with supports, on beams
- Wide variety of connector options: I, L, T, X and flex connectors
- Tool-free installation of the track in supports and suspensions
- Tool-free installation of adapters and luminaires
- Live parts with anti-twist protection

ADAPTER



ADAPTER with **SMART.IQ** WIRELESS ADAPTER



INSTALL EASILY AND SAFELY

24 V SMART.POINT spotlights, ambient lights and pendant luminaires are connected quickly and conveniently to the track system using the extremely small adapter. Installation does not require tools. The subtle slider locks the adapter securely to the track and can be released again at any time.

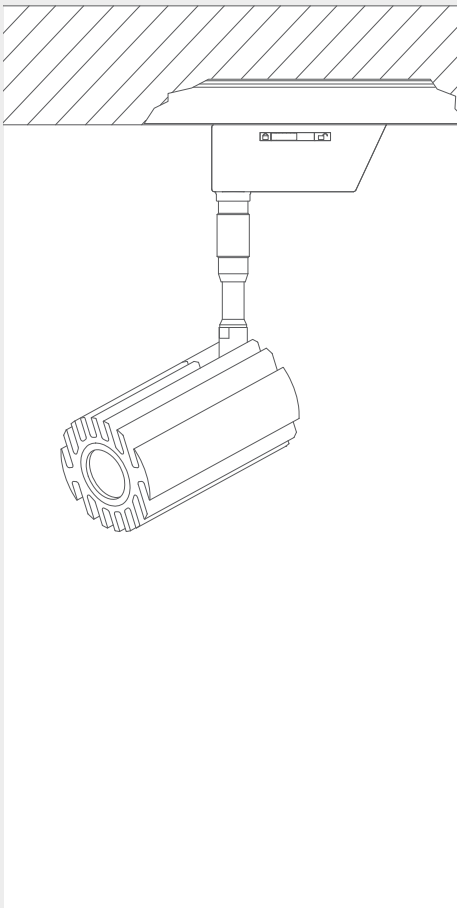
Integrated anti-twist protection in the live components ensures easy and safe installation.

WIRELESS ADAPTER FOR LIGHTING CONTROL

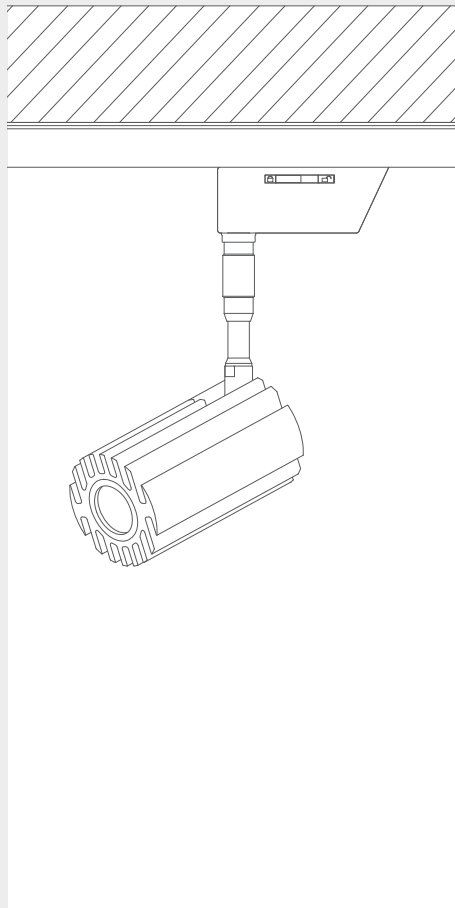
The SMART.IQ wireless adapter, which is easy to integrate retroactively, brings intelligence into play. In the blink of an eye, the SMART.TRACK 24 volt LED track system is transformed into a smart home solution.

The SMART.IQ adapter is simply plugged into the regular luminaire adapter. During commissioning of the system, the spotlight is coupled with the mobile device and establishes a wireless connection.

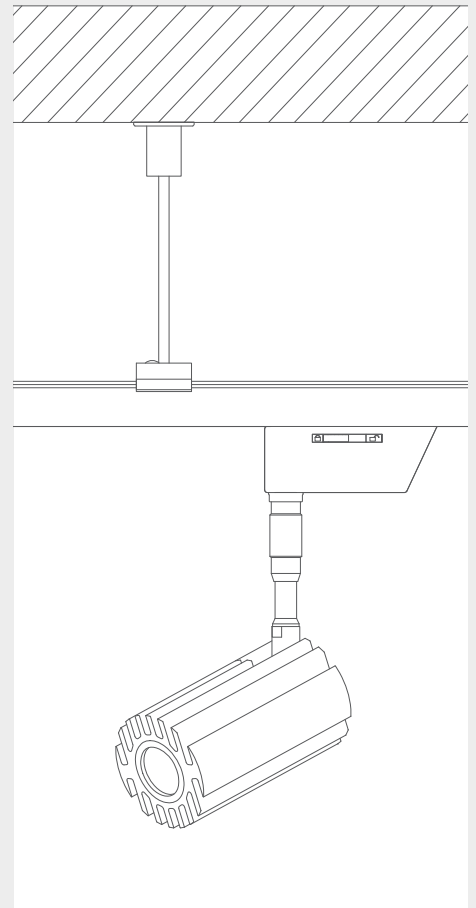
INSTALLATION recessed in the ceiling



INSTALLATION flush with the ceiling



INSTALLATION with supports



FLEXIBLE INSTALLATION OPTIONS

There are a variety of types of installation to choose from for the SMART.TRACK track system. The tracks can be installation recessed into the ceiling, flush with the ceiling, or with supports.

Wall installation offers another variant. The system is also suitable for installation on beams and joists.

INDIVIDUAL TRACK CONFIGURATIONS

A variety of connection elements such as T and X connectors, for example, allow individual track configurations to be designed. The track elements can be connected with one another almost invisibly using internal track couplings designed in-house.

Thanks to the intelligent design of supports and components, installation can also be done largely without any tools.

PLACE TRACK SUPPORTS ANYWHERE YOU WANT

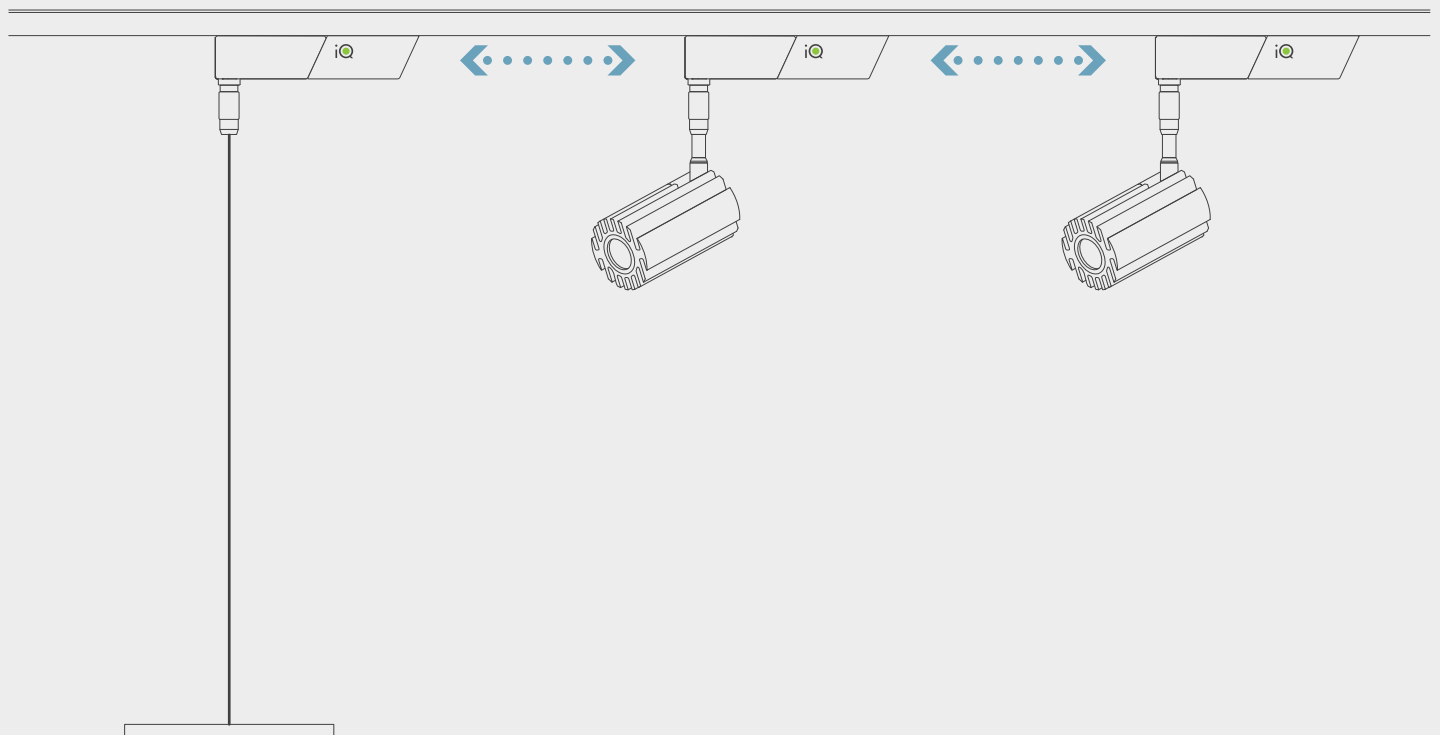
Structural conditions often determine what points on the ceiling a track support can be attached to. The internal track connectors allow for more planning and installation freedom. Regardless of the location of the connector, the points for attachment to the ceiling can be freely determined.



SMART.IQ

DIGITAL LIGHTING CONTROL VIA WIRELESS COMPONENTS

Intelligent solutions for renovation and new builds are more in demand than ever. Particularly when it comes to switching and dimming the lights conveniently. SMART.IQ from OLIGO offers the best conditions for this. Alongside a wide variety of applications, it impresses with simple operation and maximum flexibility.



CASAMBI
HomeMatic

EASY RETROFITTING FOR SMART LIGHT

24 volt LED system luminaires can be integrated into a wireless network using SMART.IQ wireless components and can thus be digitally switched and dimmed.

The user is free to choose whether, at what point in time and to what extent the lighting is integrated into the building automation system. There is a choice between the Bluetooth-based app from Casambi or the wireless-based HomeMatic home control system from the German manufacturer eQ-3 here.

ALWAYS A SECURE CONNECTION

Reliably functioning is the be all and end all of a wireless solution which is safe to use. Both the Casambi application and the HomeMatic application work using bi-directional wireless protocols.

The wireless signal is not just sent from one side, the system is constantly checking whether the receiver has received the wireless signal.

SMART.IQ

in combination with the Casambi wireless solution

SIMPLY CLEVER

Casambi is a free software for the mobile control of single luminaires and lighting systems.

It is characterised by:

- easy integration
- simply technical design
- wireless installation, and
- intuitive control via smartphone or tablet

Even existing lighting units and conventional light switches can be integrated into the mobile lighting control system using a switch module which can be retrofitted. Casambi is therefore particularly suitable for retrofitting in existing buildings.

Thanks to a maximum distance of 50 metres between the modules or the mobile device used as a control, even bigger projects can be realised.

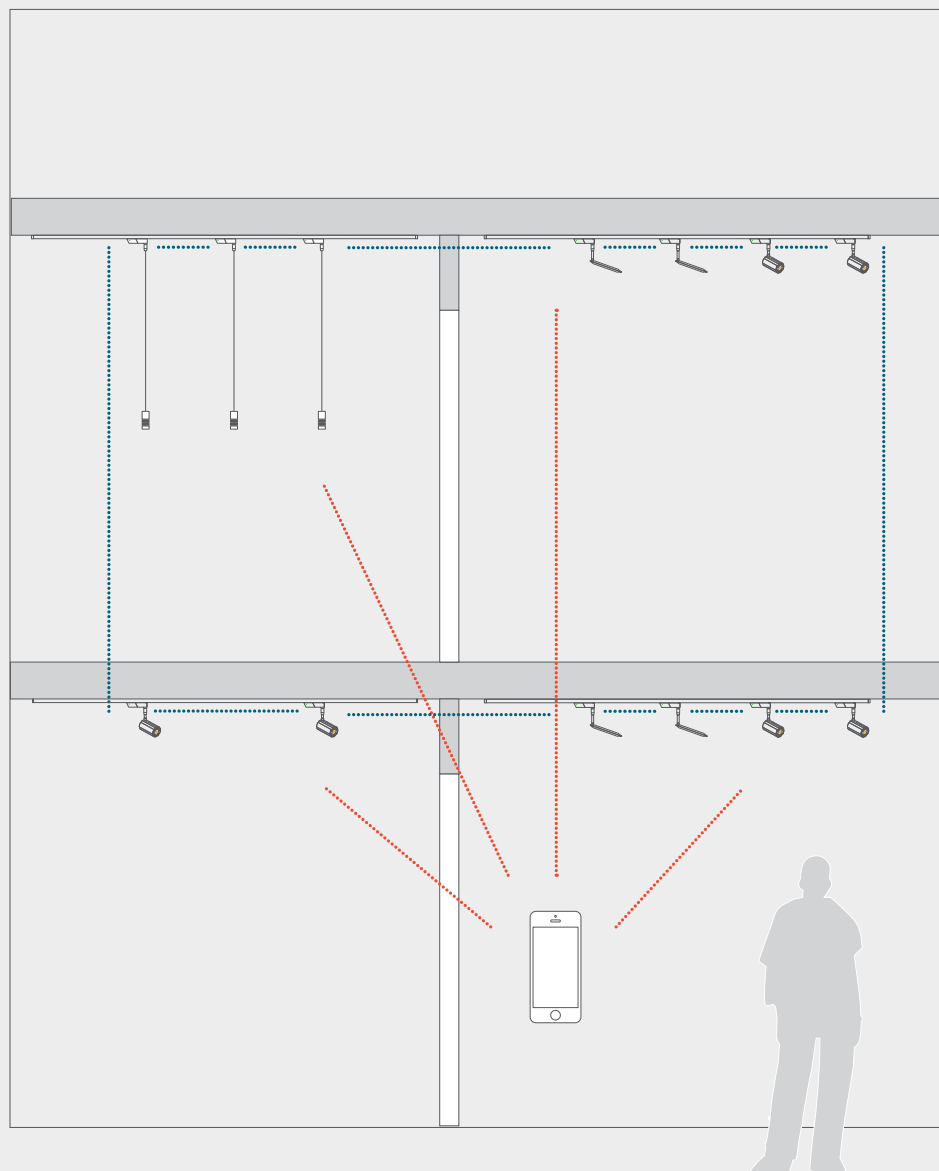
PROVEN TIME AND AGAIN

The software is used by more than 120 companies in the lighting industry and is compatible with products in the Philips Hue range, among others.

It therefore offers end users a convenient, cross-manufacturer lighting control system with just one app.

Detailed information about Casambi can be found at

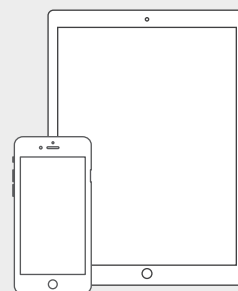
➞ www.casambi.com



Devices
for lighting control



Wireless button /
remote control



Mobile devices

SMART.IQ

in combination with the HomeMatic home control system

SMART HOME VIA WIRELESS

HomeMatic is a cross-system smart home system for wireless intelligent building control. It is available for retrofitting in the home as well as for new builds.

The various connected devices such as blinds and heating, access control, security alarm and weather sensors can be conveniently controlled using a smartphone or tablet, via a built-in centre, by remote control or using the PC software.

The HomeMatic wireless protocol is based on the 868 MHz frequency range. It offers excellent wireless range and has no interference from WiFi or Bluetooth. The wireless signal is secured against external tampering using the AES-128 security technology.

AT HOME AND OUT AND ABOUT

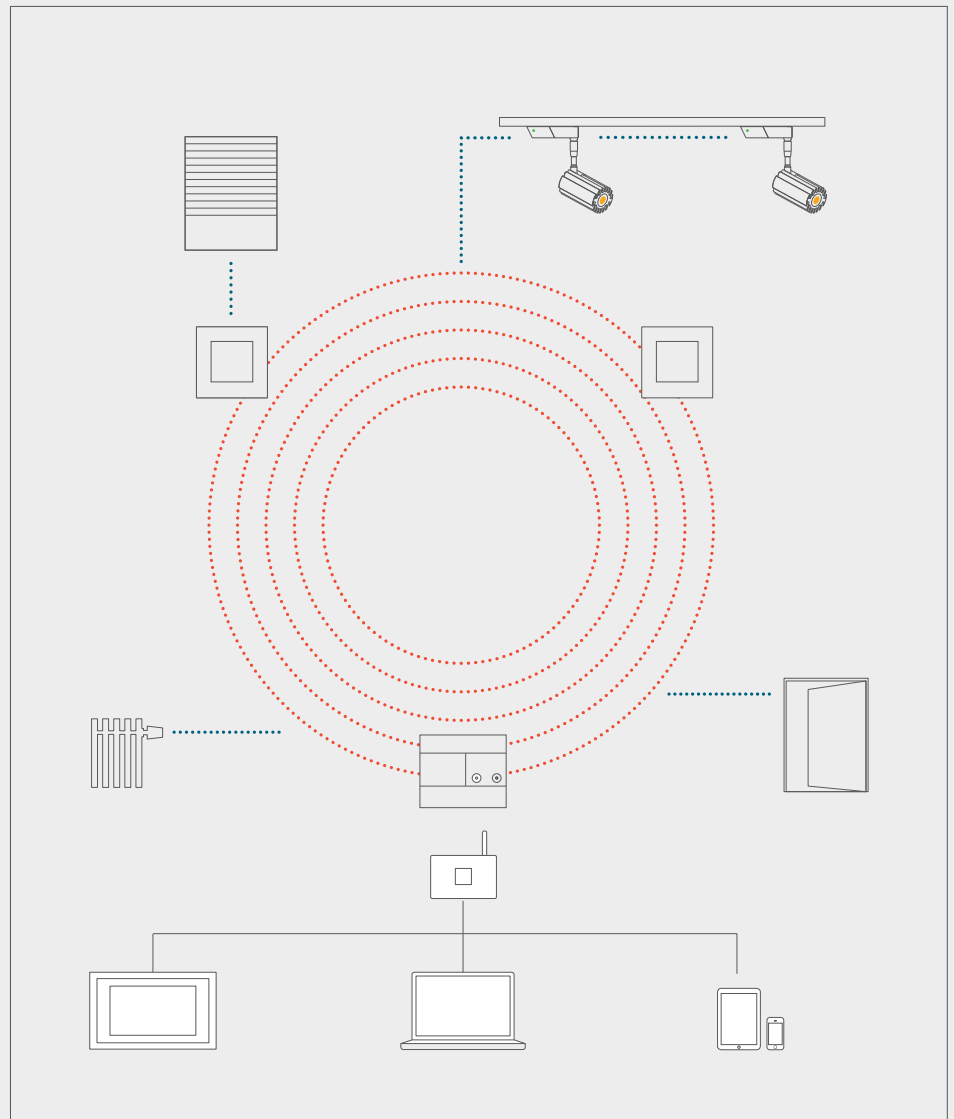
The HomeMatic user interface can be set up using a web browser-based interface and can be controlled both in the local network and over the Internet.

ONE STANDARD, MANY PARTNERS

Thanks to its open interfaces, the system allows for the development of partner solutions in the field of hardware and software. These include, among other things, apps and Cloud services for control via smartphone and tablets which are offered directly by the partners.

Detailed information about HomeMatic can be found at

➞ www.homematic.com



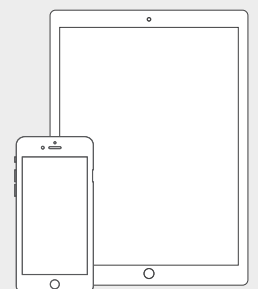
Devices
for lighting control



Wireless button



Remote control



Mobile devices

WALKER

The bright WALKER reflector spotlight convinces with a luminous flux of 2,000 lumen and, thanks to the three-pole pin, is suitable for digital lighting control systems. With two light distribution characteristics and modern design, WALKER puts the topic of luminaire design in a contemporary context and is perfectly suited for designing creative shop fitting and office concepts.

Design: Böhler Design



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

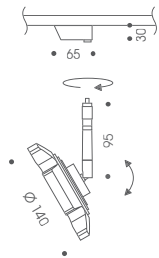
Output data
24 V DC / LED / 3000 or 4000 K / 2000 lm / 17.8 W / 25° or 45° / CRI >80
Energy efficiency class: A+

Material
Aluminium

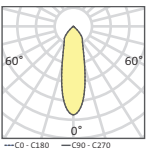
Weight
0.7 kg

TECHNICAL INFORMATION

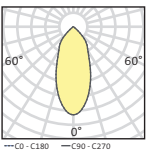
Order adapters separately



Light distribution



25°			
h (m)	Ø (m)	Lux	
1	0.54	3787	
2	1.10	947	
3	1.60	421	

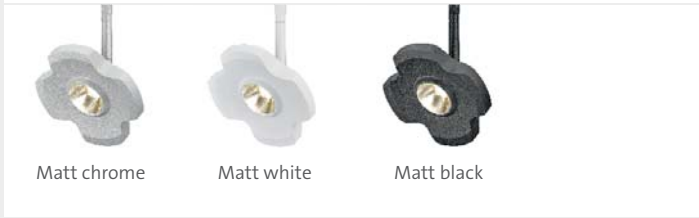


45°			
h (m)	Ø (m)	Lux	
1	0.83	2514	
2	1.70	628	
3	2.50	279	

LED
INTEGRIERT



COLOURS



PRODUCT
3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-862-12-06 *
					Matt white	20-862-12-21 *
					Matt black	20-862-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-862-13-06 *
					Matt white	20-862-13-21 *
					Matt black	20-862-13-23 *

Adapters: Page 81

* New in the range

PRODUCT
4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-862-16-06 *
					Matt white	20-862-16-21 *
					Matt black	20-862-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-862-17-06 *
					Matt white	20-862-17-21 *
					Matt black	20-862-17-23 *

Adapters: Page 81

* New in the range



NEWTON

NEWTON

With a 2,000 lumen luminous flux at a power consumption of 17.8 watts, NEWTON offers a bright, efficient lighting solution for product presentation. The high performance reflector, coordinated in-house with the LED light source shields the spotlight and at the same time defines the softly sketched light scene. The rotatable and swivelling spotlight, with light distribution characteristics of 25° and 45° and light colours of 3,000 k and 4,000 k, allows for a multitude of options for the modulation of presentation areas.

Design: Böhler Design

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with SMART.IQ
components for integration into
building automation systems:
Page 82

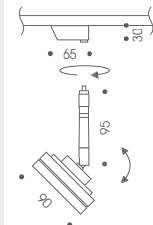
Output data
24 V DC / LED / 3000 or 4000 K /
2000 lm / 17.8 W / 25° or 45° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

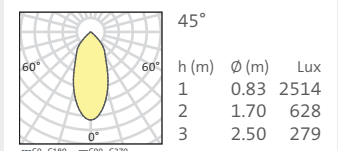
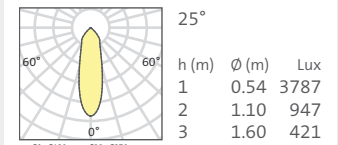
Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT

3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-860-12-06 *
					Matt white	20-860-12-21 *
					Matt black	20-860-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-860-13-06 *
					Matt white	20-860-13-21 *
					Matt black	20-860-13-23 *

Adapters: Page 81

* New in the range

PRODUCT

4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-860-16-06 *
					Matt white	20-860-16-21 *
					Matt black	20-860-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-860-17-06 *
					Matt white	20-860-17-21 *
					Matt black	20-860-17-23 *

Adapters: Page 81

* New in the range



SENTRY

SENTRY

The SENTRY LED spotlight presents itself with a slim, cylindrical shape. The luminaire body has a luminous flux of 1,150 lumen and can be directed as desired using a joint which tilts and swivels. The high performance reflector provides a homogeneous light mix across the entire spectrum and ensures the true colour rendering of the illuminated objects. With its timeless design, the spotlight is perfectly suited to use in modern shopping worlds and exhibitions.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

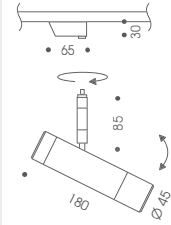
Output data
24 V DC / LED / 3500 or 4000 K /
1150 lm / 13.9 W / 26° or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

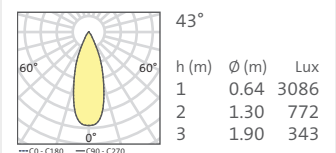
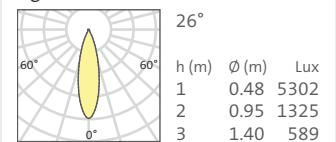
Weight
0.7 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT

3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	3500	13.9	26°	Matt chrome	20-867-12-06
					Matt white	20-867-12-21
					Matt black	20-867-12-23
LED	1150	3500	13.9	43°	Matt chrome	20-867-13-06
					Matt white	20-867-13-21
					Matt black	20-867-13-23

Adapters: Page 81

PRODUCT

4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	4000	13.9	26°	Matt chrome	20-867-14-06
					Matt white	20-867-14-21
					Matt black	20-867-14-23
LED	1150	4000	13.9	43°	Matt chrome	20-867-15-06
					Matt white	20-867-15-21
					Matt black	20-867-15-23

Adapters: Page 81

AVIATION PRO

AVIATION PRO recognisably leans on aeronautics in the design. With a luminous flux of up to 1350 lumen and a brilliant light scene, the LED spotlight is recommended for professional use in property. Two rod lengths and light characteristics allow for a wide variety of

planning options. AVIATION PRO impresses with energy efficiency and outstanding thermal management.
Design: Böhler Design



AVIATION PRO

PRODUCT

155 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-14-06
					Matt white	20-875-14-21
					Matt black	20-875-14-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-15-06
					Matt white	20-875-15-21
					Matt black	20-875-15-23

Adapters: Page 81

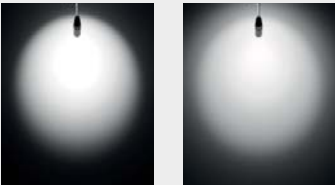
PRODUCT

230 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-24-06
					Matt white	20-875-24-21
					Matt black	20-875-24-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-25-06
					Matt white	20-875-25-21
					Matt black	20-875-25-23

Adapters: Page 81

LED
INTEGRIERT



FEATURES

- Spotlight
Rotatable / swivelling
155 or 230 mm rod
- Lighting control and dimming
Compatible with SMART.IQ
components for integration into
building automation systems:
Page 82
- Output data
24 V / LED / 3500 or 4000 K / 1350
or 1300 lm / 12.8 W /
26° or 43° / CRI >80
Energy efficiency class: A+
- Material
Aluminium
- Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately

Light distribution

h (m)	Ø (m)	Lux
1	0.48	5302
2	0.95	1325
3	1.40	589

26°

h (m)	Ø (m)	Lux
1	0.64	3086
2	1.30	772
3	1.90	343

43°

COLOURS



PRODUCT						
155 mm / 4000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	4000	13.9	26°	Matt chrome	20-875-16-06
					Matt white	20-875-16-21
					Matt black	20-875-16-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-17-06
					Matt white	20-875-17-21
					Matt black	20-875-17-23
Adapters: Page 81						

PRODUCT						
230 mm / 4000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	4000	13.9	26°	Matt chrome	20-875-26-06
					Matt white	20-875-26-21
					Matt black	20-875-26-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-27-06
					Matt white	20-875-27-21
					Matt black	20-875-27-23
Adapters: Page 81						

AVIATION

The AVIATION LED spotlight is more delicate but just as elegant. With a luminous flux of 700 lumen, it is particularly suitable for use in private living areas. The high performance reflector is determined in-house for the particularly balanced light scene.

There are two rod lengths and light distribution characteristics to choose from for detailed lighting planning

Design: Böhler Design



AVIATION

PRODUCT

155 mm / 3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-10-06
					Matt white	20-875-10-21
					Matt black	20-875-10-23
LED	700	3000	8.4	41°	Matt chrome	20-875-11-06
					Matt white	20-875-11-21
					Matt black	20-875-11-23

Adapters: Page 81

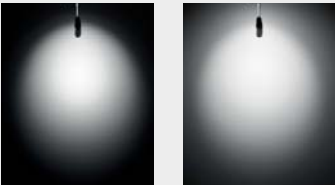
PRODUCT

230 mm / 3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-20-06
					Matt white	20-875-20-21
					Matt black	20-875-20-23
LED	700	3000	8.4	41°	Matt chrome	20-875-21-06
					Matt white	20-875-21-21
					Matt black	20-875-21-23

Adapters: Page 81

LED
INTEGRIERT



FEATURES

- Spotlight
Rotatable / swivelling
155 or 230 mm rod
- Lighting control and dimming
Compatible with SMART.IQ
components for integration into
building automation systems:
Page 82
- Output data
24 V DC / LED / 3000 or 3500 K /
700 lm / 8.4 W / 23° or 41° /
CRI >80
Energy efficiency class: A+
- Material
Aluminium
- Weight
0.5 kg

TECHNICAL INFORMATION

Order adapters separately

Light distribution

23°

h (m)	Ø (m)	Lux
1	0.51	2206
2	1.02	551
3	1.53	245

41°

h (m)	Ø (m)	Lux
1	0.77	1198
2	1.54	300
3	2.30	133

COLOURS



PRODUCT
155 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3500	8.4	23°	Matt chrome	20-875-12-06
					Matt white	20-875-12-21
					Matt black	20-875-12-23
LED	700	3500	8.4	41°	Matt chrome	20-875-13-06
					Matt white	20-875-13-21
					Matt black	20-875-13-23

Adapters: Page 81

PRODUCT
230 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3500	8.4	23°	Matt chrome	20-875-22-06
					Matt white	20-875-22-21
					Matt black	20-875-22-23
LED	700	3500	8.4	41°	Matt chrome	20-875-23-06
					Matt white	20-875-23-21
					Matt black	20-875-23-23

Adapters: Page 81



RIDGE MAX

RIDGE MAX

A distinctive heat sink with cooling ribs around the circumference characterises the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light colours and light distribution characteristics available to choose from for lighting planning.

Design: OLIGO



LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with SMART.IQ
components for integration into
building automation systems:
Page 82

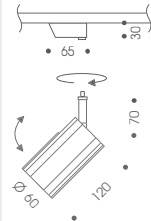
Output data
24 V DC / LED / 3500 or 4000 K /
1200 lm / 13.9 W / 26° or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

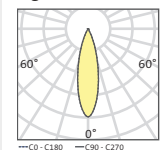
Weight
0.5 kg

TECHNICAL INFORMATION

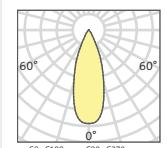
Order adapters separately



Light distribution



h (m)	Ø (m)	Lux
1	0.48	5302
2	0.95	1325
3	1.40	589



h (m)	Ø (m)	Lux
1	0.64	3086
2	1.30	772
3	1.90	343

COLOURS



Matt chrome /
Matt chrome



Matt white /
Matt white



Chrome /
Matt black

PRODUCT

3500 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-11-06
				Chrome	Matt white	20-881-10-21
				Matt white	Matt white	20-881-12-21
				Chrome	Matt black	20-881-10-23
				Matt black	Matt black	20-881-13-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-31-06
				Chrome	Matt white	20-881-30-21
				Matt white	Matt white	20-881-32-21
				Chrome	Matt black	20-881-30-23
				Matt black	Matt black	20-881-33-23

Adapters: Page 81

PRODUCT

4000 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-21-06
				Chrome	Matt white	20-881-20-21
				Matt white	Matt white	20-881-22-21
				Chrome	Matt black	20-881-20-23
				Matt black	Matt black	20-881-23-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-41-06
				Chrome	Matt white	20-881-40-21
				Matt white	Matt white	20-881-42-21
				Chrome	Matt black	20-881-40-23
				Matt black	Matt black	20-881-43-23

Adapters: Page 81



RIDGE

RIDGE

The RIDGE LED spotlight is a little more delicate than its big brother. Here too, the distinctive cooling fins characterise the unmistakeable design. The high quality luminaire head made from aluminium has the same rotating and tilting functionality. With a luminous flux of 550 lumen, RIDGE is ideal for universal use in private living spaces, for example in studies, hallways or modern living and dining rooms. For the RIDGE spotlight too, the matt black and matt chrome surfaces are refined with an intricate grinding pattern.

Design: OLIGO



LED
INTEGRIERT

FEATURES

- Spotlight**
Rotatable / swivelling
High performance reflector
- Lighting control and dimming**
Compatible with SMART.IQ
components for integration into
building automation systems:
Page 82
- Output data**
24 V DC / LED / 3000 K / 550 lm /
8 W / 41° / CRI >80
Energy efficiency class: A+
- Material**
Aluminium
- Weight**
0.2 kg

TECHNICAL INFORMATION

Order adapters separately

Light distribution

h (m)	Ø (m)	Lux
1	0.85	708
2	1.71	177
3	2.56	79

---C0 - C180 ---C90 - C270

COLOURS



PRODUCT

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Matt chrome	Matt chrome	20-889-12-06
				Matt white	Matt white	20-889-10-21
				Chrome	Matt white	20-889-11-21
				Matt chrome	Matt white	20-889-12-21
				Chrome	Matt black	20-889-11-23

Adapters: Page 81

A LITTLE BIT MORE

The A LITTLE BIT MORE LED spotlight offers outstanding lighting technology with individually definable light distribution characteristics. With a luminous flux of 1,100 and 3,500 or 4,000 kelvin, the spotlight is intended for use in shops and property. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass lens. For harmonious light distribution, the high quality lens body is finished separately with a micro texture on the inside.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 60°


Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

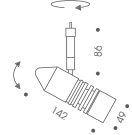
Output data
24 V DC / LED / 3500 or 4000 K / 1100 lm / 11 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

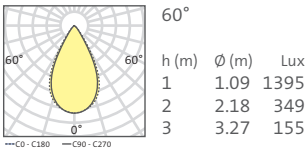
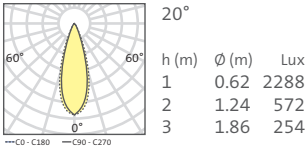
Weight
0.6 kg

TECHNICAL INFORMATION

 Order adapters separately



Light distribution



COLOURS



PRODUCT 3500 K

Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-10-05
			Matt chrome	Matt chrome	20-882-11-06
			Chrome	Matt white	20-882-10-21
			Matt white	Matt white	20-882-12-21
			Chrome	Matt black	20-882-10-23
			Matt black	Matt black	20-882-13-23

Adapters: Page 81

PRODUCT 4000 K

Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-30-05
			Matt chrome	Matt chrome	20-882-31-06
			Chrome	Matt white	20-882-30-21
			Matt white	Matt white	20-882-32-21
			Chrome	Matt black	20-882-30-23
			Matt black	Matt black	20-882-33-23

Adapters: Page 81

A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology. The width of the cone of light can be continuously adjusted between 20° and 60°. Different rod lengths allow for different distances from the ceiling. A system pendant luminaire matching this spotlight design is also available.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
60 or 140 mm rod
Beam angle continuously adjustable between 20° and 60°

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

Output data
24 V DC / LED / 3000 K / 550 lm / 8 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

Weight
0.3 kg

TECHNICAL INFORMATION

Light distribution

h (m)	Ø (m)	Lux
1	0.39	1667
2	0.78	417
3	1.17	185

---C0 - C180 ---C90 - C270

h (m)	Ø (m)	Lux
1	1.36	468
2	2.72	117
3	4.08	52

---C0 - C180 ---C90 - C270

COLOURS AND VARIANTS

Chrome / 60 mm Matt chrome / 60 mm Chrome / 140 mm Matt chrome / 140 mm

PRODUCT						
60 mm rod						
Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-22-05
				Matt chrome	Matt chrome	20-898-22-06
Adapters: Page 81						

PRODUCT						
140 mm rod						
Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-32-05
				Matt chrome	Matt chrome	20-898-32-06
Adapters: Page 81						



HUBBLE

HUBBLE

The HUBBLE LED spotlight is a suitable inspiration if high quality materials and an elegant appearance are required. The rotatable and swivelling spotlight can also be aligned as a downlight in a harmonious extension of its blade. The beam angle can be set as desired between 20° and 50° thanks to the manually adjustable focus. HUBBLE is available with light colours of 3,000 or 3,500 kelvin and is suitable for use in living space and property.

Design: Böhler Design

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 50°

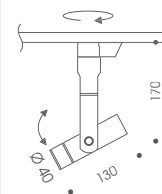
Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

Output data
24 V DC / LED / 3000 or 3500 K / 700 lm / 10.5 W / 20° – 50° / CRI >80
Energy efficiency class: A

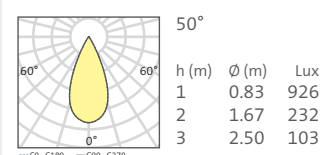
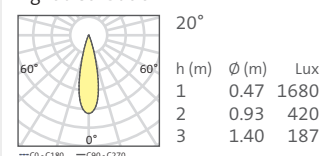
Material
Aluminium

Weight
0.8 kg

TECHNICAL INFORMATION



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT

3000 K

Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	22-872-11-06
			Matt white	22-872-11-21
			Matt black	22-872-11-23

Integrated track adapter.

PRODUCT

3500 K

Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	22-872-12-06
			Matt white	22-872-12-21
			Matt black	22-872-12-23

Integrated track adapter.



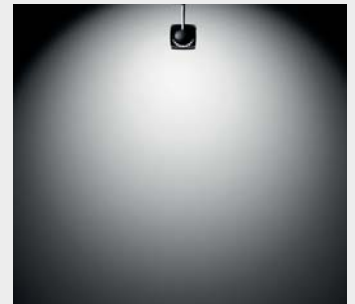
ACCESSORIES		
Dichroic filter		
Size (mm)	Colour	Item number
Ø 50	Red	62-222-10-24
	Yellow	62-222-10-33
	Green	62-222-10-35
	Blue	62-222-10-37
	Magenta	62-222-10-46

KELVEEN

A striking feature of KELVEEN is the high quality glass lens which is available with two beam angles as a spotlight (40°) or floodlight (90°). In combination with the freely movable luminaire head, KELVEEN can be individually adjusted to suit the actual lighting requirements. The lighting effect can be creatively expanded using dichroic filters which can be inserted.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

Output data
24 V DC / LED / 3000 or 3500 K /
1150 lm / 12.5 W / 40° or 90° /
CRI >80
Energy efficiency class: A+

Material
Thermoplastic, aluminium, glass

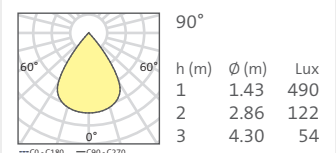
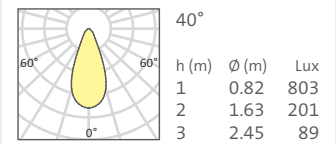
Weight
0.4 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome

Matt white

Matt black

PRODUCT 3000 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-10-06
				Matt white	20-869-10-21
				Matt black	20-869-10-23
LED	1150	12.5	90°	Matt chrome	20-869-11-06
				Matt white	20-869-11-21
				Matt black	20-869-11-23

Adapters: Page 81

PRODUCT 3500 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-12-06
				Matt white	20-869-12-21
				Matt black	20-869-12-23
LED	1150	12.5	90°	Matt chrome	20-869-13-06
				Matt white	20-869-13-21
				Matt black	20-869-13-23

Adapters: Page 81



41 DEGREES

41 DEGREES

41 DEGREES is an extraordinary room light which redefines the design of light sources for extensive room lighting. It stands out with its clear, geometric shape. The flat luminaire body rests weightlessly as a concentric circular ring in the room. Its soft, warm white silhouette from the inner surface of the ring disseminates a pleasantly cosy lighting mood.

Design: Ottenwälder und Ottenwälder

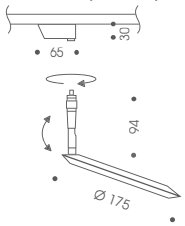
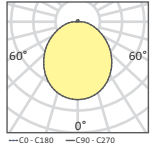





PRODUCT				
2700 K				
Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-10-06
			Matt white	20-871-10-21
			Matt black	20-871-10-23
Adapters: Page 81				

LED
INTEGRIERT



FEATURES
Ambient light Rotatable / swivelling
Lighting control and dimming Compatible with SMART.IQ components for integration into building automation systems: Page 82
Output data 24 V DC / LED / 2700 or 3000 K / 600 lm / 11 W / CRI >80 Energy efficiency class: A
Material Aluminium
Weight 0.3 kg

TECHNICAL INFORMATION
Order adapters separately 
Light distribution 

COLOURS		
		
Matt chrome	Matt white	Matt black

PRODUCT				
3000 K				
Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-11-06
			Matt white	20-871-11-21
			Matt black	20-871-11-23
Adapters: Page 81				

FLAVIA

Like a suspended work of art made of light, FLAVIA magically draws the eye. Thanks to the optionally open or closed prismatic lens, the actual light source remains invisible and the result is the impression of a glowing forest of leaves. With varying light colours of 2,700 and 3,000 kelvin, the delicate FLAVIA can be used both in private living space and in property.

Design: Ottenwälder und Ottenwälder

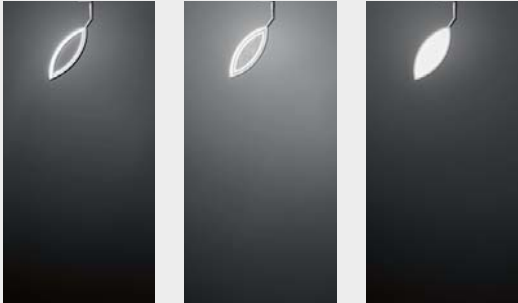


PRODUCT					
Open prismatic lens					
Type	lm	W	K	Body colour	Item number
LED	150	4.8	2700	Matt chrome	20-870-10-06
				Matt white	20-870-10-21
				Matt black	20-870-10-23
LED	150	4.8	3000	Matt chrome	20-870-12-06
				Matt white	20-870-12-21
				Matt black	20-870-12-23
Adapters: Page 81					

PRODUCT					
Closed prismatic lens					
Type	lm	W	K	Body colour	Item number
LED	200	4.8	2700	Matt chrome	20-870-11-06
				Matt white	20-870-11-21
				Matt black	20-870-11-23
LED	200	4.8	3000	Matt chrome	20-870-13-06
				Matt white	20-870-13-21
				Matt black	20-870-13-23
Adapters: Page 81					



LED
INTEGRIERT



FEATURES

Ambient light
Rotatable / swivelling

Lighting control and dimming
Non-dimmable

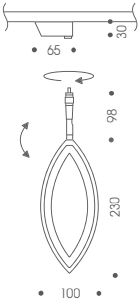
Output data
24 V DC / LED / 2700 or 3000 K /
100-200 lm / 4.8 W / CRI >80
Energy efficiency class: A

Material
Aluminium

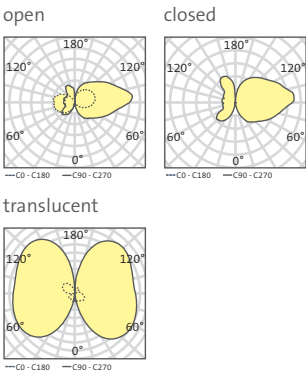
Weight
0.2 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



PRODUCT
Translucent prismatic lens

Type	lm	W	K	Body colour	Item number
LED	100	4.8	2700	Matt chrome	20-870-18-06
				Matt white	20-870-18-21
				Matt black	20-870-18-23
LED	100	4.8	3000	Matt chrome	20-870-19-06
				Matt white	20-870-19-21
				Matt black	20-870-19-23

Adapters: Page 81

COLOURS





DECENT

DECENT

DECENT is a flat, subtle LED pendant luminaire in the form of a disc. The evenly flat light radiating downwards is perfectly suited to lighting dining tables or counters. DECENT is controlled touchlessly. A memory function stores the last brightness value selected.

If the luminaire is integrated into a SMART.IQ or DALI application then the digital lighting control replaces the individual lighting control via gesture.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

Touchless control
Memory function: Last light brightness value used is saved

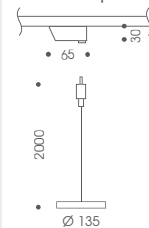
Output data
24 V DC / LED / 2700 K / 750 lm / 8.7 W / CRI >80
Energy efficiency class: A+

Material
Metal, acrylic glass

Weight
0.5 kg

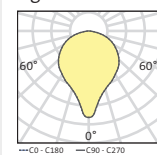
TECHNICAL INFORMATION

Order adapters separately



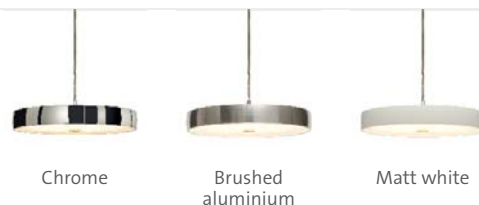
Special length
Suspension cable up to 5 m available upon request.

Light distribution



h (m)	Ø (m)	Lux
1	2.00	353
2	3.90	88
3	5.90	39

COLOURS



PRODUCT

Type	lm	K	W	Head colour	Item number
LED	750	2700	8.7	Chrome	G20-885-10-05 *
				Brushed aluminium	G20-885-10-12 *
				Matt white	G20-885-10-21 *

Adapters: Page 81

* New in the range



A LITTLE BIT

The A LITTLE BIT pendant luminaire offers a highly flexible lighting solution. The elegant luminaire head made from aluminium integrates a lens which can be focused between 20° and 60°. Elegant surfaces made from polished or matt aluminium round out the luminaire profile of A LITTLE BIT. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside. The pendant luminaire design is also available as a spot-light for track installation.

Design: OLIGO



COLOURS



ChromeMatt chrome



FEATURES

- Pendant luminaire
Please enter the desired total length
Beam angle continuously adjustable between 20° and 60°
- Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82
- Integrated dimmer switch
Memory function: Last light brightness value used is saved

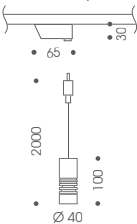
Output data
24 V DC / LED / 3000 K / 550 lm / 8 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium

Weight
0.2 kg

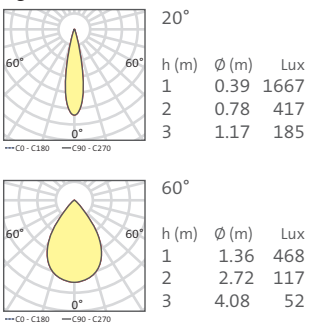
TECHNICAL INFORMATION

Order adapters separately



Special length
Suspension cable up to 5 m available upon request.

Light distribution



PRODUCT

Type	lm	K	W	Colour	Item number
LED	550	3000	8	Chrome	20-898-12-05
				Matt chrome	20-898-12-06

Adapters: Page 81

BOURBON

The shape of the satin finished glass shade is instantly reminiscent of a good glass of whiskey and is responsible for the naming of the LED pendant luminaire. The striking heat sink made from aluminium establishes a fascinating contrast to the soft glass colours. It is available in the matt white and matt chrome colour options.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with SMART.IQ components for integration into building automation systems: Page 82

Integrated dimmer switch
Memory function: Last light brightness value used is saved

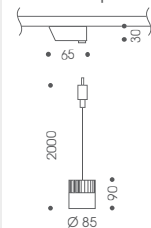
Output data
24 V DC / LED / 3000 K / 750 lm /
8.8 W / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass

Weight
0.3 kg

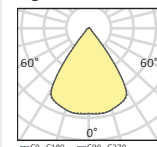
TECHNICAL INFORMATION

Order adapters separately



Special length
Suspension cable up to 5 m available upon request.

Light distribution



h (m)	Ø (m)	Lux
1	1.40	570
2	2.90	143
3	4.3	63

COLOURS



Matt white /
Matt white



Matt chrome /
Bright green



Matt chrome /
Bright blue



Matt chrome /
Bright orange

PRODUCT

Heat sink matt white

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-21/21

Adapters: Page 81

PRODUCT

Heat sink matt chrome

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-06/21
				Bright green	20-876-10-06/35
				Bright blue	20-876-10-06/37
				Bright orange	20-876-10-06/29

Adapters: Page 81

SMART.TRACK

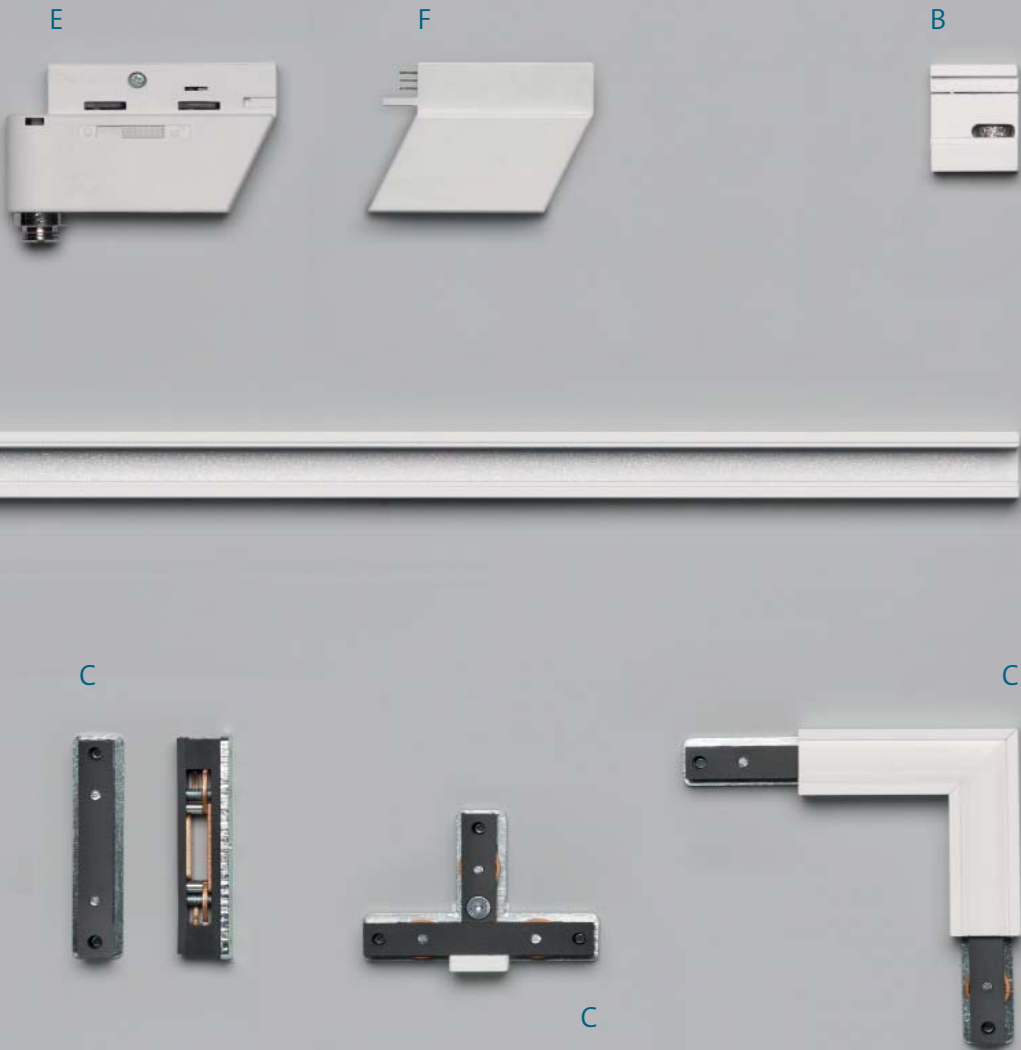
SYSTEM COMPONENTS

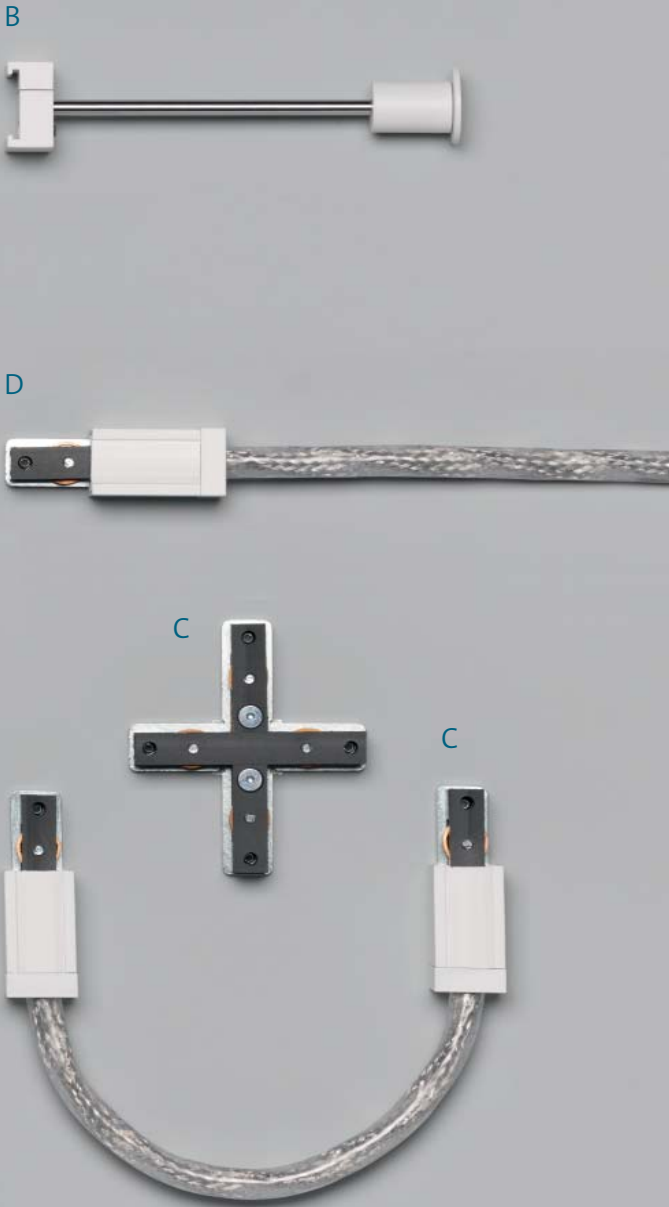
24 V / max. 10 A

The components in a track system vary according to the situation in which it is used and the customer's individual requirements. A functional system always consists of certain base components.

The following checklist facilitates checking the completeness of the system and serves as a guideline for choosing the right components.

Examples





PROFILE SECTION



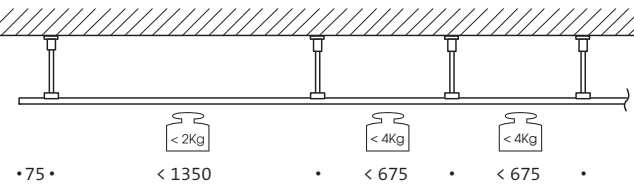
SYSTEM COLOURS

-  Matt chrome
-  Matt white
-  Matt black

BASE COMPONENT CHECKLIST

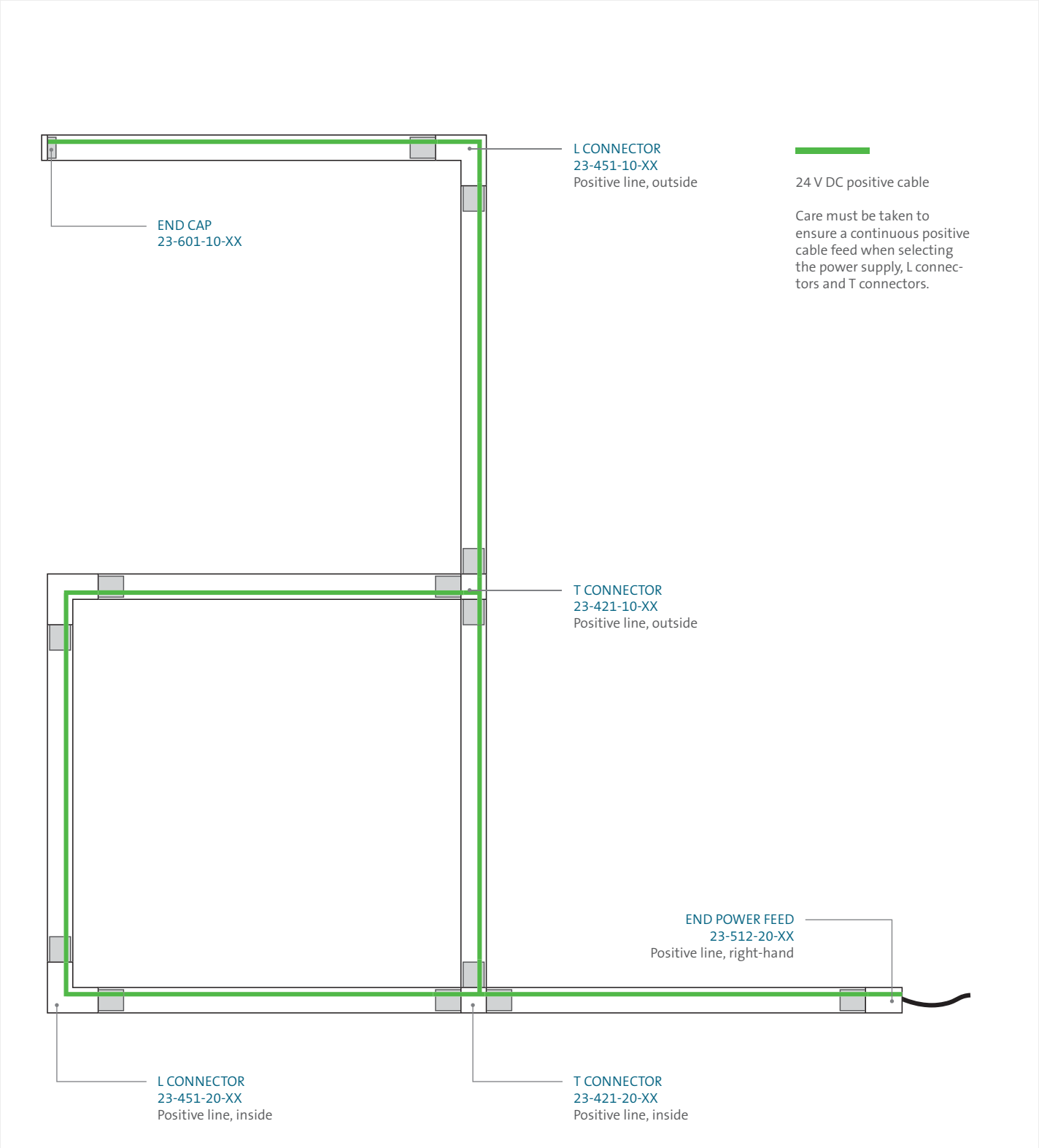
- A Busbar
- B Support
- C Connector
- D Power supply
 - End caps
- E Luminaire adapter
- F SMART.IQ wireless adapter
 - DC power supply unit, in the system or external

DISTANCES AND WEIGHTS



SMART.TRACK

INSTALLATION EXAMPLE



1. TRACK



1.1 TRACK

17 x 17 mm / cable cross section 2x 4.05 mm²

Can be shortened

Track version punched for installation flush to the ceiling with no supports

Material

Metal

Track

Colour	L (mm)	Item number
Matt chrome	500	23-201-10-06
Matt white	500	23-201-10-21
Matt black	500	23-201-10-23
Matt chrome	1500	23-201-12-06
Matt white	1500	23-201-12-21
Matt black	1500	23-201-12-23

Punched track

Colour	L (mm)	Item number
Matt chrome	500	23-201-20-06
Matt white	500	23-201-20-21
Matt black	500	23-201-20-23
Matt chrome	1500	23-201-22-06
Matt white	1500	23-201-22-21
Matt black	1500	23-201-22-23

1.2 TRACK FOR CEILING INSTALLATION

Installation profile 21.5 x 23.5 mm for concrete and suspended ceilings, installation depth min. 28 mm

With 3 perforated plate tabs (150 x 10 mm)

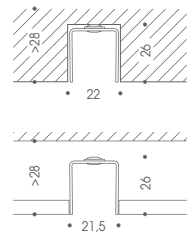
Can be shortened

Track incl. retaining clamps 17 x 21.5 mm

Can be shortened

500 mm track incl. 2 retaining clips

1500 mm track incl. 3 retaining clips



Material

Metal

Punched track, incl. retaining clips

Colour	L (mm)	Item number
Matt chrome	500	23-201-40-06
Matt white	500	23-201-40-21
Matt black	500	23-201-40-23
Matt chrome	1500	23-201-42-06
Matt white	1500	23-201-42-21
Matt black	1500	23-201-42-23

Installation profile with perforated plate tabs

L (mm)	Item number
1000	23-201-30-05

1. TRACK



2. SUPPORT



1.3 COVER SECTION

Optional accessory
Can be shortened

Material

Plastic

Colour	L (mm)	Item number
Matt chrome	1000	23-651-10-06
Matt white	1000	23-651-10-21
Matt black	1000	23-651-10-23

2.1 SUPPORT

Can be shortened

Material

Metal

Colour	L (mm)	Item number
Matt chrome	100	23-301-10-06
Matt white	100	23-301-10-21
Matt black	100	23-301-10-23
Matt chrome	225	23-301-11-06
Matt white	225	23-301-11-21
Matt black	225	23-301-11-23

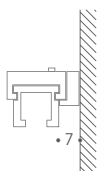
Colour	L (mm)	Item number
Matt chrome	525	23-301-12-06
Matt white	525	23-301-12-21
Matt black	525	23-301-12-23

2.3 WALL SUPPORT

27 x 21 x 12 mm

Material

Metal



Colour	Item number
Matt chrome	23-321-10-06
Matt white	23-321-10-21
Matt black	23-321-10-23

3. CONNECTOR



3.1 I CONNECTOR

Material
Metal, plastic

Function	Item number
Conductive	23-401-10-00
Insulating	23-401-20-00

3.2 L CONNECTOR

Material
Metal, plastic

Positive line, outside

Colour	Item number
Matt chrome	23-451-10-06
Matt white	23-451-10-21
Matt black	23-451-10-23

Positive line, inside

Colour	Item number
Matt chrome	23-451-20-06
Matt white	23-451-20-21
Matt black	23-451-20-23

3.3 T CONNECTOR

Material
Metal, plastic

Positive line, outside

Colour	Item number
Matt chrome	23-421-10-06
Matt white	23-421-10-21
Matt black	23-421-10-23

Positive line, inside

Colour	Item number
Matt chrome	23-421-20-06
Matt white	23-421-20-21
Matt black	23-421-20-23

3.4 X CONNECTOR

Material
Metal, plastic

Positive line, outside

Colour	Item number
Matt chrome	23-431-10-06
Matt white	23-431-10-21
Matt black	23-431-10-23

Positive line, inside

Colour	Item number
Matt chrome	23-431-20-06
Matt white	23-431-20-21
Matt black	23-431-20-23

3. CONNECTOR



3.5 FLEX CONNECTOR

150 mm
2x 2.5 mm²

Material
Metal, plastic

Colour	Item number
Matt chrome	23-461-10-06
Matt white	23-461-10-21
Matt black	23-461-10-23

4.1 END POWER FEED

500 mm
2x 2.5 mm²

Material
Metal, plastic

Positive line, left-hand

Colour	Item number
Matt chrome	23-512-10-06
Matt white	23-512-10-21
Matt black	23-512-10-23

Positive line, right-hand

Colour	Item number
Matt chrome	23-512-20-06
Matt white	23-512-20-21
Matt black	23-512-20-23

4.2 END POWER FEED, FLEX CABLE

500 mm
2x 2.5 mm²

Material
Metal, plastic

Positive line, left-hand

Colour	Item number
Matt chrome	23-512-40-06 *
Matt white	23-512-40-21 *
Matt black	23-512-40-23 *

Positive line, right-hand

Colour	Item number
Matt chrome	23-512-50-06 *
Matt white	23-512-50-21 *
Matt black	23-512-50-23 *

4.3 CENTRAL POWER FEED

500 mm
2x 2.5 mm²

Only in combination with ≥100 mm supports or suspended ceilings

Material
Metal, plastic

Colour	Item number
Matt chrome	23-512-30-06
Matt white	23-512-30-21
Matt black	23-512-30-23

* New in the range

4. POWER SUPPLY



5. END CAP



6. LUMINAIRE ADAPTER



4.4 COVER PANEL

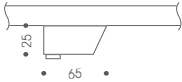
For end and central power feed
Ø 100 mm
Installation opening 18-40 mm
Material
Metal

Colour	Item number
Matt white	23-661-10-21 *

17 x 17 x 8.5 mm
Material
Plastic

Colour	Item number
Matt chrome	23-601-10-06
Matt white	23-601-10-21
Matt black	23-601-10-23

For adapting luminaires for the SMART.TRACK track
24 V DC / max. 2 A
Integrated SMART.POINT socket
Material
Metal, plastic



Colour	Item number
Matt chrome	23-623-10-06
Matt white	23-623-10-21
Matt black	23-623-10-23

The compact adapter can be freely positioned on the SMART.TRACK track and is quick to install.

It is simply connected to the track system through mechanical locking.

Integrated anti-rotation protection ensures installation safety.

Expandable with a SMART.IQ wireless adapter (Casambi or HomeMatic) for integrating the luminaire into the building automation system.

* New in the range



LOCKING MECHANISM

The electrical and mechanical connection between the luminaire adapter and track is created by a small slide lock.

SMART.IQ

WIRELESS COMPONENTS AND ACCESSORIES

FOR DIGITAL LIGHTING CONTROL


For wireless control via Casambi or HomeMatic

7. SMART.IQ – CASAMBI







<h3>7.1 WIRELESS ADAPTER</h3>	<h3>CASAMBI APP</h3>	<h3>7.2 BUTTON / REMOTE CONTROL</h3>														
<p>Expansion for luminaire adapters</p> <p>Allows compatible luminaires to be controlled via smartphone, wireless switch or wireless remote control.</p> <p>As a cross-manufacturer application, the Casambi app can also be used with luminaires from other manufacturers, such as the Philips Hue, for example. An Internet connection should be available for setting up the system.</p> <p>24 V DC / 2.4 GHz Bluetooth 4.0 LE</p> <p>Material Plastic</p> 	<p>Software for wireless lighting control via smartphones and tablets. Creates a mesh network with other Casambi-compatible products. Free, no subscription costs. App available in the App Store and on Google Play.</p> <p>Compatibility iOS operating system from iPhone 4S or later, from iPad 3 or later, from 5th generation iPod touch or later</p> <p>Android operating system Android 5.0 Lollipop or later with full Bluetooth 4.0 support</p> <p>www.casambi.com</p>	<p>Mobile wireless button for wireless switching and dimming of compatible luminaires, including in groups or scenes. Four programmable buttons. Optional wall mounting.</p> <p>2.4 GHz Bluetooth 4.0 LE Casambi</p> <p>90 x 90 x 12 mm</p> <p>Material Plastic</p>														
<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Matt chrome</td><td>23-625-10-06 *</td></tr><tr><td>Matt white</td><td>23-625-10-21 *</td></tr><tr><td>Matt black</td><td>23-625-10-23 *</td></tr></table>	Colour	Item number	Matt chrome	23-625-10-06 *	Matt white	23-625-10-21 *	Matt black	23-625-10-23 *		<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Matt white</td><td>60-626-10-21 *</td></tr><tr><td>Matt black</td><td>60-626-10-23 *</td></tr></table>	Colour	Item number	Matt white	60-626-10-21 *	Matt black	60-626-10-23 *
Colour	Item number															
Matt chrome	23-625-10-06 *															
Matt white	23-625-10-21 *															
Matt black	23-625-10-23 *															
Colour	Item number															
Matt white	60-626-10-21 *															
Matt black	60-626-10-23 *															

8. SMART.IQ – HOMEMATIC



8.1 WIRELESS ADAPTER

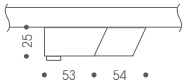
Expansion for luminaire adapters

Allows compatible luminaires to be controlled via smartphone, wireless switch or wireless remote control.

With HomeMatic components from the manufacturer eQ3, projects from individual wireless applications through to fully networked building automation systems using cables and with wireless solutions can be realised according to the modular principle.

24 V DC / 868.3 MHz HomeMatic BidCoS

Material
Plastic



Colour	Item number
Matt chrome	23-625-11-06 *
Matt white	23-625-11-21 *
Matt black	23-625-11-23 *

* New in the range

HOMEMATIC APP

Software
for wireless or wired control of HomeMatic-compatible devices. Costs may be incurred depending on the app. App available in the App Store, Windows Store and on Google Play. HomeMatic centre required on site.

Compatibility
iOS operating system 8.0 or later

Android operating system
"HomeDroid" or "Home24"
from Android version 1.6 or later

Windows operating system
"Orbylon" from Windows 8.1 or later

www.homematic.com

8.2 BUTTON / REMOTE CONTROL

For wireless switching and dimming of compatible luminaires, including in groups or scenes.

Wireless button, programmable

Wireless remote control, eight programmable buttons

868.3 MHz HomeMatic BidCoS

Material
Plastic

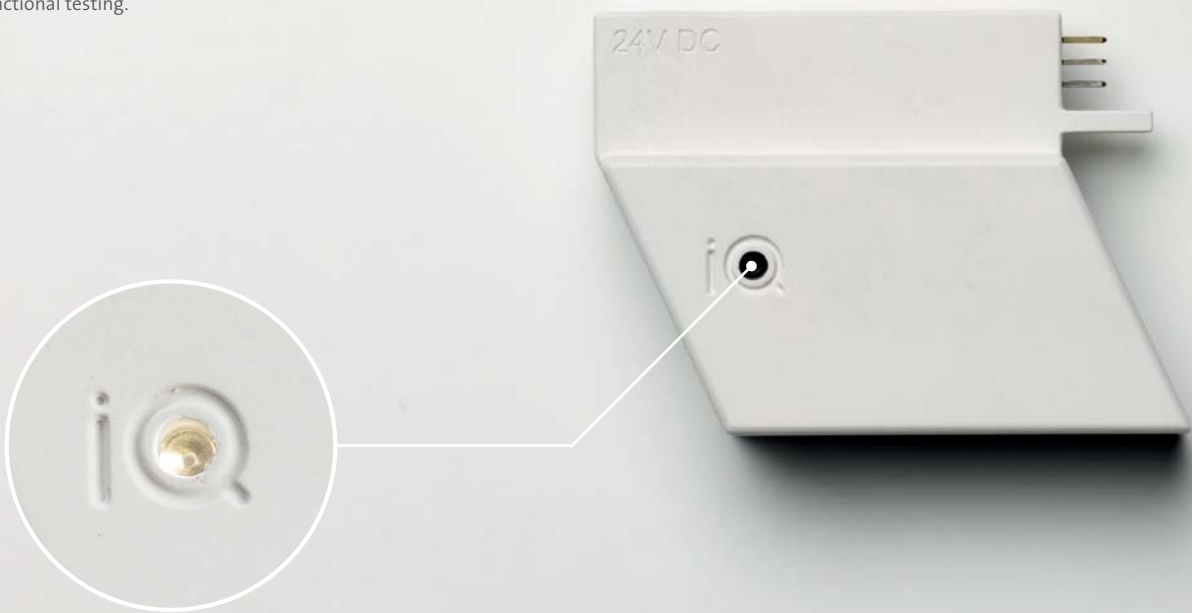
Type	Item number
Button	60-626-11-21 *
Remote control	60-627-11-21 *

* New in the range

FUNCTIONAL TEST / BUTTON

The connection status is shown by an LED in the housing.

The connected luminaire can be manually switched and dimmed using the integrated micro button for simple functional testing.



DC POWER SUPPLY UNITS

Designer housing

220 – 240 V / 50 – 60 Hz / 24 V DC / protection class 1



External DC power supply units from page 478

9. NEWPORT

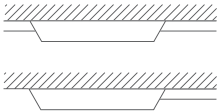


9.1 50 VA / FLUSH

Central / end power feed
422 x 48 x 32 mm

Order separately: 1x / 2x power supply 4.

Material
Metal



Single-colour

Colour	Item number
Matt chrome	60-142-11-06
Matt white	60-142-10-21
Matt black	60-142-12-23

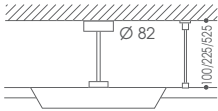
With chrome trim

Colour	Item number
Matt chrome	60-142-13-06
Matt white	60-142-13-21
Matt black	60-142-13-23

9.2 50 VA / WITH SUPPORT

Central / end power feed
422 x 48 x 32 mm
Order separately: 1x / 2x power supply 4.

Material
Metal



Single-colour

Colour	L (mm)	Item number
Matt chrome	100	60-142-15-06
Matt white	100	60-142-14-21
Matt black	100	60-142-16-23
Matt chrome	225	60-142-19-06
Matt white	225	60-142-18-21
Matt black	225	60-142-20-23
Matt chrome	525	60-142-23-06
Matt white	525	60-142-22-21
Matt black	525	60-142-24-23

With chrome trim

Colour	L (mm)	Item number
Matt chrome	100	60-142-17-06
Matt white	100	60-142-17-21
Matt black	100	60-142-17-23
Matt chrome	225	60-142-21-06
Matt white	225	60-142-21-21
Matt black	225	60-142-21-23
Matt chrome	525	60-142-25-06
Matt white	525	60-142-25-21
Matt black	525	60-142-25-23

9. NEWPORT

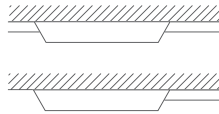


9.4 85 VA / FLUSH

Central / end power feed
500 x 58 x 35 mm

Order separately: 1x / 2x power supply 4.

Material
Metal



Single-colour

Colour	Item number
Matt chrome	60-142-31-06
Matt white	60-142-30-21
Matt black	60-142-32-23

With chrome trim

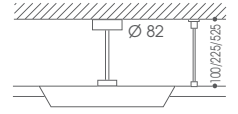
Colour	Item number
Matt chrome	60-142-33-06
Matt white	60-142-33-21
Matt black	60-142-33-23

9.5 85 VA / WITH SUPPORT

Central / end power feed
500 x 58 x 35 mm

Order separately: 1x / 2x power supply 4.

Material
Metal



Single-colour

Colour	L (mm)	Item number
Matt chrome	100	60-142-35-06
Matt white	100	60-142-34-21
Matt black	100	60-142-36-23
Matt chrome	225	60-142-39-06
Matt white	225	60-142-38-21
Matt black	225	60-142-40-23
Matt chrome	525	60-142-43-06
Matt white	525	60-142-42-21
Matt black	525	60-142-44-23

With chrome trim

Colour	L (mm)	Item number
Matt chrome	100	60-142-37-06
Matt white	100	60-142-37-21
Matt black	100	60-142-37-23
Matt chrome	225	60-142-41-06
Matt white	225	60-142-41-21
Matt black	225	60-142-41-23
Matt chrome	525	60-142-45-06
Matt white	525	60-142-45-21
Matt black	525	60-142-45-23

9. NEWPORT

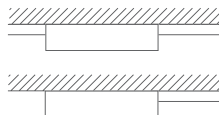


9.7 240 VA / FLUSH

Central / end power feed
370 x 85 x 50 mm

Order separately: 1x / 2x power supply 4.

Material
Metal



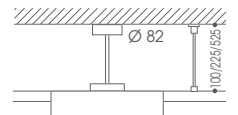
Colour	Item number
Matt chrome	60-142-51-06
Matt white	60-142-50-21
Matt black	60-142-52-23

9.8 240 VA / WITH SUPPORT

Central / end power feed
370 x 85 x 50 mm

Order separately: 1x / 2x power supply 4.

Material
Metal



Colour	L (mm)	Item number
Matt chrome	100	60-142-55-06
Matt white	100	60-142-54-21
Matt black	100	60-142-56-23
Matt chrome	225	60-142-59-06
Matt white	225	60-142-58-21
Matt black	225	60-142-60-23
Matt chrome	525	60-142-63-06
Matt white	525	60-142-62-21
Matt black	525	60-142-64-23



SMART.POINT

INTELLIGENCE IN A NUTSHELL.

The SMART.POINT 24 volt lighting system, based entirely on LED lighting technology, makes use of the smaller volumes of the lamps and combines the smallest possible dimensions with the greatest possible degree of flexibility. Regardless of whether it's installed surface mounted onto the ceiling or recessed into it – the system technology, almost invisible to the observer, allows for the maximum creative freedom with minimal energy consumption.

The luminaires can be integrated into the common Casambi and HomeMatic smart home systems using SMART.IQ wireless components for digital lighting control. A DALI converter also allows

for integration into digitally controllable lighting systems for professional lighting control.

SMART.POINT emphasises brilliant decorative and lighting technology features. It is recommended for use in private living space as well as in public and commercial areas. The system can be individually configured for any lighting requirements imaginable.

Design: OLIGO

CONTENTS	PAGE
System luminaires	94
System components	112
SHOP modular recessed system	417



HUBBLE

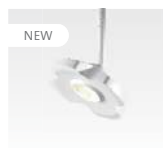
SMART.POINT

LUMINAIRE OVERVIEW

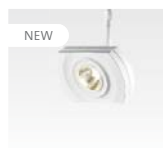
Low voltage LED plug connector system

LED-LEUCHTEN

Spotlights



WALKER
Page 94



NEWTON
Page 95



SENTRY PRO
Page 96



SENTRY
Page 97



AVIATION PRO
Page 98



AVIATION
Page 99



RIDGE MAX
Page 100



RIDGE
Page 101



A LITTLE BIT MORE
Page 102



A LITTLE BIT
Page 103



HUBBLE
Page 104



KELVEEN
Page 105

Ambient lights



41 DEGREES
Page 106



FLAVIA
Page 107

Pendant luminaires



DECENT
Page 109



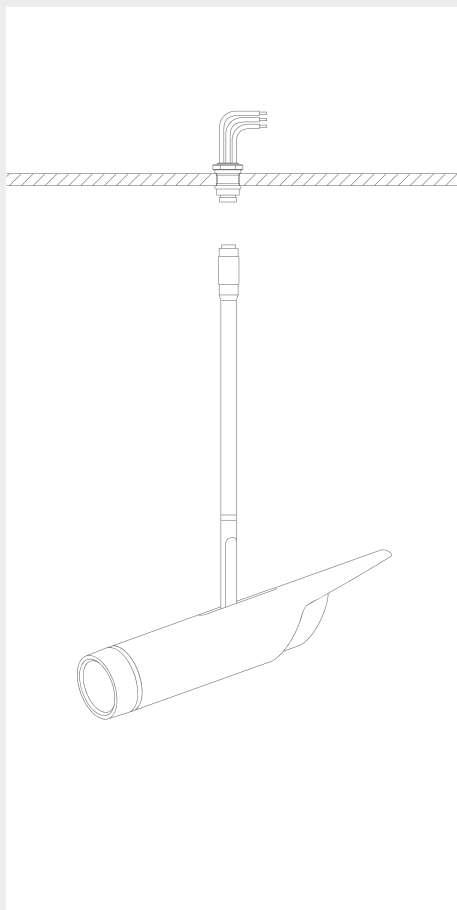
A LITTLE BIT
Page 110



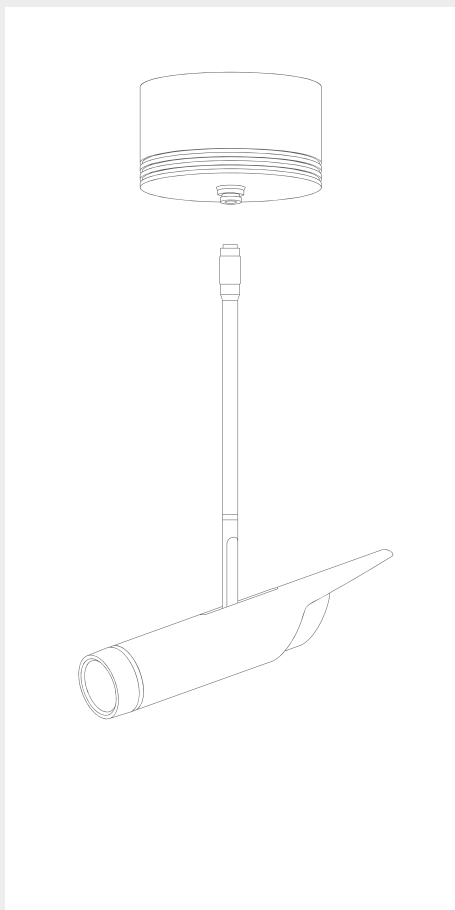
BOURBON
Page 111

SMART.POINT SIMPLY INSTALL

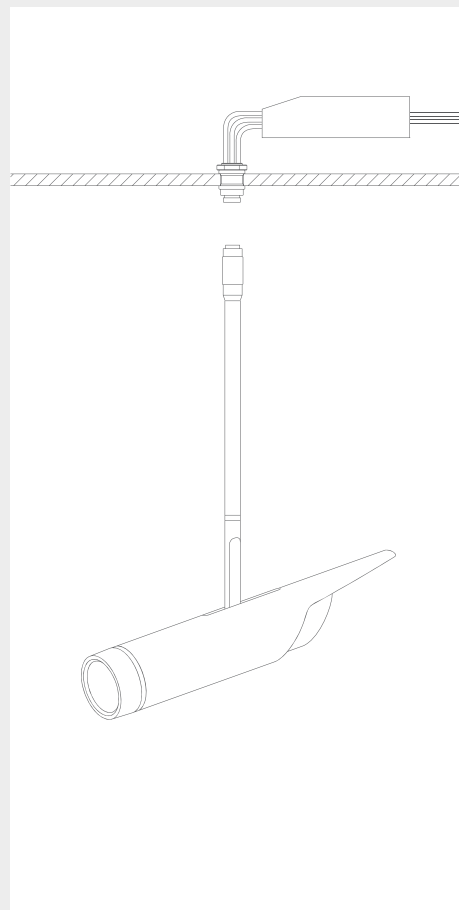
INSTALLATION flush with the ceiling



INSTALLATION Surface mounted on the ceiling



SOCKET with **SMART.IQ** WIRELESS ADAPTER



INSTALL QUICKLY AND SAFELY

The installation of the 24 v LED system luminaires is extremely easy. Thanks to the plug connection, the luminaires can be put into operation quickly and conveniently.

Once plugged into the three-pole socket, the luminaire is mechanically secured against detaching by the ridged sleeve. At the same time, precise swivelling is thus ensured for the system spotlights.

THE SMART.POINT MOUNTING METHODS

The SMART.POINT 24 V system is suitable for the following mounting methods:

- Recessed installation with external switching power supply in suspended ceilings
- Surface-mounted variant in the form of a ceiling canopy with integrated switching power supply

WIRELESS MODULE FOR LIGHTING CONTROL

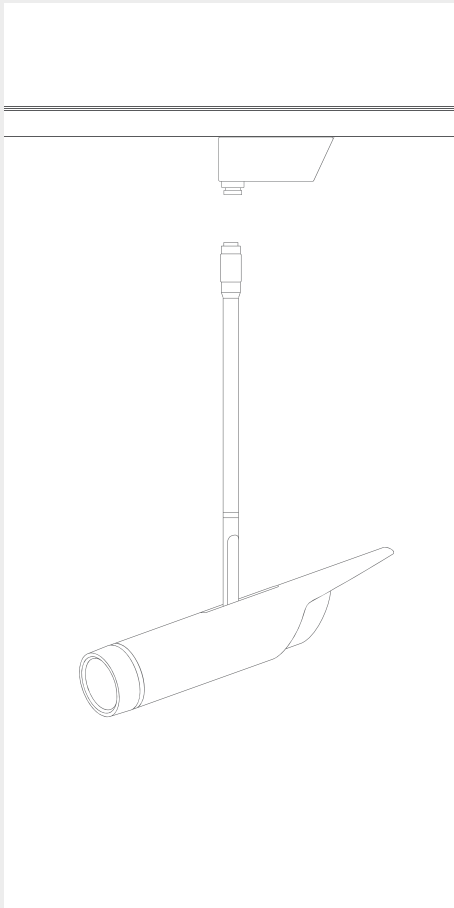
The SMART.IQ wireless module, which is easy to integrate retroactively, brings intelligence into play. In the blink of an eye, the 24 volt LED point outlet system is transformed into a smart home solution.

The SMART.IQ wireless module is simply connected through the plug socket. During commissioning of the system, the spotlight is coupled with the mobile device and establishes a wireless connection.

SMART.POINT

COMBINING SYSTEMS AND LUMINAIRES

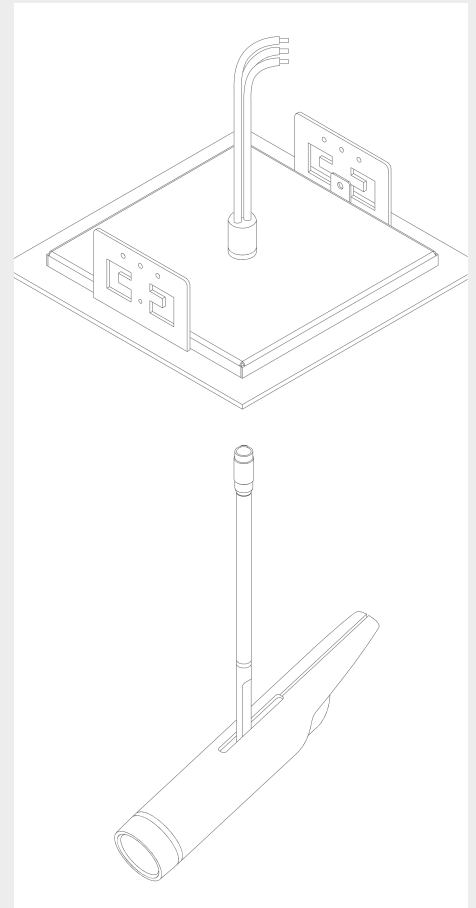
ADAPTERS
24 V LED track system
[SMART.TRACK](#)



ADAPTERS
230 V track system
[PHASE](#)



ADAPTERS
Recessed system
[SHOP](#)



EXPANDABLE AT ANY TIME

Thanks to the flexible pin connection, the luminaires in the SMART.POINT 24 V system range can also be used in other luminaire systems from OLIGO.

With the help of the appropriate three-pole system adapter, integration into both the SMART.TRACK 24 V LED track system and the PHASE 230 V track system, as well as into the SHOP modular recessed luminaire system, is possible.

SMART.IQ

in combination with the Casambi wireless solution

SIMPLY CLEVER

Casambi is a free software for the mobile control of single luminaires and lighting systems.

It is characterised by:

- easy integration
- simply technical design
- wireless installation, and
- intuitive control via smartphone or tablet

Even existing lighting units and conventional light switches can be integrated into the mobile lighting control system using a switch module which can be retrofitted. Casambi is therefore particularly suitable for retrofitting in existing buildings.

Thanks to a maximum distance of 50 metres between the modules or the mobile device used as a control, even bigger projects can be realised.

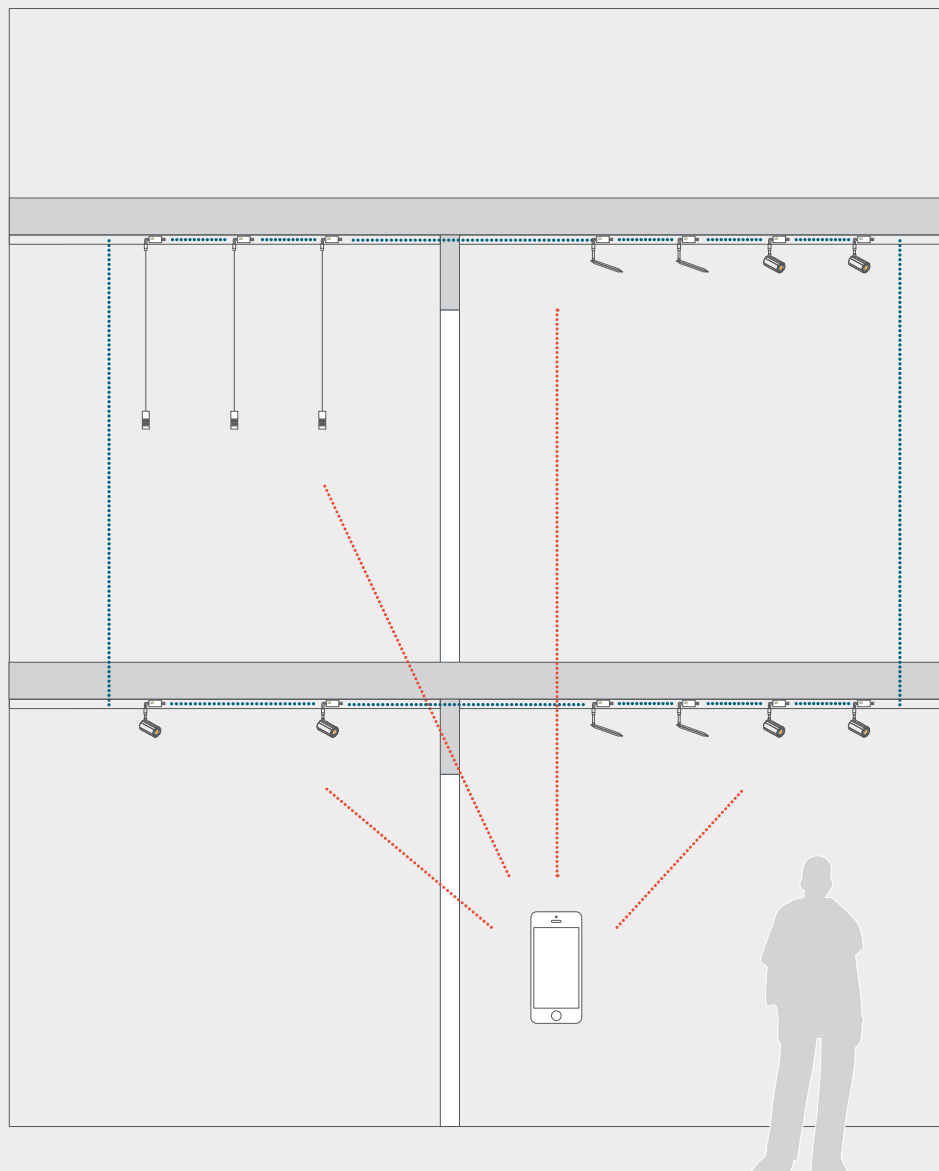
PROVEN TIME AND AGAIN

The software is used by more than 120 companies in the lighting industry and is compatible with products in the Philips Hue range, among others.

It therefore offers end users a convenient, cross-manufacturer lighting control system with just one app.

Detailed information about Casambi can be found at

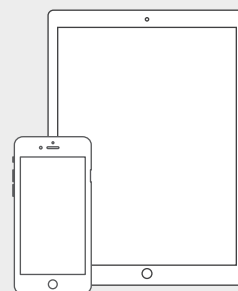
➞ www.casambi.com



Devices
for lighting control



Wireless button /
remote control



Mobile devices

SMART.IQ

in combination with the HomeMatic home control system

SMART HOME VIA WIRELESS

HomeMatic is a cross-system smart home system for wireless intelligent building control. It is available for retrofitting in the home as well as for new builds.

The various connected devices such as blinds and heating, access control, security alarm and weather sensors can be conveniently controlled using a smartphone or tablet, via a built-in centre, by remote control or using the PC software.

The HomeMatic wireless protocol is based on the 868 MHz frequency range. It offers excellent wireless range and has no interference from WiFi or Bluetooth. The wireless signal is secured against external tampering using the AES-128 security technology.

AT HOME AND OUT AND ABOUT

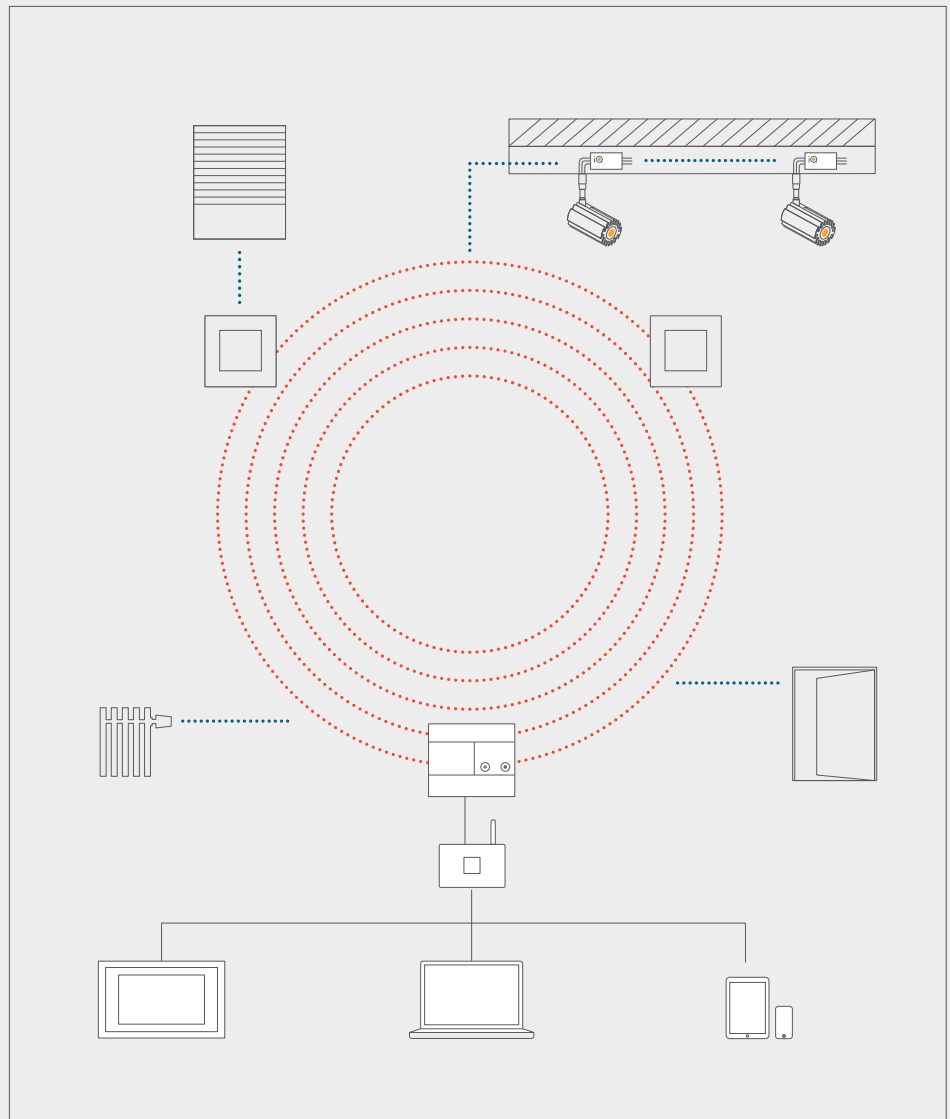
The HomeMatic user interface can be set up using a web browser-based interface and can be controlled both in the local network and over the Internet.

ONE STANDARD, MANY PARTNERS

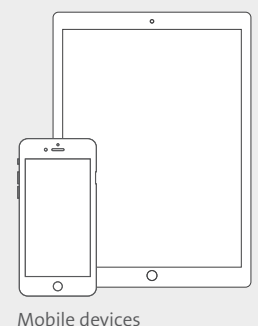
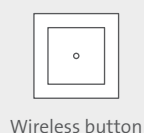
Thanks to its open interfaces, the system allows for the development of partner solutions in the field of hardware and software. These include, among other things, apps and Cloud services for control via smartphone and tablets which are offered directly by the partners.

Detailed information about HomeMatic can be found at

➞ www.homematic.com



Devices for lighting control



WALKER

The bright WALKER reflector spotlight convinces with a luminous flux of 2,000 lumen and, thanks to the three-pole pin, is suitable for digital lighting control systems. With two light distribution characteristics and modern design, WALKER puts the topic of luminaire design in a contemporary context and is perfectly suited for designing creative shop fitting and office concepts.

Design: Böhler Design

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3000 or 4000 K / 2000 lm / 17.8 W / 25 or 45° / CRI >80
Energy efficiency class: A+

Material
Aluminium

Weight
0.7 kg

TECHNICAL INFORMATION

Light distribution

h (m)	Ø (m)	Lux
1	0.54	3787
2	1.10	947
3	1.60	421

---C0 - C180 ---C90 - C270

h (m)	Ø (m)	Lux
1	0.83	2514
2	1.70	628
3	2.50	279

---C0 - C180 ---C90 - C270

COLOURS

Matt chrome

Matt white

Matt black

PRODUCT						
3000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-862-12-06 *
					Matt white	20-862-12-21 *
					Matt black	20-862-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-862-13-06 *
					Matt white	20-862-13-21 *
					Matt black	20-862-13-23 *

* New in the range

PRODUCT						
4000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-862-16-06 *
					Matt white	20-862-16-21 *
					Matt black	20-862-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-862-17-06 *
					Matt white	20-862-17-21 *
					Matt black	20-862-17-23 *

* New in the range

NEWTON

With a 2,000 lumen luminous flux at a power consumption of 17.8 watts, NEWTON offers a bright, efficient lighting solution for product presentation. The high performance reflector, coordinated in-house with the LED light source shields the spotlight and at the same time defines the softly sketched light scene. The rotatable and swivelling spotlight, with light distribution characteristics of 25° and 45° and light colours of 3,000 k and 4,000 k, allows for a multitude of options for the modulation of presentation areas.

Design: Böhler Design

LED
INTEGRIERT



IN-B socket

PRODUCT 3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-860-12-06 *
					Matt white	20-860-12-21 *
					Matt black	20-860-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-860-13-06 *
					Matt white	20-860-13-21 *
					Matt black	20-860-13-23 *

* New in the range



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

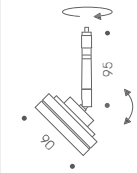
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3000 or 4000 K /
2000 lm / 17.8 W / 25 or 45° /
CRI >80
Energy efficiency class: A+

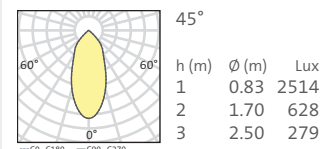
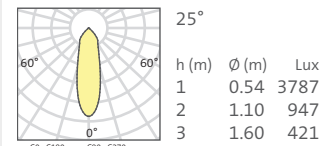
Material
Aluminium

Weight
0.6 kg

TECHNICAL INFORMATION



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-860-16-06 *
					Matt white	20-860-16-21 *
					Matt black	20-860-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-860-17-06 *
					Matt white	20-860-17-21 *
					Matt black	20-860-17-23 *

* New in the range

SENTRY PRO

The SENTRY PRO LED spotlight is businesslike in form, impressive in output. The cylindrical luminaire body, made from aluminium, surrounds a 1,400 lumen LED and is connected to the adapter by a joint which tilts and swivels. Reflectors optimised for the spotlight allow for a particularly homogeneous light mix. SENTRY PRO is particularly suitable for professional use in the retail sector, in galleries and exhibitions and in combination with modern architecture.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3500 or 4000 K / 1400 lm / 15.7 W / 22 or 40° / CRI >80
Energy efficiency class: A+

Material
Aluminium

Weight
1.3 kg

TECHNICAL INFORMATION

Light distribution

22°	
h (m)	Ø (m) Lux
1	0.40 7136
2	0.80 1784
3	1.2 793

40°	
h (m)	Ø (m) Lux
1	0.59 4421
2	1.20 1105
3	1.80 491

COLOURS

Matt chrome

Matt white

Matt black

PRODUCT						
3500 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1400	3500	15.7	22°	Matt chrome	20-867-22-06
					Matt white	20-867-22-21
					Matt black	20-867-22-23
LED	1400	3500	15.7	40°	Matt chrome	20-867-23-06
					Matt white	20-867-23-21
					Matt black	20-867-23-23

PRODUCT						
4000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1400	4000	15.7	22°	Matt chrome	20-867-24-06
					Matt white	20-867-24-21
					Matt black	20-867-24-23
LED	1400	4000	15.7	40°	Matt chrome	20-867-25-06
					Matt white	20-867-25-21
					Matt black	20-867-25-23

SENTRY

The SENTRY LED spotlight presents itself with a slim, cylindrical shape. The luminaire body has a luminous flux of 1,150 lumen and can be directed as desired using a joint which tilts and swivels. The high performance reflector, developed in-house for the spotlight, provides a homogeneous light mix across the entire spectrum. With its timeless design, the spotlight is perfectly suited to use in modern shopping worlds and exhibitions.

Design: OLIGO

LED
INTEGRIERT



IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

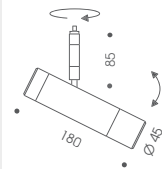
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems:
Page 120

Output data
24 V DC / LED / 3500 or 4000 K /
1150 lm / 13.9 W / 26 or 43° /
CRI >80
Energy efficiency class: A+

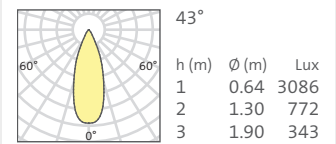
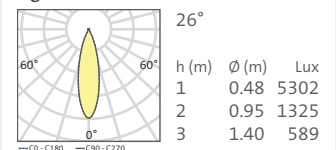
Material
Aluminium

Weight
0.7 kg

TECHNICAL INFORMATION



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	3500	13.9	26°	Matt chrome	20-867-12-06
					Matt white	20-867-12-21
					Matt black	20-867-12-23
LED	1150	3500	13.9	43°	Matt chrome	20-867-13-06
					Matt white	20-867-13-21
					Matt black	20-867-13-23

PRODUCT 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	4000	13.9	26°	Matt chrome	20-867-14-06
					Matt white	20-867-14-21
					Matt black	20-867-14-23
LED	1150	4000	13.9	43°	Matt chrome	20-867-15-06
					Matt white	20-867-15-21
					Matt black	20-867-15-23

AVIATION PRO

AVIATION PRO recognisably leans on aeronautics in the design. With a luminous flux of up to 1350 lumen and a brilliant light scene, the LED spotlight is recommended for professional use in property. Two rod lengths and light characteristics allow for a wide variety of planning options. AVIATION PRO impresses with energy efficiency and outstanding thermal management. Design: Böhler Design



Base: IN-B socket

PRODUCT						
155 mm						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-14-06
					Matt white	20-875-14-21
					Matt black	20-875-14-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-15-06
					Matt white	20-875-15-21
					Matt black	20-875-15-23
LED	1350	4000	13.9	26°	Matt chrome	20-875-16-06
					Matt white	20-875-16-21
					Matt black	20-875-16-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-17-06
					Matt white	20-875-17-21
					Matt black	20-875-17-23

FEATURES

Spotlight
Rotatable / swivelling
155 or 230 mm rod

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3500 or 4000 K / 1350 or 1300 lm / 13.9 W / 26 or 43° / CRI >80
Energy efficiency class: A+

Material
Aluminium

Weight
0.6 kg

**LED
INTEGRIERT**

TECHNICAL INFORMATION

Order base separately

Light distribution

26°

h (m)	Ø (m)	Lux
1	0.48	5302
2	0.95	1325
3	1.40	589

---C0 - C180 ---C90 - C270

43°

h (m)	Ø (m)	Lux
1	0.64	3086
2	1.30	772
3	1.90	343

---C0 - C180 ---C90 - C270

COLOURS

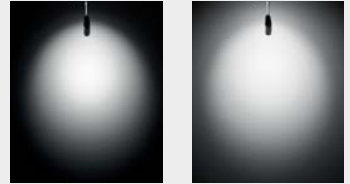
Matt chrome Matt white Matt black

PRODUCT						
230 mm						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-24-06
					Matt white	20-875-24-21
					Matt black	20-875-24-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-25-06
					Matt white	20-875-25-21
					Matt black	20-875-25-23
LED	1350	4000	13.9	26°	Matt chrome	20-875-26-06
					Matt white	20-875-26-21
					Matt black	20-875-26-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-27-06
					Matt white	20-875-27-21
					Matt black	20-875-27-23

AVIATION

The AVIATION LED spotlight is more delicate but just as elegant. With a luminous flux of 700 lumen, it is particularly suitable for use in private living areas. The high performance reflector is determined in-house for the particularly balanced light scene. There are two rod lengths and light distribution characteristics to choose from for detailed lighting planning. Design: Böhler Design

LED
INTEGRIERT



Base: IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
155 or 230 mm rod

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

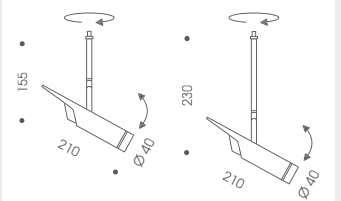
Output data
24 V DC / LED / 3000 or 3500 K /
700 lm / 8.4 W / 23 or 41° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

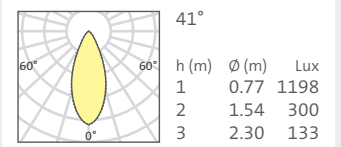
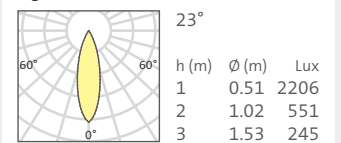
Weight
0.5 kg

TECHNICAL INFORMATION

Order base separately



Light distribution



COLOURS



Matt chrome

Matt white

Matt black

PRODUCT 155 mm

Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-10-06
					Matt white	20-875-10-21
					Matt black	20-875-10-23
LED	700	3000	8.4	41°	Matt chrome	20-875-11-06
					Matt white	20-875-11-21
					Matt black	20-875-11-23
LED	700	3500	8.4	23°	Matt chrome	20-875-12-06
					Matt white	20-875-12-21
					Matt black	20-875-12-23
LED	700	3500	8.4	41°	Matt chrome	20-875-13-06
					Matt white	20-875-13-21
					Matt black	20-875-13-23

PRODUCT 230 mm

Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-20-06
					Matt white	20-875-20-21
					Matt black	20-875-20-23
LED	700	3000	8.4	41°	Matt chrome	20-875-21-06
					Matt white	20-875-21-21
					Matt black	20-875-21-23
LED	700	3500	8.4	23°	Matt chrome	20-875-22-06
					Matt white	20-875-22-21
					Matt black	20-875-22-23
LED	700	3500	8.4	41°	Matt chrome	20-875-23-06
					Matt white	20-875-23-21
					Matt black	20-875-23-23

RIDGE MAX

A distinctive heat sink with cooling ribs around the circumference characterises the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light colours and light distribution characteristics available to choose from for lighting planning. The black and matt chrome surfaces have a remarkable surface finish thanks to an intricate grinding pattern.

Design: OLIGO



LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

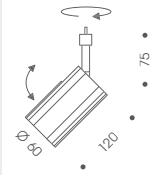
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3500 or 4000 K / 1200 lm / 13.9 W / 26 or 43° / CRI >80
Energy efficiency class: A+

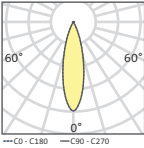
Material
Aluminium

Weight
0.5 kg

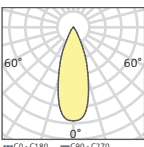
TECHNICAL INFORMATION



Light distribution



h (m)	Ø (m)	Lux
1	0.48	5302
2	0.95	1325
3	1.40	589



h (m)	Ø (m)	Lux
1	0.64	3086
2	1.30	772
3	1.90	343

COLOURS



Matt chrome /
Matt chrome

Matt white /
Matt white

Chrome /
Matt black

PRODUCT

3500 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-11-06
				Chrome	Matt white	20-881-10-21
				Matt white	Matt white	20-881-12-21
				Chrome	Matt black	20-881-10-23
				Matt black	Matt black	20-881-13-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-31-06
				Chrome	Matt white	20-881-30-21
				Matt white	Matt white	20-881-32-21
				Chrome	Matt black	20-881-30-23
				Matt black	Matt black	20-881-33-23

PRODUCT

4000 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-21-06
				Chrome	Matt white	20-881-20-21
				Matt white	Matt white	20-881-22-21
				Chrome	Matt black	20-881-20-23
				Matt black	Matt black	20-881-23-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-41-06
				Chrome	Matt white	20-881-40-21
				Matt white	Matt white	20-881-42-21
				Chrome	Matt black	20-881-40-23
				Matt black	Matt black	20-881-43-23

RIDGE

The RIDGE LED spotlight is a little more delicate than its big brother. Here too, the distinctive cooling fins characterise the unmistakable design. The high quality luminaire head made from aluminium has the same rotating and tilting functionality. With a luminous flux of 550 lumen, RIDGE is ideal for universal use in private living spaces, for example in studies, hallways or modern living and dining rooms. For RIDGE too, the black and matt chrome surfaces are refined with an intricate grinding pattern.

Design: OLIGO

LED
INTEGRIERT



IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

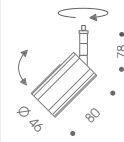
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems:
Page 120

Output data
24 V DC / LED / 3000 K / 550 lm /
8 W / 41° / CRI >80
Energy efficiency class: A+

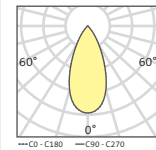
Material
Aluminium

Weight
0.2 kg

TECHNICAL INFORMATION



Light distribution



	h (m)	Ø (m)	Lux
1	0.85	708	
2	1.71	177	
3	2.56	79	

COLOURS



Chrome /
Matt white



Matt white /
Matt white



Chrome /
Matt black

PRODUCT

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Matt chrome	Matt chrome	20-889-12-06
				Matt white	Matt white	20-889-10-21
				Chrome	Matt white	20-889-11-21
				Matt chrome	Matt white	20-889-12-21
				Chrome	Matt black	20-889-11-23

A LITTLE BIT MORE

The A LITTLE BIT MORE LED spotlight offers outstanding lighting technology with individually definable light distribution characteristics. With a luminous flux of 1,100 and 3,500 or 4,000 kelvin, the spotlight is intended for use in shops and property. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass lens. For harmonious light distribution, the high quality lens body is finished separately with a micro texture on the inside.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 60°

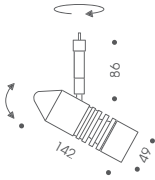
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3500 or 4000 K / 1100 lm / 11 W / 20 – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

Weight
0.6 kg

TECHNICAL INFORMATION



Light distribution


20°

h (m)	Ø (m)	Lux
1	0.62	2288
2	1.24	572
3	1.86	254

60°

h (m)	Ø (m)	Lux
1	1.09	1395
2	2.18	349
3	3.27	155

COLOURS



Chrome / Chrome

Matt chrome / Matt chrome

Matt white / Matt white

Chrome / Matt black

PRODUCT					
3500 K					
Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-10-05
			Matt chrome	Matt chrome	20-882-11-06
			Chrome	Matt white	20-882-10-21
			Matt white	Matt white	20-882-12-21
			Chrome	Matt black	20-882-10-23
			Matt black	Matt black	20-882-13-23

PRODUCT					
4000 K					
Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-30-05
			Matt chrome	Matt chrome	20-882-31-06
			Chrome	Matt white	20-882-30-21
			Matt white	Matt white	20-882-32-21
			Chrome	Matt black	20-882-30-23
			Matt black	Matt black	20-882-33-23

A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology. The width of the cone of light can be continuously adjusted between 20° and 60°. Different rod lengths allow for different distances from the ceiling. A system pendant luminaire matching this spotlight design is also available.

Design: OLIGO

LED
INTEGRIERT



IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
60 or 140 mm rod
Beam angle continuously adjustable between 20° and 60°

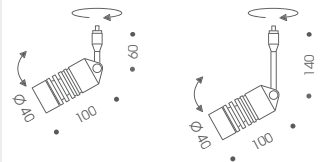
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3000 K / 550 lm / 8 W / 20 – 60° / CRI >80
Energy efficiency class: A+

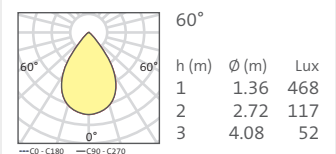
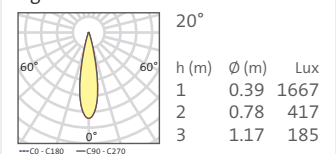
Material
Aluminium, glass lens

Weight
0.3 kg

TECHNICAL INFORMATION



Light distribution



COLOURS AND VARIANTS



Chrome /
60 mm



Matt chrome /
60 mm



Chrome /
140 mm



Matt chrome /
140 mm

PRODUCT

60 mm rod

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-22-05
				Matt chrome	Matt chrome	20-898-22-06

PRODUCT

140 mm rod

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-32-05
				Matt chrome	Matt chrome	20-898-32-06

HUBBLE

The HUBBLE LED spotlight is a suitable inspiration if high quality materials and an elegant appearance are required. The rotatable and swivelling spotlight can also be aligned as a downlight in a harmonious extension of its blade. The beam angle can be set as desired between 20° and 50° thanks to the manually adjustable focus. HUBBLE is available with light colours of 3,000 or 3,500 kelvin and is suitable for use in living space and property.

Design: Böhler Design

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 50°

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3000 or 3500 K / 700 lm / 10.5 W / 20 – 50° / CRI >80
Energy efficiency class: A

Material
Aluminium

Weight
0.8 kg

TECHNICAL INFORMATION

Light distribution

20°

h (m)	Ø (m)	Lux
1	0.47	1680
2	0.93	420
3	1.40	187

60°

h (m)	Ø (m)	Lux
1	1.09	1395
2	2.18	349
3	3.27	155

COLOURS

Matt chrome

Matt white

Matt black

PRODUCT				
3000 K				
Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	20-872-11-06
			Matt white	20-872-11-21
			Matt black	20-872-11-23

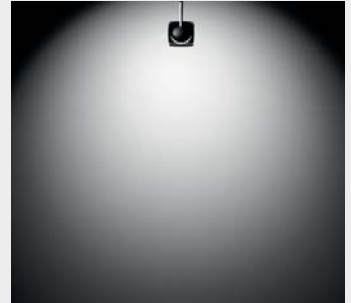
PRODUCT				
3500 K				
Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	20-872-12-06
			Matt white	20-872-12-21
			Matt black	20-872-12-23

KELVEEN

A striking feature of KELVEEN is the high quality glass lens which is available with two beam angles as a spotlight (40°) or floodlight (90°). In combination with the freely movable luminaire head, KELVEEN can be individually adjusted to suit the actual lighting requirements. The lighting effect can be creatively expanded using dichroic filters which can be inserted.

Design: OLIGO

LED
INTEGRIERT



IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
Glass lens with a beam angle of 40° or 90°

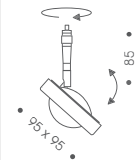
Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Output data
24 V DC / LED / 3000 or 3500 K /
1150 lm / 12.5 W / 40 or 90° /
CRI >80
Energy efficiency class: A+

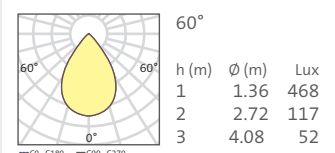
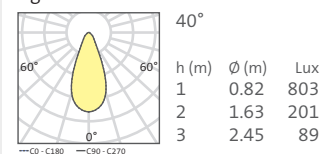
Material
Thermoplastic, aluminium, glass

Weight
0.4 kg

TECHNICAL INFORMATION



Light distribution



ACCESSORIES

Dichroic filter

Size (mm)	Colour	Item number
Ø 50	Red	62-222-10-24
	Yellow	62-222-10-33
	Green	62-222-10-35
	Blue	62-222-10-37
	Magenta	62-222-10-46

COLOURS



Matt chrome

Matt white

Matt black

PRODUCT

3000 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-10-06
				Matt white	20-869-10-21
				Matt black	20-869-10-23
LED	1150	12.5	90°	Matt chrome	20-869-11-06
				Matt white	20-869-11-21
				Matt black	20-869-11-23

PRODUCT

3500 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-12-06
				Matt white	20-869-12-21
				Matt black	20-869-12-23
LED	1150	12.5	90°	Matt chrome	20-869-13-06
				Matt white	20-869-13-21
				Matt black	20-869-13-23

41 DEGREES

41 DEGREES is an extraordinary room light which redefines the design of light sources for extensive room lighting. It stands out with its clear, geometric shape. The flat luminaire body rests weightlessly as a concentric circular ring in the room. Its soft, warm white silhouette from the inner surface of the ring disseminates a pleasantly cosy lighting mood.

Design: Ottenwälder und Ottenwälder

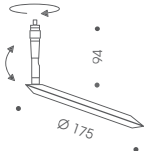
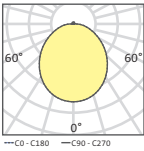


IN-B socket

PRODUCT				
2700 K				
Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-10-06
			Matt white	20-871-10-21
			Matt black	20-871-10-23



LED
INTEGRIERT

FEATURES	TECHNICAL INFORMATION
<p>Ambient light Rotatable / swivelling</p> <p>Lighting control and dimming Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120</p> <p>Output data 24 V DC / LED / 2700 or 3000 K / 600 lm / 11 W / CRI >80 Energy efficiency class: A</p> <p>Material Aluminium</p> <p>Weight 0.3 kg</p>	 <p>Light distribution</p> 

COLOURS			
			
Matt chrome	Matt white	Matt black	

PRODUCT				
3000 K				
Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-11-06
			Matt white	20-871-11-21
			Matt black	20-871-11-23

FLAVIA

Like a suspended work of art made of light, FLAVIA magically draws the eye. Thanks to the optionally open or closed prismatic lens, the actual light source remains invisible and the result is the impression of a glowing forest of leaves. With varying light colours of 2,700 and 3,000 kelvin, the delicate FLAVIA can be used both in private living space and in property.

Design: Ottenwälder und Ottenwälder

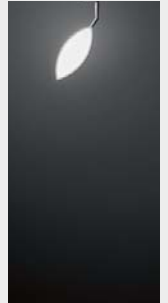


VARIANTS



Open prismatic lens Close prismatic lens Translucent prismatic lens

LED
INTEGRIERT



FEATURES

Ambient light
Rotatable / swivelling

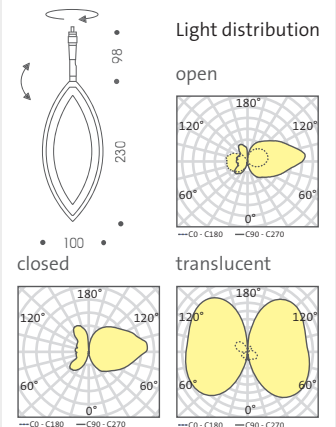
Lighting control and dimming
Non-dimmable

Output data
24 V DC / LED / 2700 or 3000 K /
100-200 lm / 4.8 W / CRI >80
Energy efficiency class: A

Material
Aluminium

Weight
0.2 kg

TECHNICAL INFORMATION



PRODUCT

Open prismatic lens

Type	lm	W	K	Body colour	Item number
LED	150	4.8	2700	Matt chrome	20-870-10-06
				Matt white	20-870-10-21
				Matt black	20-870-10-23
LED	150	4.8	3000	Matt chrome	20-870-12-06
				Matt white	20-870-12-21
				Matt black	20-870-12-23

Closed prismatic lens

Type	lm	W	K	Body colour	Item number
LED	200	4.8	2700	Matt chrome	20-870-11-06
				Matt white	20-870-11-21
				Matt black	20-870-11-23
LED	200	4.8	3000	Matt chrome	20-870-13-06
				Matt white	20-870-13-21
				Matt black	20-870-13-23

Translucent prismatic lens

Type	lm	W	K	Body colour	Item number
LED	100	4.8	2700	Matt chrome	20-870-18-06
				Matt white	20-870-18-21
				Matt black	20-870-18-23
LED	100	4.8	3000	Matt chrome	20-870-19-06
				Matt white	20-870-19-21
				Matt black	20-870-19-23



DECENT

DECENT

DECENT is a flat, subtle LED pendant luminaire in the form of a disc. The evenly flat light radiating downwards is perfectly suited to lighting dining tables or counters. DECENT is controlled touchlessly. A memory function stores the last brightness value selected.

If the luminaire is integrated into a SMART.IQ or DALI application then the digital lighting control replaces the individual lighting control via gesture.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

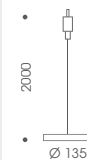
Touchless control
Memory function

Output data
24 V DC / LED / 2700 K / 750 lm /
8.7 W / CRI >80
Energy efficiency class: A+

Material
Metal, acrylic glass

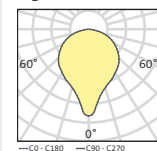
Weight
0.5 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

Light distribution



h (m)	Ø (m)	Lux
1	2.00	353
2	3.90	88
3	5.90	39

COLOURS



Chrome



Brushed aluminium



Matt white

PRODUCT

Type	lm	K	W	Head colour	Item number
LED	750	2700	8.7	Chrome	G20-885-10-05 *
				Brushed aluminium	G20-885-10-12 *
				Matt white	G20-885-10-21 *

* New in the range

A LITTLE BIT

The A LITTLE BIT pendant luminaire offers a highly flexible lighting solution. The elegant luminaire head made from aluminium integrates a lens which can be focused between 20° and 60°. Elegant surfaces made from polished or matt aluminium round out the luminaire profile of A LITTLE BIT. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside. The pendant luminaire design is also available as a spot-light for track installation.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length
Beam angle continuously adjustable
between 20° and 60°

Lighting control and dimming
Compatible with SMART.IQ and
DALI components for integration
into building automation systems:
Page 120

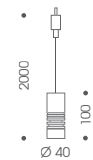
Integrated dimmer switch
Memory function

Output data
24 V DC / LED / 3000 K / 550 lm /
8 W / CRI >80
Energy efficiency class: A+

Material
Aluminium

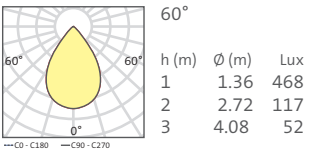
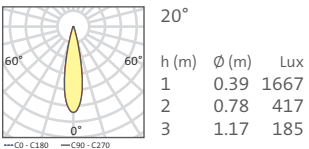
Weight
0.2 kg

TECHNICAL INFORMATION

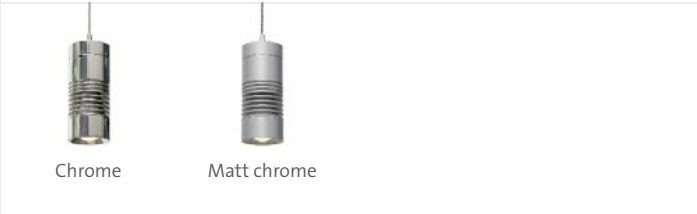


Special length
Suspension cable up to 5 m available
upon request.

Light distribution



COLOURS



PRODUCT

Type	lm	K	W	Colour	Item number
LED	550	3000	8	Chrome	20-898-12-05
				Matt chrome	20-898-12-06

BOURBON

The shape of the satin finished glass shade is instantly reminiscent of a good glass of whiskey and is responsible for the naming of the LED pendant luminaire. The striking heat sink made from aluminium establishes a fascinating contrast to the soft glass colours. The heat sink is available in the matt white and matt chrome colour options.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with SMART.IQ and DALI components for integration into building automation systems: Page 120

Integrated dimmer switch
Memory function

Output data
24 V DC / LED / 3000 K / 750 lm /
8.8 W / CRI >80
Energy efficiency class: A+

Material
Aluminium, hand-blown glass

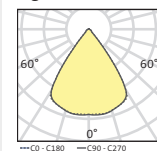
Weight
0.3 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

Light distribution



h (m)	Ø (m)	Lux
1	1.40	570
2	2.90	143
3	4.3	63

COLOURS



Matt white /
Matt white



Matt chrome /
Bright green



Matt chrome /
Bright blue



Matt chrome /
Bright orange

PRODUCT

Heat sink matt white

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-21/21

PRODUCT

Heat sink matt chrome

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-06/21
				Bright green	20-876-10-06/35
				Bright blue	20-876-10-06/37
				Bright orange	20-876-10-06/29

SMART.POINT SYSTEM COMPONENTS

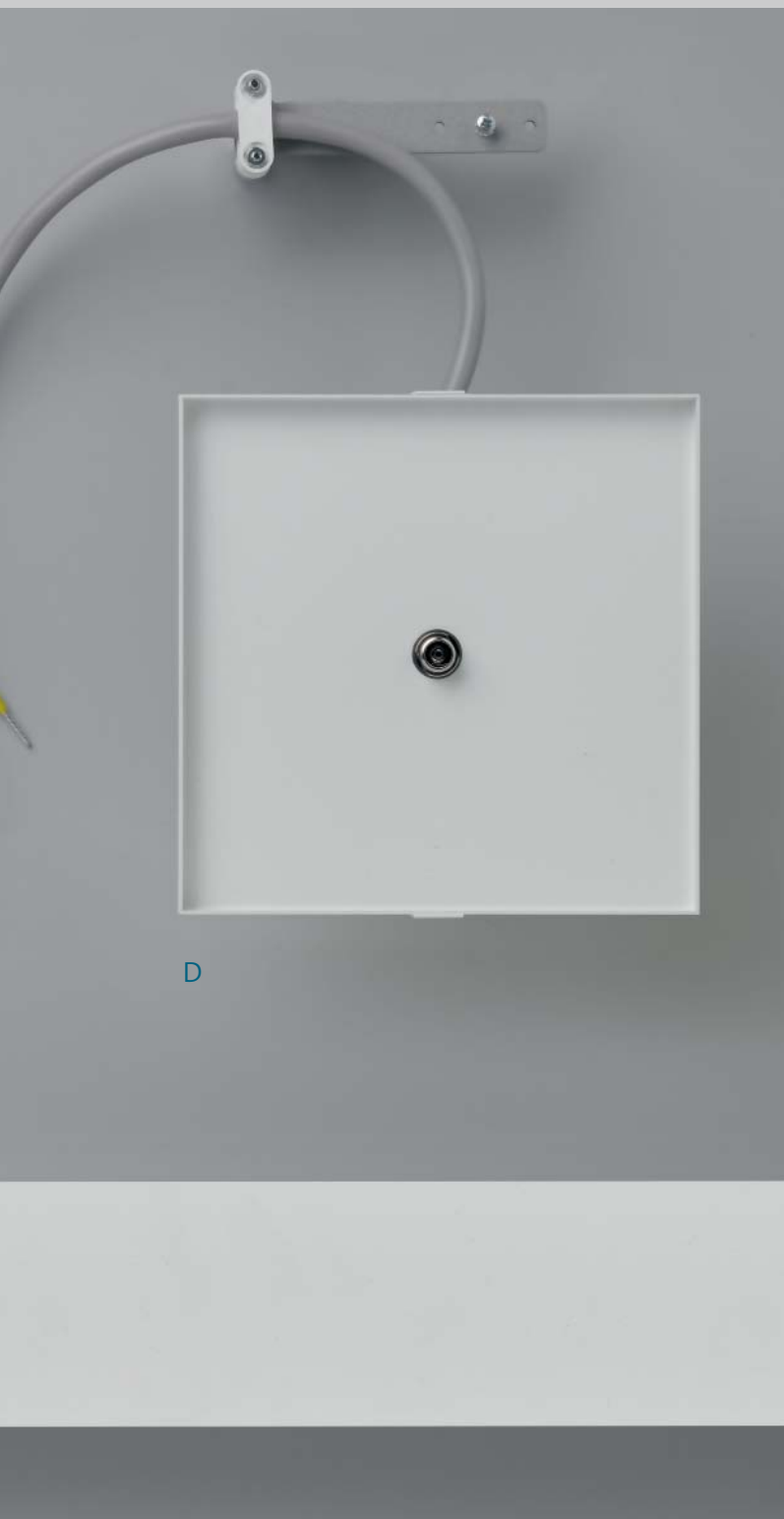
24 V DC / max. 2 A

The components in a point system vary according to the situation in which it is used and the customer's individual requirements.

The following summary offers an overview of the various options for the adapter.




Examples










D

PLUG SOCKET COLOURS

-  Chrome
-  Matt chrome
-  Matt white

DESIGNER HOUSING SYSTEM COLOURS

-  Chrome
-  Matt chrome
-  Brushed aluminium
-  Matt white
-  Matt black

EXAMPLES OF ADAPTATIONS

- A Designer housing for surface-mounted installation
- B Plug socket for recessed installation
- C Adapter for SMART.TRACK 24 V track system
Adapter for PHASE 230 V track system
- D Modular unit for adaptation in the SHOP system

SOCKETS

Plug sockets for external
DC power supply units

24 V DC / max. 2 A / protection class 3

CASAMBI HomeMatic DALI

Compatible with external SMART.IQ wireless modules
and/or with external DALI converters: Page 120



External DC power supply units from page 478

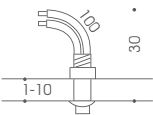
1. IN-A / 24 V DC



1.1 PLUG SOCKET

For drywall construction with panel thicknesses of between 1 and 10 mm
Ø 15 mm, rear screw connection
Installation opening Ø 13 mm

Material Metal Design Ralf Keferstein

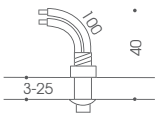


Colour	Item number
Chrome	21-401-10-05

1.2 PLUG SOCKET

For drywall construction with panel thicknesses of between 3 and 25 mm
Ø 20 mm, rear screw connection
Installation opening Ø 13 mm
Not suitable for installation on conductive materials

Material Metal Design Ralf Keferstein



Colour	Item number
Chrome	21-401-11-05

2. IN-B / 24 V DC

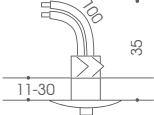


2.1 PLUG SOCKET

For installation using leaf springs
for panel thicknesses of 11 – 30 mm

Ø 40 mm
installation opening Ø 32 mm

Material Metal Design Ralf Keferstein



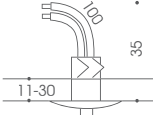
Colour	Item number
Chrome	21-402-10-05
Matt chrome	21-402-10-06
Matt white	21-402-10-21

2.2 PLUG SOCKET

For installation using leaf springs
for panel thicknesses of 11 – 30 mm

40x40 mm
installation opening Ø 32 mm

Material Metal Design Ralf Keferstein



Colour	Item number
Chrome	21-402-11-05
Matt chrome	21-402-11-06
Matt white	21-402-11-21

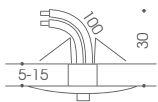
2. IN-B / 24 V DC**2.3 PLUG SOCKET**

Suitable for covering an inspection opening for installing small electrical transformers.

Ø 70 mm, installation opening Ø 58 mm
Only suitable for ceiling installation

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	21-402-12-05
Matt chrome	21-402-12-06
Matt white	21-402-12-21

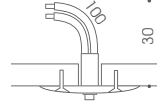
3. IN-C / 24 V DC**3.1 PLUG SOCKET**

For front side screw mounting (visible)

Ø 40 mm
installation opening Ø 18 mm
Only suitable for ceiling installation

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	21-403-10-05
Matt chrome	21-403-10-06
Matt white	21-403-10-21

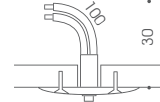
3.2 PLUG SOCKET

For front side screw mounting (visible)

40 x 40 mm
installation opening Ø 18 mm
Only suitable for ceiling installation

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	21-403-11-05
Matt chrome	21-403-11-06
Matt white	21-403-11-21

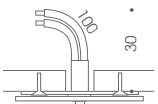
4. IN-D / 24 V DC**4.1 PLUG SOCKET**

Cover plate for ceiling lining, concealed mounting screws
Also for concrete installation boxes

Ø 100 mm
Installation opening Ø 25 - 50 mm

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	21-404-10-05
Matt chrome	21-404-10-06
Matt white	21-404-10-21

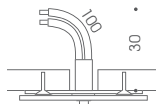
4.2 PLUG SOCKET

Cover plate for ceiling lining, concealed mounting screws
Also for concrete installation boxes

100 x 100 mm
Installation opening Ø 25 - 50 mm

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	21-404-11-05
Matt chrome	21-404-11-06
Matt white	21-404-11-21

CANOPIES

Designer housing
including switching power supply and plug sockets

230 V / 50 – 60 Hz / 24 V DC / protection class 1



All designer housing is suitable for incorporation of a DALI converter (page 121) or is available ex works with an integrated DALI converter.

5. LONG BEACH / 24 V DC canopy



• 350 •



5.1 SINGLE

1x 30 VA

Joints of a contrasting colour depending on model

Material
Metal

Design
Böhler Design

L 185 x W 70 x H 50 mm

Body	Joints	Item number
Matt white	Chrome	21-451-14-21
Matt white	Matt white	21-451-10-21
Matt chrome	Matt black	21-451-11-06
Matt black	Chrome	21-451-14-23

5.2 DOUBLE

2x 20 VA

Joints of a contrasting colour depending on model

Material
Metal

Design
Böhler Design

L 510 x W 70 x H 50 mm

Body	Joints	Item number
Matt white	Chrome	21-451-24-21
Matt white	Matt white	21-451-20-21
Matt chrome	Matt black	21-451-21-06
Matt black	Chrome	21-451-24-23

5. LONG BEACH / 24 V DC canopy

• 350 • 350 •

**5.3 TRIPLE**

3x 20 VA

Joints of a contrasting colour depending on model

Material
Metal**Design**
Böhler Design

L 860 x W 70 x H 50 mm

Body	Joints	Item number
Matt white	Chrome	21-451-34-21
Matt white	Matt white	21-451-30-21
Matt chrome	Matt black	21-451-31-06
Matt black	Chrome	21-451-34-23

6. LOCAL-A / 24 V DC canopy

1x 18 VA

Material
Metal**Design**
Ralf Keferstein

Ø 87 x H 49 mm

Colour	Item number
Chrome	21-453-10-05
Matt chrome	21-453-10-06
Matt white	21-453-10-21

7. KEY WEST / 24 V DC canopy

The housing is designed such that barely noticeable through-wiring of multiple KEY WESTs is possible.

The body and acrylic glass plates can be combined freely.

Material
Metal**Design**
Ralf Keferstein

1x 20 VA



Body L 150 x W 150 x H 44

Colour	Item number
Chrome	21-452-10-05
Matt chrome	21-452-10-06
Brushed aluminium	21-452-10-12

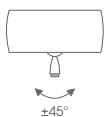
Acrylic glass plate

Colour	Item number
White	14-415-11-20
Green	14-415-11-35
Black	14-415-11-22

8. KEY LARGO / 24 V DC canopy**FOR SLOPING CEILINGS**

1x 36 VA

Luminaire adapter on a ball joint, swivelling range $\pm 45^\circ$
Bright plates, in a contrasting colour depending on model
With optional integrated DALI converter

**Material**
Metal / acrylic glass

Ø 130 x H 57 / H 83 mm		without DALI	with DALI conv.
Body	Plate	Item number	Item number
Chrome	Bright black	21-454-10-05 *	D21-454-10-05 *
Brushed aluminium	Bright black	21-454-10-12 *	D21-454-10-12 *
Matt white	Bright white	21-454-10-21 *	D21-454-10-21 *

* New in the range



RIDGE

SYSTEM ADAPTER

For adapting SMART.POINT luminaires for
24 V / 230 V track systems and the SHOP recessed
system

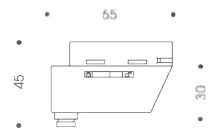
9. TRACK ADAPTERS



9.1 SMART.TRACK

24 V DC / max. 2 A
Can be freely positioned on the track
Tool-free installation, reverse polarity protection

The track adapter can be supplemented with the SMART.IQ wireless adapter. It allows for individual switching and dimming of SMART.POINT LED system luminaires via smart devices or wall-mounted transmitters: Page 120



Material
Plastic

Colour	Item number
Matt chrome	23-623-10-06
Matt white	23-623-10-21
Matt black	23-623-10-23

9. TRACK ADAPTERS



9. SYSTEM ADAPTER



LED
READY

9.2 PHASE

230 V / 50-60 Hz / 24 V DC / 1x 30 VA
Integrated switching power supply
Can be freely positioned on the track
Tool-free installation



Material
Plastic



24 V adapter

Colour	Item number
Matt chrome	33-624-10-06
Matt white	33-624-10-21
Matt black	33-624-10-23

24 V adapter with DALI converter

Colour	Item number
Matt chrome	D33-624-10-06
Matt white	D33-624-10-21
Matt black	D33-624-10-23

9.3 SHOP

SHOP is a modular recessed spotlight range which also offers plugs for the adaptation of SMART.POINT luminaires, among other things.

More information about SHOP: Page 417

Compatible with external SMART.IQ wireless modules and with external DALI converters: Page 120

SMART.IQ

WIRELESS COMPONENTS AND ACCESSORIES FOR DIGITAL LIGHTING CONTROL

For wireless control via Casambi or HomeMatic

For cable-based control via DALI

10. SMART.IQ – CASAMBI



CASAMBI



10.1 WIRELESS MODULE

Suitable for suspended ceilings.

Allows compatible luminaires to be controlled via smartphone, wireless switch or wireless remote control.

As a cross-manufacturer application, the Casambi app can also be used with luminaires from other manufacturers, such as the Philips Hue, for example. An Internet connection should be available for setting up the system.

24 V DC / 2.4 GHz Bluetooth 4.0 LE

82 x 40 x 23 mm

Material
Plastic

Type	Item number
Wireless module	60-312-10-00 *

CASAMBI APP

Software
for wireless lighting control via smartphones and tablets. Creates a mesh network with other Casambi-compatible products. Free, no subscription costs. App available in the App Store and on Google Play.

Compatibility
iOS operating system
from iPhone 4S or later, from iPad 3 or later, from 5th generation iPod touch or later

Android operating system
Android 5.0 Lollipop or later with full Bluetooth 4.0 support

www.casambi.com

10.2 SWITCH / REMOTE CONTROL

Removable wireless switch for wireless switching and dimming of compatible luminaires, including in groups or scenes. Four programmable buttons.

2.4 GHz Bluetooth 4.0 LE Casambi

90 x 90 x 12 mm

Material
Plastic

Colour	Item number
Matt white	60-626-10-21 *
Matt black	60-626-10-23 *

* New in the range

* New in the range

11. SMART.IQ – HOMEMATIC



HomeMatic



11.1 WIRELESS MODULE

Suitable for suspended ceilings.

Allows compatible luminaires to be controlled via smartphone, wireless switch or wireless remote control.

With HomeMatic components from the manufacturer eQ3, projects from individual wireless applications through to fully networked building automation systems using cables and with wireless solutions can be realised according to the modular principle.

24 V DC / 868.3 MHz HomeMatic BidCoS

82 x 40 x 23 mm

Material
Plastic

Type	Item number
Wireless module	60-312-11-00 *

* New in the range

HOMEMATIC APP

Software

for wireless or wired control of HomeMatic-compatible devices. Costs may be incurred depending on the app. App available in the App Store, Windows Store and on Google Play. HomeMatic centre required on site.

Compatibility

iOS operating system 8.0 or later

Android operating system
"HomeDroid" or "Home24"
from Android version 1.6 or later

Windows operating system
"Orbylon" from Windows 8.1 or later

www.homematic.com

11.2 SWITCH / REMOTE CONTROL

For wireless switching and dimming of compatible luminaires, including in groups or scenes.

Wireless switch, programmable

Wireless remote control, eight programmable buttons

868.3 MHz HomeMatic BidCoS

Material
Plastic

Type	Item number
Switch	60-626-11-21 *
Remote control	60-627-11-21 *

* New in the range

12. DALI



DALI CONVERTER

Suitable for suspended ceilings and installation boxes

As an actuator, allows for control of one or more DALI-compatible SMART.POINT luminaires

41 x 28 x 14 mm

Material
Plastic



Type	Item number
DALI converter	60-311-10-00



PHASE

PERFORMANCE

IS THE NAME OF THE

GAME HERE.

PHASE is a three-phase 230 volt track system with a functional design. The high quality aluminium profile track is primarily used for straight line lighting concepts. Thanks to the multitude of combination possibilities for pooled or flat lighting of surfaces and objects to be highlighted, PHASE is particularly recommended for use in the retail sector, in public buildings and conferences, and in galleries and sacred buildings.

PHASE system luminaires are offered with a variety of lighting technologies. Both LED and halogen luminaires are available to choose from.

Both 24 volt and 12 volt OLIGO system luminaires can be used in existing track systems in the Euro format thanks to the SMART.POINT or PLUG-IN adapter.

Through configuration to the adapter, the luminaires are allocated to the individual circuits and allow for the design of a variety of light scenes.

The 24 volt SMART.POINT luminaires can also be integrated into a centrally controllable lighting system using a DALI-compatible adapter.

CONTENTS	PAGE
System luminaires	130
Adapters	190
System components	192
Lamps	463
Lamp accessories	473

PHASE

LUMINAIRE OVERVIEW

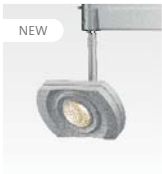
3-Phase high voltage track system

LED LUMINAIRES

Spotlights / ambient lights



WALKER
Page 130



NEWTON
Page 132



SENTRY PRO
Page 134



SENTRY
Page 136



AVIATION PRO
Page 138



AVIATION
Page 140



RIDGE MAX
Page 142



RIDGE
Page 143



A LITTLE BIT MORE
Page 144



A LITTLE BIT
Page 146



HUBBLE
Page 148



KELVEEN
Page 150



VERSIO
Page 154



41 DEGREES
Page 171



FLAVIA
Page 172

Pendant luminaires



DECENT
Page 177



A LITTLE BIT
Page 179



BOURBON
Page 181

LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights /
ambient lights



LIGHT DECK
Page 157



TWIN LANE
Page 160



LEVEL
Page 161



ICE
Page 163



GATE B SEVEN
Page 165



HIGH STREAM 16
Page 167



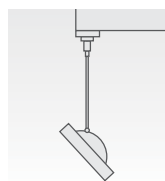
GATE B FOUR
Page 169



MX-HIGH
Page 170



HIGH FLIGHT
Page 175



PLUG-IN
Adapter page 191
Luminaires from page 337

Pendant luminaires



GRACE
Page 183



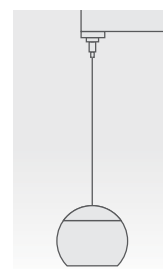
SIR GATSBY
Page 185



PULL-IT 3
Page 187



DONATA
Page 189

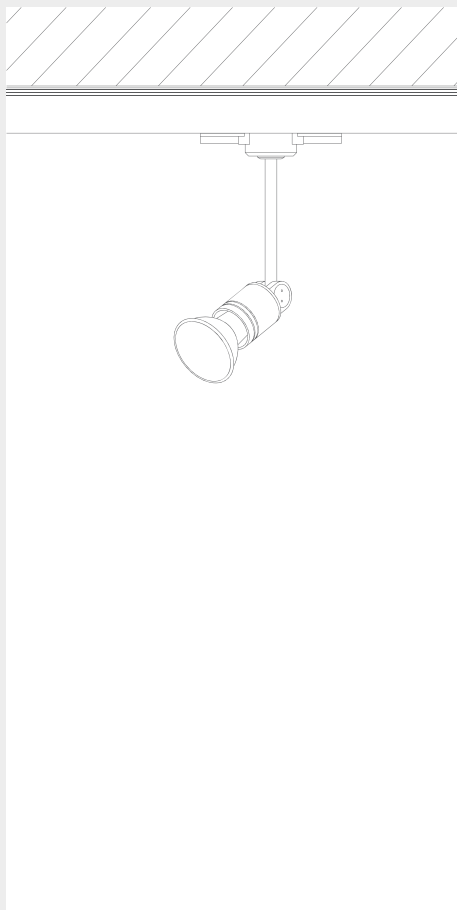


PLUG-IN
Adapter page 191
Luminaires from page 337

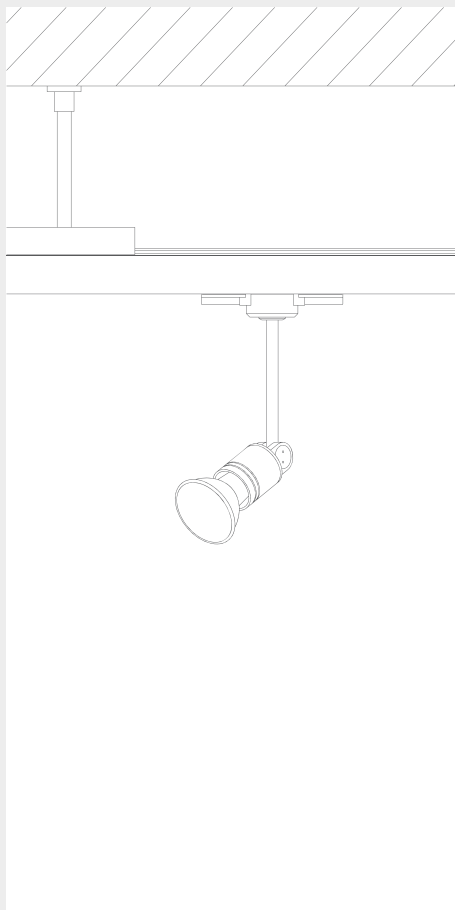
PHASE

VERSATILE OPPORTUNITIES

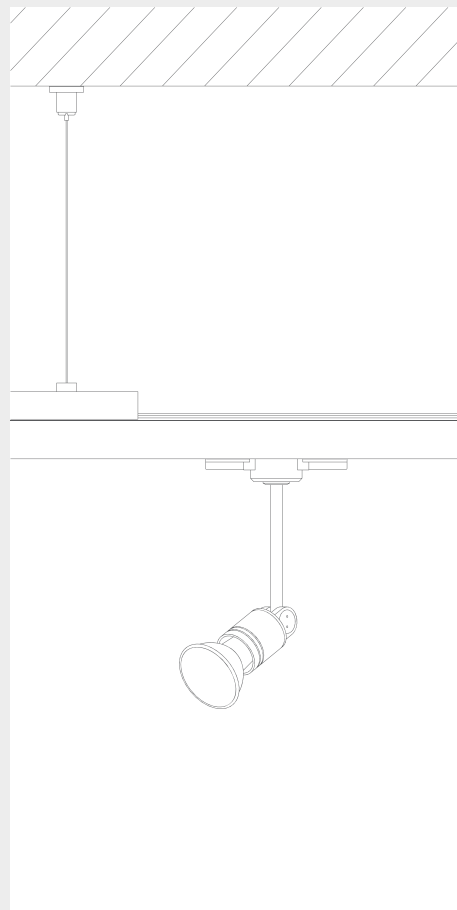
INSTALLATION
flush with the ceiling



INSTALLATION
with supports



INSTALLATION
suspended



INSTALLATION OPTIONS

PHASE is a tried and tested, high performance 230 volt track system which is based on track components from Eutrac.

The 5-cable surface mounted track for three circuits comprises an extruded aluminium profile and two PVC support profiles with two embedded 2.5 mm²

copper cables each, three separate switchable circuits, protective earth through the aluminium profile. On-site length adjustment can be done with no problem through simple sawing.

There is no need to cut back or bend the copper cable. The track has pre-punched mount-

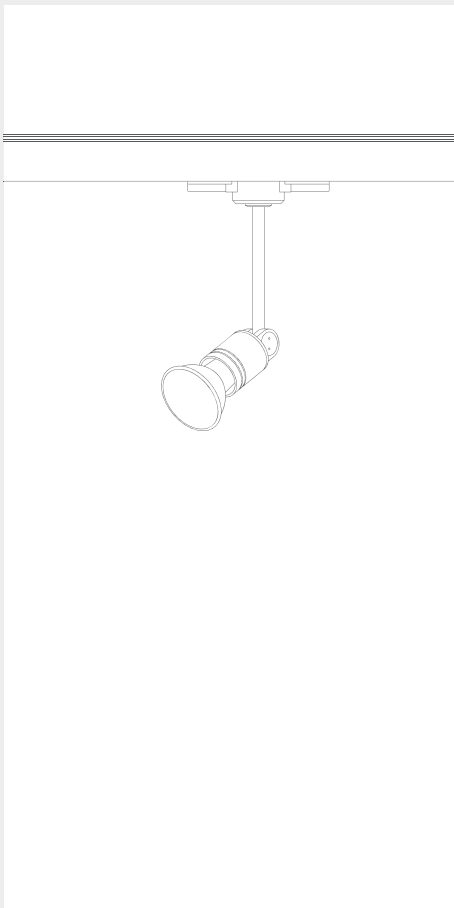
ing slots and is approved for use within arm's reach.

PHASE can be installed flush to the ceiling, with a distance support and in suspended form. In particular, installation flush with the ceiling creates a homogeneous transition from the ceiling to the lighting system.

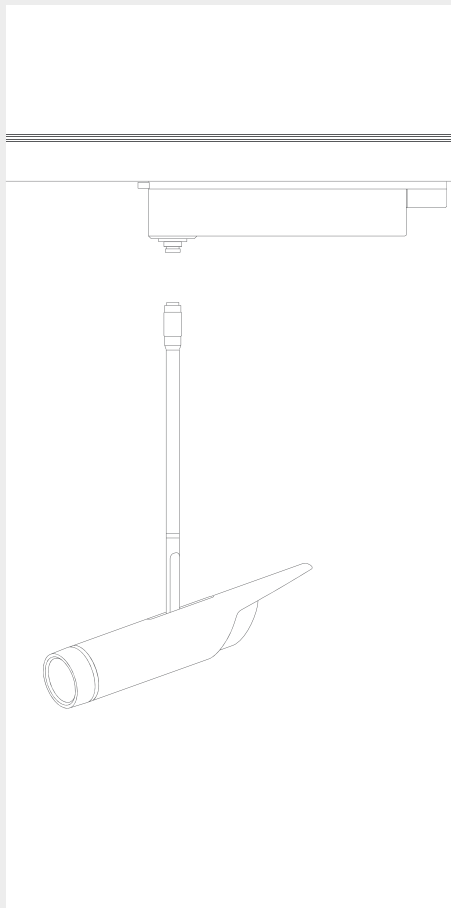
PHASE

COMBINING AND EXPANDING

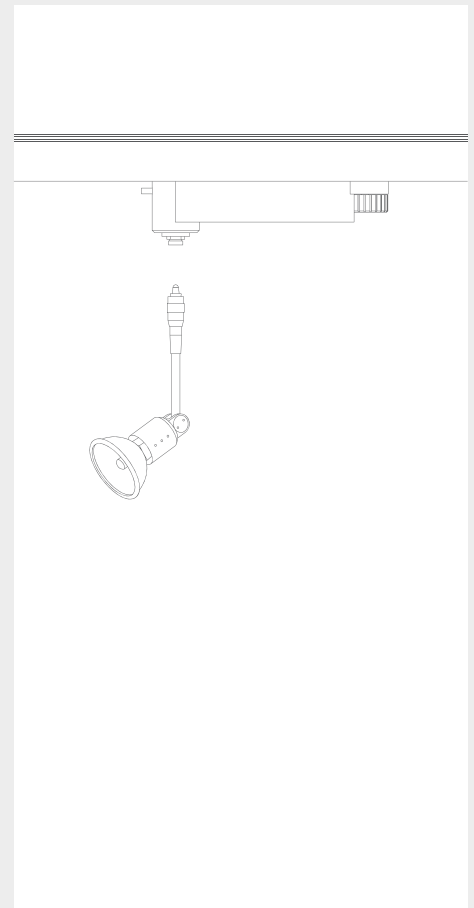
ADAPTER
integrated



ADAPTER
24 V plug connection system
SMART.POINT



ADAPTER
12 V plug connection system
PLUG-IN



LARGE SELECTION OF LUMINAIRES

PHASE system luminaires are equipped with a fixed universal three-phase adapter in the factory. The luminaires are attached to the busbar by means of clamp fastening and can be repositioned in just a few simple steps.

Using a system adapter, the entire selection of SMART.POINT 24 volt system luminaires is available to choose from.

An adapter with DALI converter is also available for integration of the SMART.POINT 24 volt system luminaires into a centrally controllable lighting system.

Likewise, PLUG-IN 12 volt system luminaires can be integrated into the system with no problem using the PHASE-IN adapter.

DALI

DIGITAL LIGHTING CONTROL USING WIRED COMPONENTS

TRIED AND TESTED INTERFACE STANDARD

DALI is a tried and tested international interface standard for digital lighting control. It lends itself to use for professional lighting control in commercial and public spaces.

A poleable two-wire cable which can simply be laid with the normal power supply is sufficient for installation. The open interface standard defines bidirectional communication between control units and up to 64 individual addressable electrical operating units, from any manufacturer. It is thus possible to configure scalable lighting systems.

INTEGRATION INTO BUILDING TECHNOLOGY

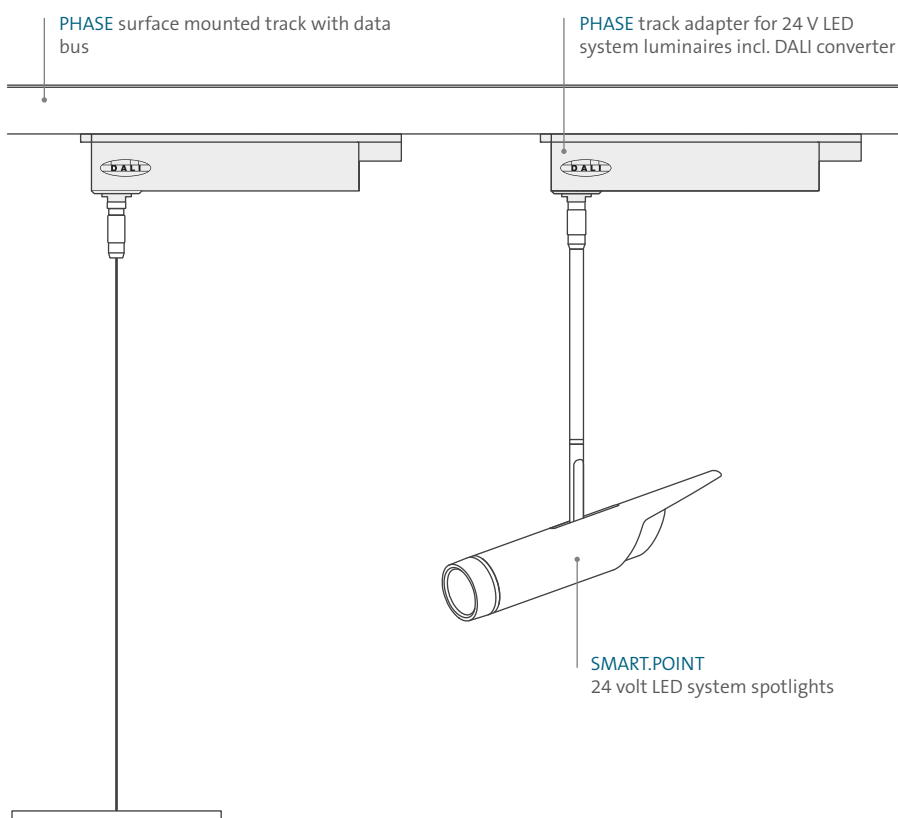
The system allows for extensive configuration modifications without having to subsequently interfere with the existing electrical installation. Complex lighting scenarios, such as test, status and maintenance queries, can likewise be realised using DALI.

In addition, integration of the lighting control system into higher building management systems is also possible.

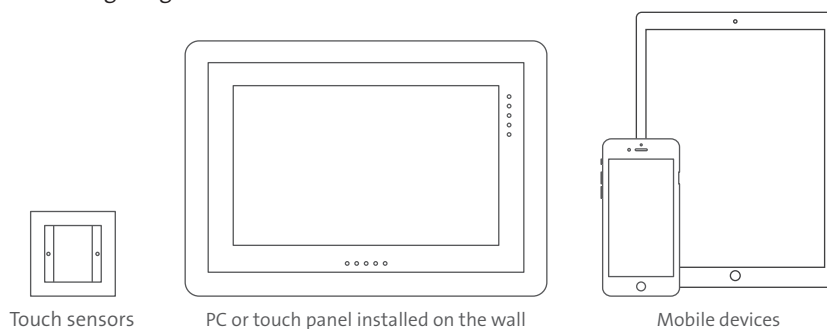
Detailed information about DALI can be found at

➞ www.dali-ag.org

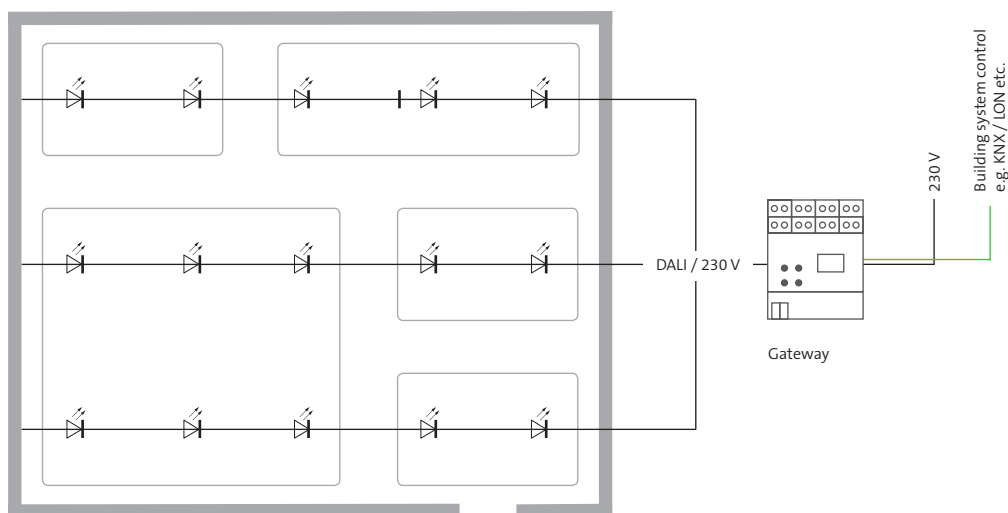
DALI track adapter
for PHASE



Devices for lighting control



DALI lighting control



FLEXIBLE INDIVIDUAL OR GROUP CONTROL

24 volt LED system luminaires with DALI interfaces can be addressed flexible, i.e. they can be controlled individually but can also belong to one or more groups. In addition, there is clearly increased functionality since they are able, among other things, to save information for various light scenes or reach target dimming values at the same time as all other devices.

A crucial advantage for planning results from the possibility of assigning light groups independently of the wiring. In a new build, all cables can therefore be laid in the ceiling even if the exact floor plan has not yet been defined.

If a floor plan is subsequently changed then the light groups simply need to be reconfigured in the system.

LIGHT SCENES

Pre-programmed lighting moods in which many different luminaires complement each other to produce an overall look can be called up with the touch of a finger. Effects can also be part of light scenes, so that not only static but also dynamic lighting moods can be created.

WALKER

The bright WALKER reflector spotlight convinces with a luminous flux of 2,000 lumen and, thanks to the three-pole pin, is suitable for digital lighting control systems. With two light distribution characteristics and modern design, WALKER puts the topic of luminaire design in a contemporary context and is perfectly suited for designing creative shop fitting and office concepts.

Design: Böhler Design

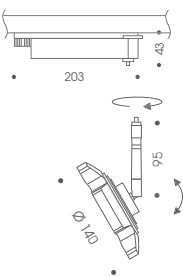


FEATURES

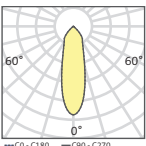
- Spotlight
Rotatable / swivelling
High performance reflector
- Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196
- Output data
24 V DC / LED / 3000 or 4000 K / 2000 lm / 17.8 W / 25° or 45° / CRI >80
Energy efficiency class: A+
- Material
Aluminium
- Weight
0.7 kg

TECHNICAL INFORMATION

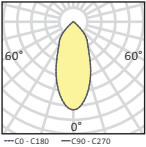
Order adapters separately



Light distribution



25°		
h (m)	Ø (m)	Lux
1	0.54	3787
2	1.10	947
3	1.60	421



45°		
h (m)	Ø (m)	Lux
1	0.83	2514
2	1.70	628
3	2.50	279

LED
INTEGRIERT



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT 3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-862-12-06 *
					Matt white	20-862-12-21 *
					Matt black	20-862-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-862-13-06 *
					Matt white	20-862-13-21 *
					Matt black	20-862-13-23 *

Adapters: Page 190

* New in the range

PRODUCT 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-862-16-06 *
					Matt white	20-862-16-21 *
					Matt black	20-862-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-862-17-06 *
					Matt white	20-862-17-21 *
					Matt black	20-862-17-23 *

Adapters: Page 190

* New in the range

NEWTON

The high performance reflector, coordinated in-house with the LED light source shields the spotlight and at the same time defines the softly sketched light scene. With a 2,000 lumen luminous flux at a power consumption of 17.8 watts, NEWTON offers a bright, efficient lighting solution for product presentation. The rotatable and swivelling spotlights, with light distribution characteristics of 25° and 45° and light colours of 3,000 K and 4,000 K, allow for a multitude of options for the modulation of presentation areas.

Design: Böhler Design



NEWTON

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with DALI components
for integration into building auto-
mation systems: Pages 190, 196

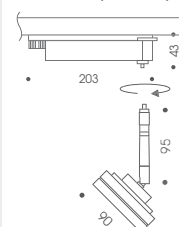
Output data
24 V DC / LED / 3000 or 4000 K /
2000 lm / 17.8 W / 25° or 45° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

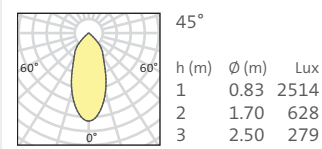
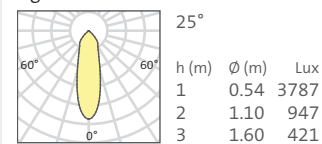
Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT 3000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	3000	17.8	25°	Matt chrome	20-860-12-06 *
					Matt white	20-860-12-21 *
					Matt black	20-860-12-23 *
LED	2000	3000	17.8	45°	Matt chrome	20-860-13-06 *
					Matt white	20-860-13-21 *
					Matt black	20-860-13-23 *

Adapters: Page 190

* New in the range

PRODUCT 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	2000	4000	17.8	25°	Matt chrome	20-860-16-06 *
					Matt white	20-860-16-21 *
					Matt black	20-860-16-23 *
LED	2000	4000	17.8	45°	Matt chrome	20-860-17-06 *
					Matt white	20-860-17-21 *
					Matt black	20-860-17-23 *

Adapters: Page 190

* New in the range

SENTRY PRO

The SENTRY PRO LED spotlight is businesslike in form, impressive in output. The cylindrical luminaire body, made from aluminium, surrounds a 1,400 lumen LED and is connected to the adapter by a joint which tilts and swivels. Reflectors optimised for the spotlight allow for a particularly homogeneous light mix.

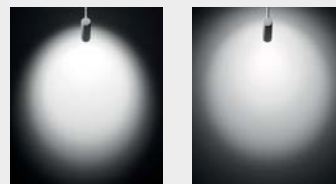
SENTRY PRO is particularly suitable for professional use in the retail sector, in galleries and exhibitions and in combination with modern architecture.

Design: OLIGO



SENTRY PRO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

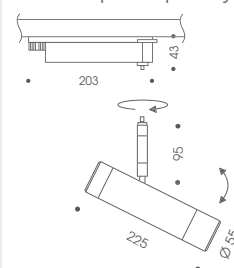
Output data
24 V DC / LED / 3500 or 4000 K /
1400 lm / 15,7 W / 22° or 40° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

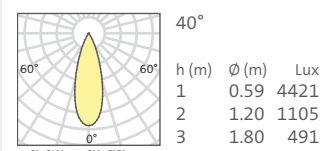
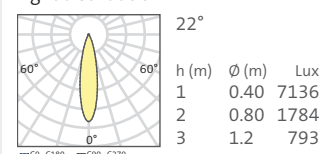
Weight
1.3 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



PRODUCT 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1400	3500	15.7	22°	Matt chrome	20-867-22-06
					Matt white	20-867-22-21
					Matt black	20-867-22-23
LED	1400	3500	15.7	40°	Matt chrome	20-867-23-06
					Matt white	20-867-23-21
					Matt black	20-867-23-23

Adapters: Page 190

PRODUCT 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1400	4000	15.7	22°	Matt chrome	20-867-24-06
					Matt white	20-867-24-21
					Matt black	20-867-24-23
LED	1400	4000	15.7	40°	Matt chrome	20-867-25-06
					Matt white	20-867-25-21
					Matt black	20-867-25-23

Adapters: Page 190

SENTRY

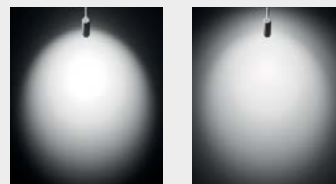
The SENTRY LED spotlight presents itself with a slim, cylindrical shape. The luminaire body has a luminous flux of 1,150 lumen and can be directed as desired using a joint which tilts and swivels. The high performance reflector, developed in-house for the spotlight, provides a homogeneous light mix across the entire spectrum. With its timeless

design, the spotlight is perfectly suited to use in modern shopping worlds and exhibitions.

Design: OLIGO



SENTRY

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

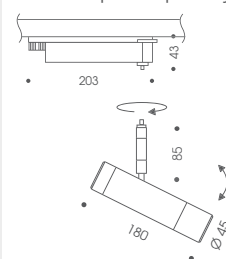
Output data
24 V DC / LED / 3500 or 4000 K /
1150 lm / 13.9 W / 26° or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

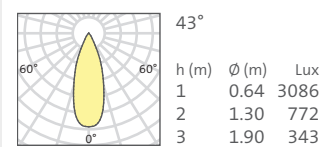
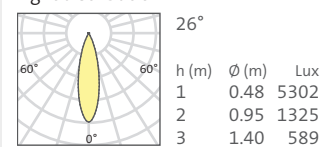
Weight
0.7 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT
3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	3500	13.9	26°	Matt chrome	20-867-12-06
					Matt white	20-867-12-21
					Matt black	20-867-12-23
LED	1150	3500	13.9	43°	Matt chrome	20-867-13-06
					Matt white	20-867-13-21
					Matt black	20-867-13-23

Adapters: Page 190

PRODUCT
4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1150	4000	13.9	26°	Matt chrome	20-867-14-06
					Matt white	20-867-14-21
					Matt black	20-867-14-23
LED	1150	4000	13.9	43°	Matt chrome	20-867-15-06
					Matt white	20-867-15-21
					Matt black	20-867-15-23

Adapters: Page 190

AVIATION PRO

AVIATION PRO recognisably leans on aeronautics in its design. With a luminous flux of up to 1350 lumen and a brilliant light scene, the LED spotlight is recommended for professional use in a commercial environment and decorative public interiors. Two rod lengths and light distribution characteristics allow for a wide variety of planning

options. With a power consumption of 13.9 watt, the AVIATION PRO stands out as a modern design showpiece with impressive energy efficiency and outstanding temperature management.

Design: Böhler Design

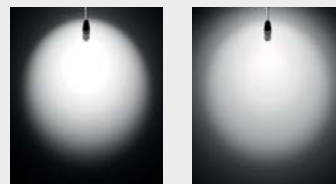


AVIATION PRO

PRODUCT						
155 mm / 3500 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-14-06
					Matt white	20-875-14-21
					Matt black	20-875-14-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-15-06
					Matt white	20-875-15-21
					Matt black	20-875-15-23
Adapters: Page 190						

PRODUCT						
230 mm / 3500 K						
Type	lm	K	W	Angle	Colour	Item number
LED	1350	3500	13.9	26°	Matt chrome	20-875-24-06
					Matt white	20-875-24-21
					Matt black	20-875-24-23
LED	1300	3500	13.9	43°	Matt chrome	20-875-25-06
					Matt white	20-875-25-21
					Matt black	20-875-25-23
Adapters: Page 190						

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
155 or 230 mm rod

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

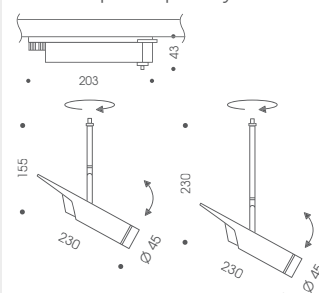
Output data
24 V / LED / 3500 or 4000 K /
1350 or 1300 lm / 13.9 W /
26° or 43° / CRI >80
Energy efficiency class: A+

Material
Aluminium

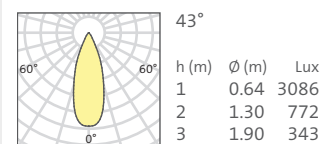
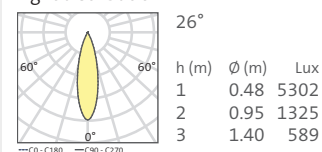
Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome

Matt white

Matt black

PRODUCT

155 mm / 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1350	4000	13.9	26°	Matt chrome	20-875-16-06
					Matt white	20-875-16-21
					Matt black	20-875-16-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-17-06
					Matt white	20-875-17-21
					Matt black	20-875-17-23

Adapters: Page 190

PRODUCT

230 mm / 4000 K

Type	lm	K	W	Angle	Colour	Item number
LED	1350	4000	13.9	26°	Matt chrome	20-875-26-06
					Matt white	20-875-26-21
					Matt black	20-875-26-23
LED	1300	4000	13.9	43°	Matt chrome	20-875-27-06
					Matt white	20-875-27-21
					Matt black	20-875-27-23

Adapters: Page 190

AVIATION

The AVIATION is optically a little smaller than its big brother, but just as elegant. With a luminous flux of 700 lumen and an excellent light scene with soft light distribution, the LED spotlight is primarily suitable for use in private living areas. In commercial lighting concepts too, the spotlight offers sufficient light output for convincing stag-

ing. There are two rod lengths and light distribution characteristics available to choose from for detailed lighting planning. The high performance reflector is determined in-house for the particularly balanced light scene.
Design: Böhler Design

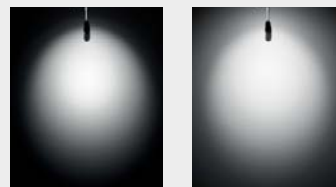


AVIATION

PRODUCT						
155 mm / 3000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-10-06
					Matt white	20-875-10-21
					Matt black	20-875-10-23
LED	700	3000	8.4	41°	Matt chrome	20-875-11-06
					Matt white	20-875-11-21
					Matt black	20-875-11-23
Adapters: Page 190						

PRODUCT						
230 mm / 3000 K						
Type	lm	K	W	Angle	Colour	Item number
LED	700	3000	8.4	23°	Matt chrome	20-875-20-06
					Matt white	20-875-20-21
					Matt black	20-875-20-23
LED	700	3000	8.4	41°	Matt chrome	20-875-21-06
					Matt white	20-875-21-21
					Matt black	20-875-21-23

Adapters: Page 190

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
155 or 230 mm rod lengths

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

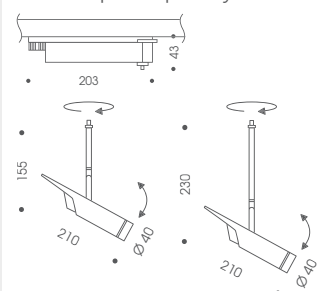
Output data
24 V / LED / 3000 or 3500 K /
700 lm / 8.4 W / 23° or 41° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

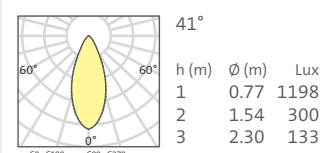
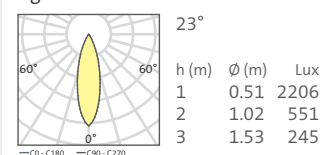
Weight
0.5 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT
155 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3500	8.4	23°	Matt chrome	20-875-12-06
					Matt white	20-875-12-21
					Matt black	20-875-12-23
LED	700	3500	8.4	41°	Matt chrome	20-875-13-06
					Matt white	20-875-13-21
					Matt black	20-875-13-23

Adapters: Page 190

PRODUCT
230 mm / 3500 K

Type	lm	K	W	Angle	Colour	Item number
LED	700	3500	8.4	23°	Matt chrome	20-875-22-06
					Matt white	20-875-22-21
					Matt black	20-875-22-23
LED	700	3500	8.4	41°	Matt chrome	20-875-23-06
					Matt white	20-875-23-21
					Matt black	20-875-23-23

Adapters: Page 190

RIDGE MAX

A distinctive heat sink characterises the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light colours and light distribution characteristics available to choose from for lighting planning. Design: OLIGO



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

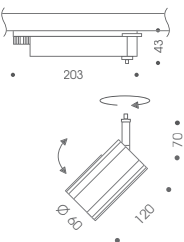
Output data
24 V DC / LED / 3500 or 4000 K /
1200 lm / 13.9 W / 26° or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

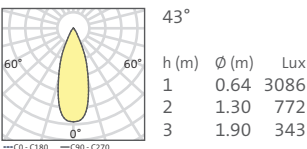
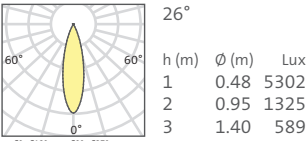
Weight
0.5 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



PRODUCT 3500 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-11-06
				Chrome	Matt white	20-881-10-21
				Matt white	Matt white	20-881-12-21
				Chrome	Matt black	20-881-10-23
				Matt black	Matt black	20-881-13-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-31-06
				Chrome	Matt white	20-881-30-21
				Matt white	Matt white	20-881-32-21
				Chrome	Matt black	20-881-30-23
				Matt black	Matt black	20-881-33-23

Adapters: Page 190

PRODUCT 4000 K

Type	lm	W	Angle	Rod colour	Body colour	Item number
LED	1200	13.9	26°	Matt chrome	Matt chrome	20-881-21-06
				Chrome	Matt white	20-881-20-21
				Matt white	Matt white	20-881-22-21
				Chrome	Matt black	20-881-20-23
				Matt black	Matt black	20-881-23-23
LED	1200	13.9	43°	Matt chrome	Matt chrome	20-881-41-06
				Chrome	Matt white	20-881-40-21
				Matt white	Matt white	20-881-42-21
				Chrome	Matt black	20-881-40-23
				Matt black	Matt black	20-881-43-23

Adapters: Page 190

RIDGE

The design of the delicate RIDGE spotlight is also characterised by cooling ribs around the circumference. The high quality luminaire head, made from aluminium, can be rotated and swivelled. With a luminous flux of 550 lumen, RIDGE is ideal for use in living spaces, for example in studies, hallways or modern living and dining rooms. Design: OLIGO



LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

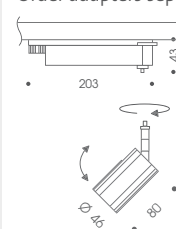
Output data
24 V DC / LED / 3000 K / 550 lm /
8 W / 41° / CRI >80
Energy efficiency class: A+

Material
Aluminium

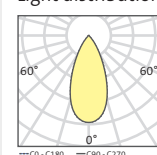
Weight
0.2 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



h (m)	Ø (m)	Lux
1	0.85	708
2	1.71	177
3	2.56	79

COLOURS



Matt chrome /
Matt chrome



Matt white /
Matt white



Chrome /
Matt black

PRODUCT

Luminaire

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Matt chrome	Matt chrome	20-889-12-06
				Matt white	Matt white	20-889-10-21
				Chrome	Matt white	20-889-11-21
				Matt chrome	Matt white	20-889-12-21
				Chrome	Matt black	20-889-11-23

Adapters: Page 190

A LITTLE BIT MORE

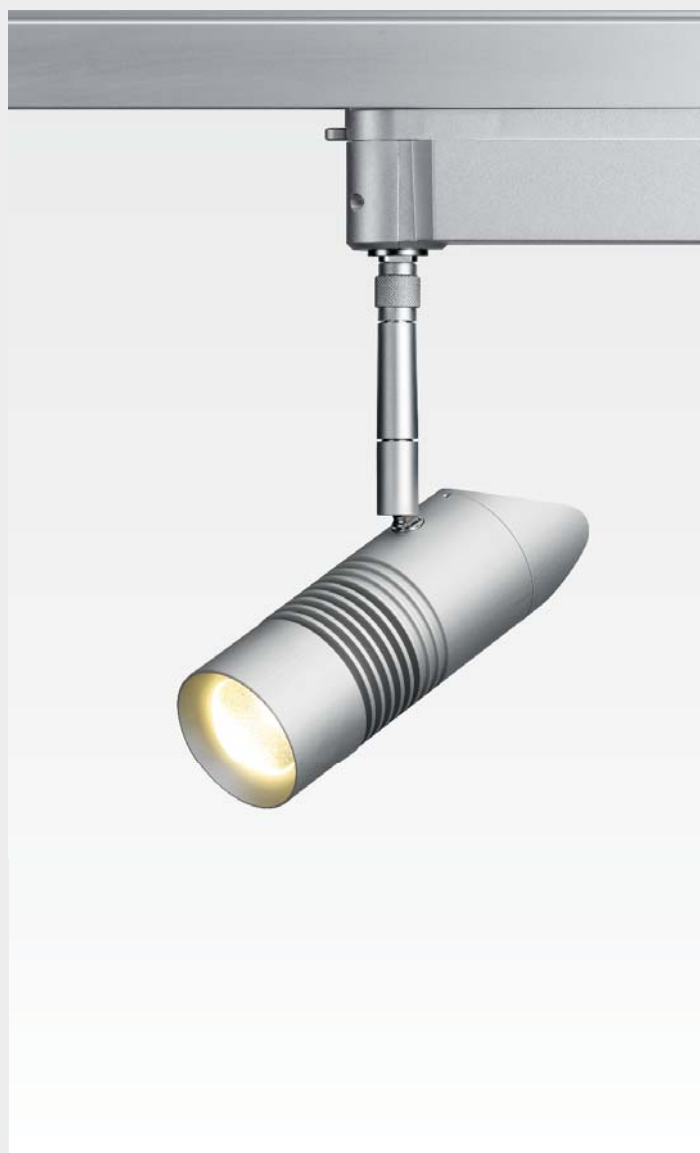
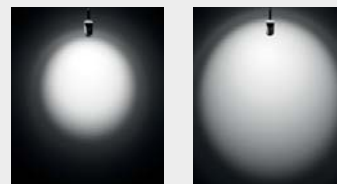
The A LITTLE BIT MORE LED spotlight offers outstanding lighting technology with individually definable light distribution characteristics. With a luminous flux of 1,100 and 3,500 or 4,000 kelvin, the spotlight is intended for use in shops and property. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass

lens. For harmonious light distribution, the high quality lens body is finished separately with a micro texture on the inside.

Design: OLIGO



A LITTLE BIT MORE

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable
between 20° and 60°

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

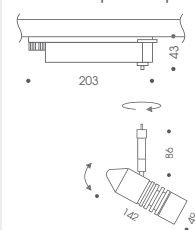
Output data
24 V DC / LED / 3500 or 4000 K /
1100 lm / 11 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

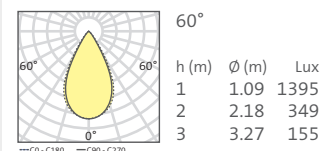
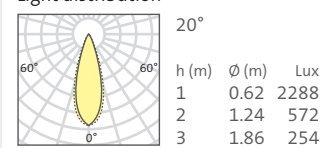
Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS

Chrome /
ChromeMatt chrome /
Matt chromeMatt white /
Matt whiteChrome /
Matt blackPRODUCT
3500 K

Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-10-05
			Matt chrome	Matt chrome	20-882-11-06
			Chrome	Matt white	20-882-10-21
			Matt white	Matt white	20-882-12-21
			Chrome	Matt black	20-882-10-23
			Matt black	Matt black	20-882-13-23

Adapters: Page 190

PRODUCT
4000 K

Type	lm	W	Rod colour	Body colour	Item number
LED	1100	11	Chrome	Chrome	20-882-30-05
			Matt chrome	Matt chrome	20-882-31-06
			Chrome	Matt white	20-882-30-21
			Matt white	Matt white	20-882-32-21
			Chrome	Matt black	20-882-30-23
			Matt black	Matt black	20-882-33-23

Adapters: Page 190

A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology, the qualities of which can be determined by means of a continuously adjustable lens.

Different rod lengths also allow for different distances from the ceiling. A system pendant luminaire matching this spotlight design is also available.

Design: OLIGO



A LITTLE BIT

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
60 or 140 mm rod
Beam angle continuously adjustable
between 20° and 60°

Lighting control and dimming
Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

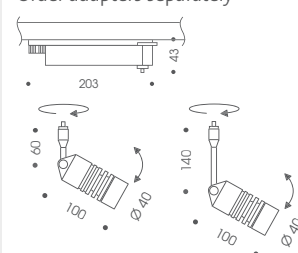
Output data
24 V DC / LED / 3000 K / 550 lm /
8 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

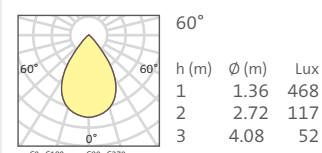
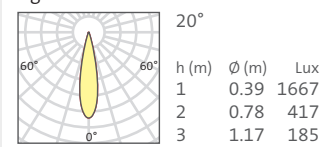
Weight
0.3 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS AND VARIANTS



Chrome /
60 mm

Matt chrome /
60 mm

Chrome /
140 mm

Matt chrome /
140 mm

PRODUCT

60 mm rod

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-22-05
				Matt chrome	Matt chrome	20-898-22-06

Adapters: Page 190

PRODUCT

140 mm rod

Type	lm	K	W	Rod colour	Body colour	Item number
LED	550	3000	8	Chrome	Chrome	20-898-32-05
				Matt chrome	Matt chrome	20-898-32-06

Adapters: Page 190

HUBBLE

The HUBBLE LED spotlight is a suitable inspiration if high quality materials and an elegant appearance are required. The rotatable and swivelling spotlight can also be aligned as a downlight in a harmonious extension of its blade. HUBBLE stands out with its luminous flux of 700 lumen while at the same time having a compact design.

The beam angle can be set as desired between 20° and 50° thanks to the internal, manually adjustable focus. HUBBLE is available with light colours of 3,000 or 3,500 kelvin and is suitable for use in property and living space. Design: Böhler Design



FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 50°

Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196

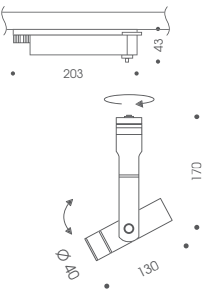
Output data
24 V DC / LED / 3000 or 3500 K / 700 lm / 10.5 W / CRI >80
Energy efficiency class: A

Material
Aluminium, glass lens

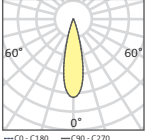
Weight
0.8 kg

TECHNICAL INFORMATION

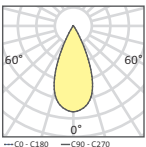
Order adapters separately



Light distribution

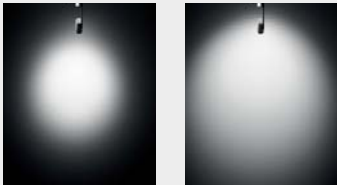


20°			
h (m)	Ø (m)	Lux	
1	0.47	1680	
2	0.93	420	
3	1.40	187	

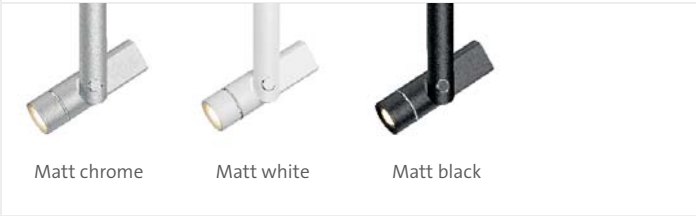


50°			
h (m)	Ø (m)	Lux	
1	0.83	926	
2	1.67	232	
3	2.50	103	

LED
INTEGRIERT



COLOURS



PRODUCT
3000 K

Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	20-872-11-06
			Matt white	20-872-11-21
			Matt black	20-872-11-23

Adapters: Page 190

PRODUCT
3500 K

Type	lm	W	Body colour	Item number
LED	700	10.5	Matt chrome	20-872-12-06
			Matt white	20-872-12-21
			Matt black	20-872-12-23

Adapters: Page 190

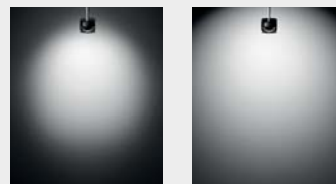
KELVEEN

A striking feature of KELVEEN is the high quality glass lens which is available with two beam angles as a spotlight (40°) or floodlight (90°). In combination with the freely movable luminaire head, KELVEEN can be individually adjusted to suit the actual lighting requirements.

The lighting effect can be creatively expanded using dichroic filters which can be inserted.

Design: OLIGO



LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
Glass lens with a beam angle of 40° or 90°

Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196

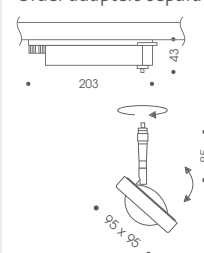
Output data
24 V DC / LED / 3000 or 3500 K /
1150 lm / 12.5 W / 40° or 90° /
CRI >80
Energy efficiency class: A+

Material
Thermoplastic, aluminium, glass

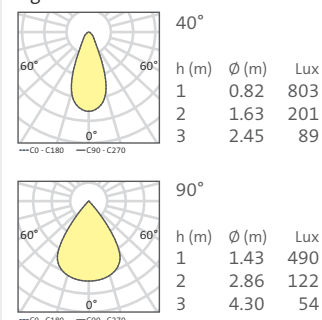
Weight
0.4 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution

PRODUCT
3000 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-10-06
				Matt white	20-869-10-21
				Matt black	20-869-10-23
LED	1150	12.5	90°	Matt chrome	20-869-11-06
				Matt white	20-869-11-21
				Matt black	20-869-11-23

Adapters: Page 190

PRODUCT
3500 K

Type	lm	W	Angle	Body colour	Item number
LED	1150	12.5	40°	Matt chrome	20-869-12-06
				Matt white	20-869-12-21
				Matt black	20-869-12-23
LED	1150	12.5	90°	Matt chrome	20-869-13-06
				Matt white	20-869-13-21
				Matt black	20-869-13-23

Adapters: Page 190

COLOURS



Matt chrome

Matt white

Matt black

ACCESSORIES

Dichroic filter

Size (mm)	Colour	Item number
Ø 50	Red	62-222-10-24
	Yellow	62-222-10-33
	Green	62-222-10-35
	Blue	62-222-10-37
	Magenta	62-222-10-46

VERSIO





VERSIO

VERSIO is a high quality LED spotlight for sophisticated lighting solutions. Its possible applications include retail, industrial spaces, art and culture. Developed in-house, the reflectors allow for optimal lighting of display products and exhibits as well as precise accentu-

ation of selected architectural areas. The spotlight stands out with a well balanced light scene which disperses softly to the edges and ensures a homogeneous lighting effect right across the colour spectrum.



VERSIO

VERSIO is available with a variety of outputs and light distribution characteristics (flood and spot).

Design: OLIGO

LED
INTEGRIERT



FEATURES

Spotlight
Rotatable / swivelling

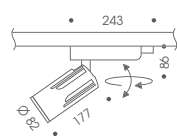
Output data
230 V / 50-60 Hz / LED / 3000 K /
2000 lm / 26 W / 24 or 40° /
CRI >80
Energy efficiency class: A

230 V / 50-60 Hz / LED / 3000 K /
3000 lm / 28 W / 24 or 40° /
CRI >80
Energy efficiency class: A+

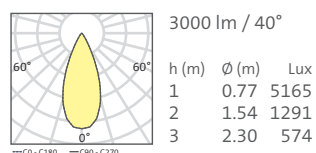
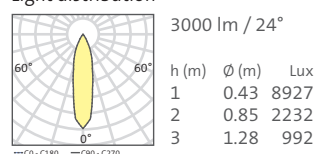
Material
Aluminium

Weight
1.5 kg

TECHNICAL INFORMATION



Light distribution



COLOURS



PRODUCT

Luminaire

Type	lm	K	W	Colour	Item number
LED	2000	3000	26	Matt chrome	32-888-11-06
				Matt white	32-888-11-21
				Matt black	32-888-11-23
LED	3000	3000	28	Matt chrome	32-888-12-06
				Matt white	32-888-12-21
				Matt black	32-888-12-23

Order reflectors separately

PRODUCT

Reflector

Angle	Colour	Item number
24°	Matt chrome	62-121-10-06
	Matt white	62-121-10-21
	Matt black	62-121-10-23
40°	Matt chrome	62-121-11-06
	Matt white	62-121-11-21
	Matt black	62-121-11-23



LIGHT DECK

LIGHT DECK

LIGHT DECK is an elegant luminaire with dynamic styling. The gimbal-mounted luminaire heads can be rotated and swivelled in all directions and their positioning is therefore highly versatile. The combination of bright chrome and matt white powdered surfaces gives the luminaire a modern, timeless design.

Other models are available in matt chrome and matt white. LIGHT DECK can be operated with high voltage reflector lamps as well as with LED retrofit lamps.

Design: OLIGO

LED
READY



Retrofit lamp

FEATURES

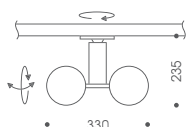
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 111 /
max. 2x 75 W
Energy efficiency class: A++ to D

Material
Aluminium

Weight
0.7 kg

TECHNICAL INFORMATION



COLOURS



Matt chrome /
Matt chrome



Matt white /
Chrome



Matt white /
Matt white

PRODUCT

Type	W	Body colour	Shade colour	Item number
GZ 10 / QPAR 111	max. 2x 75	Matt chrome	Matt chrome	32-865-21-06 *
		Matt white	Chrome	32-865-20-21 *
		Matt white	Matt white	32-865-22-21 *

Lamps from page 463

* New in the range

TWIN LANE





TWIN LANE

Circular shapes and a symmetrical base structure define the design of the TWIN LANE spotlight. The spotlight heads are gimbal-mounted so that almost any point in the room can be lit. Alongside the modest shapes, the luminaire offers high operational reliability since the thermal separation between the luminaire head and the upstream transformer has been taken into account in a separate housing. TWIN LANE is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: OLIGO

LED
READY



Retrofit lamp

FEATURES

Spotlight
Rotatable / gimballed luminaire heads

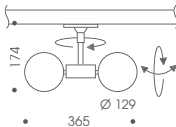
Output data
230 V / 50-60 Hz / 12 V / G 53 / QR-LP 111 / max. 2x 35 W
Energy efficiency class: A to C

230 V / GZ 10 / QPAR 111 / max. 2x 75 W
Energy efficiency class: A++ to E


Material
Aluminium

Weight
0.8 kg

TECHNICAL INFORMATION



COLOURS



Matt chrome Matt white

PRODUCT

Luminaire

Type	W	Colour	Item number
G 53 / QR-LP 111	max. 2x 35	Matt chrome	32-866-20-06
		Matt white	32-866-21-21
GZ 10 / QPAR 111	max. 2x 75	Matt chrome	32-866-10-06
		Matt white	32-866-11-21

Lamps from page 463

LEVEL

Balanced proportions and gimbal-mounted luminaire heads characterise the design of the LEVEL spotlights. They can move freely and can be positioned individually. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

LED
READY



Retrofit lamp

FEATURES

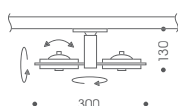
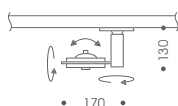
Spotlight
Rotatable / gimballed luminaire heads

Output data
230 V / GZ 10 / QPAR 111 /
max. 1x 75 W / max. 2x 75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.5 kg

TECHNICAL INFORMATION



COLOURS



Matt chrome

Matt white

PRODUCT

Luminaire

Type	W	Colour	Item number
GZ 10 / QPAR 111	max. 1x 75	Matt chrome	32-905-12-06
		Matt white	32-905-13-21
	max. 2x 75	Matt chrome	32-905-22-06
		Matt white	32-905-23-21

Lamps from page 463



ICE

ICE

The rotatable and swivelling luminaire head of the ICE spotlight allows for precise lighting of a wide variety of objects and surfaces, even from large distances. ICE is suitable for the use of halogen and LED retrofit lamps and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein



Retrofit lamp

LED
READY

FEATURES

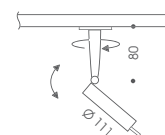
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 111 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.4 kg

TECHNICAL INFORMATION



ACCESSORIES



Matt chrome



Matt white

PRODUCT

Type	W	Adapter colour	Body colour	Item number
GZ 10 /	max. 75	Matt chrome	Matt chrome	32-916-10-06
QPAR 111		Matt white	Matt chrome	32-916-11-06
		Matt white	Matt white	32-916-11-21 *

Lamps from page 463

* New in the range



GATE B SEVEN

GATE B SEVEN

Compact dimensions in a technical and elegant design have made GATE B SEVEN a timeless classic in private and commercial halogen lighting in many countries. The spotlight is also suitable for the use of LED retrofits. The shape and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein



Retrofit lamp

LED
READY

FEATURES

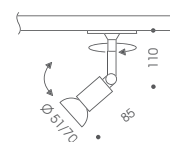
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 51/64
max. 50/75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.2 kg

TECHNICAL INFORMATION



ACCESSORIES



R 2 decorative ring



S 2 glass cap

PRODUCT

Type	W	Adapter colour	Body colour	Item number
GZ 10 /	max. 50/75	Matt chrome	Matt chrome	32-973-10-06
QPAR 51/64		Matt white	Matt chrome	32-973-11-06

Lamps from page 463, accessories from page 473



HIGH STREAM 16 / GRACE

HIGH STREAM 16

The design of the HIGH STREAM 16 looks both dynamic and elegant. The elaborately manufactured luminaire head made from aluminium surrounds the halogen lamp and gives the luminaire an aesthetic design. Fine surfaces in bright chrome or matt chrome round out the optical merits of HIGH STREAM 16. There is a subtle spike on the underside which can be used to adjust the luminaire, even during use.

Design: Ralf Keferstein



FEATURES

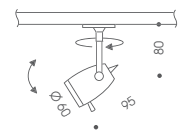
Spotlight
Rotatable / swivelling

Output data
230 V / GZ10 / QPAR 51 max. 50 W
“Cool beam” lamps not permissible
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.2 kg

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome

PRODUCT

Type	W	Adapter colour	Body colour	Item number
GZ 10 /	max. 50	Matt chrome	Chrome	32-968-10-05
QPAR 51		Matt white	Chrome	32-968-11-05
		Matt chrome	Matt chrome	32-968-10-06
		Matt white	Matt chrome	32-968-11-06

Lamps from page 463



GATE B FOUR

GATE B FOUR

Whether with or without glass accessories – the GATE B FOUR spotlight cuts a fine figure in any model. Three different, hand-blown glasses are available, among other things, shaping the light scene and design. The variant with the GZ 10 setting is also suitable for the use of LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

LED **ECO**
READY READY



FEATURES

Spotlight
Rotatable / swivelling

Output data
230 V / G 9 / QT-14
max. 75 W / ECO ready
Energy efficiency class: A++ to E

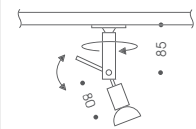
230 V / GZ 10 / QPAR 51/64
max. 50 / 75 W / LED ready
Energy efficiency class: A++ to E

Material
Aluminium, hand-blown glass

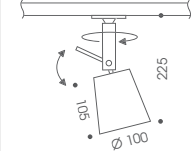
Weight
Luminaire: 0.2 kg
Glass shade: 0.5 kg

TECHNICAL INFORMATION

without accessories (GZ 10 only)



with glass shade



ACCESSORIES



Glass shade
Matt white

Glass shade
Champagne

Glass shade
Transparent

R 3 decorative ring

PRODUCT

Luminaire

Type	W	Adapter colour	Body colour	Item number
G 9 / QT 14	max. 75	Matt chrome	Matt chrome	32-904-20-06
		Matt white	Matt chrome	32-904-21-06
GZ 10 /	max. 50/75	Matt chrome	Matt chrome	32-904-10-06
QPAR 51/64		Matt white	Matt chrome	32-904-11-06

Lamps from page 463, accessories from page 473

PRODUCT

Accessories: Satin finished glass shade, compatible with G 9 setting

Colour	Item number
Matt white	94-904-10-21
Champagne	94-904-10-42

Accessories: Transparent glass shade, compatible with GZ 10 setting

Colour	Item number
Transparent	94-904-10-01

MX-HIGH

The rotatable and swivelling head of the MX-HIGH spotlight is characterised by a stainless steel bracket on the back. The slim body remains visually inconspicuous in the background and, in return, provides effective accent lighting for materials and objects. MX-HIGH is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The shape and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein



LED
READY

FEATURES

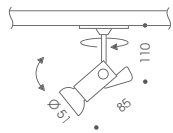
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.4 kg

TECHNICAL INFORMATION



ACCESSORIES



R 2 decorative ring



S 2 glass cap



Ø 100 mm shade

PRODUCT

Type	W	Adapter colour	Body colour	Item number
GZ 10 /	max. 50	Matt chrome	Matt chrome	32-958-10-06
QPAR 51		Matt white	Matt chrome	32-958-20-06

Lamps from page 463, accessories from page 473

PRODUCT

Ø 100 m shade accessory

Material	Colour	Item number
Metal	Matt chrome	62-214-10-06
Glass	Matt white	62-214-10-21

41 DEGREES

41 DEGREES is an extraordinary room light which redefines the design of light sources for extensive room lighting. It stands out with its clear, geometric shape. The flat luminaire body rests weightlessly as a concentric circular ring in the room. Its soft, warm white silhouette from the inner surface of the ring disseminates a pleasantly cosy lighting mood.

Design: Ottenwälder und Ottenwälder

LED
INTEGRIERT



FEATURES

Ambient light
Rotatable / swivelling

Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196

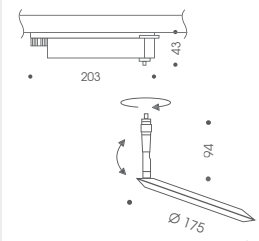
Output data
24 V DC / LED / 2700 or 3000 K /
600 lm / 11 W / CRI >80
Energy efficiency class: A

Material
Aluminium

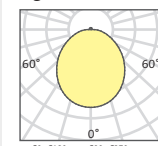
Weight
0.3 kg

TECHNICAL INFORMATION

Order adapters separately



Light distribution



COLOURS



Matt chrome



Matt white



Matt black

PRODUCT 2700 K

Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-10-06
			Matt white	20-871-10-21
			Matt black	20-871-10-23

Adapters: Page 190

PRODUCT 3000 K

Type	lm	W	Body colour	Item number
LED	600	11	Matt chrome	20-871-11-06
			Matt white	20-871-11-21
			Matt black	20-871-11-23

Adapters: Page 190

FLAVIA

Like a suspended work of art made of light, FLAVIA magically draws the eye. Thanks to the optionally open or closed prismatic lens, the actual light source remains invisible and the result is the impression of a glowing forest of leaves. With light colours of 2,700 and 3,000 kelvin, the delicate FLAVIA can be used both in private living space and in property.

Design: Ottenwälder und Ottenwälder



PRODUCT					
Open prismatic lens					
Type	lm	W	K	Body colour	Item number
LED	150	4.8	2700	Matt chrome	20-870-10-06
				Matt white	20-870-10-21
				Matt black	20-870-10-23
LED	150	4.8	3000	Matt chrome	20-870-12-06
				Matt white	20-870-12-21
				Matt black	20-870-12-23
Adapters: Page 190					

PRODUCT					
Closed prismatic lens					
Type	lm	W	K	Body colour	Item number
LED	200	4.8	2700	Matt chrome	20-870-11-06
				Matt white	20-870-11-21
				Matt black	20-870-11-23
LED	200	4.8	3000	Matt chrome	20-870-13-06
				Matt white	20-870-13-21
				Matt black	20-870-13-23
Adapters: Page 190					



LED
INTEGRIERT



FEATURES

Ambient light
Rotatable / swivelling

Lighting control and dimming
Non-dimmable

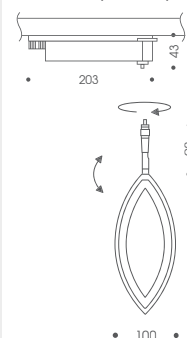
Output data
24 V DC / LED / 2700 or 3000 K /
100-200 lm / 4.8 W / CRI >80
Energy efficiency class: A

Material
Aluminium

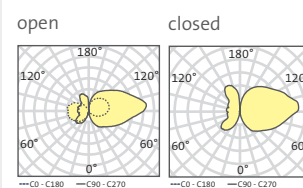
Weight
0.2 kg

TECHNICAL INFORMATION

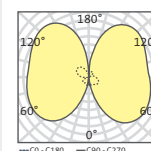
Order adapters separately



Light distribution



translucent



PRODUCT

Translucent prismatic lens

Type	lm	W	K	Body colour	Item number
LED	100	4.8	2700	Matt chrome	20-870-18-06
				Matt white	20-870-18-21
				Matt black	20-870-18-23
LED	100	4.8	3000	Matt chrome	20-870-19-06
				Matt white	20-870-19-21
				Matt black	20-870-19-23

Adapters: Page 190

COLOURS



Matt chrome



Matt white



Matt black



HIGH FLIGHT

HIGH FLIGHT

The HIGH FLIGHT luminaire is both a decorative lighting element and a room light with a fascinating light scene. The temperature-resistant dissipative film ensures soft and homogeneous general lighting. Today, HIGH FLIGHT is one of the best tested room lights for private and commercial lighting solutions.

Design: Ralf Keferstein



ECO
READY

FEATURES

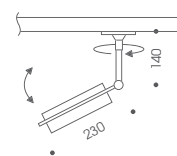
Ambient light
Rotatable / swivelling

Output data
230 V / B15d / QT 18 max. 100 W
Energy efficiency class: A+ to D

Material
Aluminium, temperature-resistant film

Weight
0.5 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Adapter colour	Body colour	Item number
B15d / QT 18	max. 100	Matt chrome	Matt chrome	32-969-10-06
		Matt white	Matt chrome	32-969-11-06

Lamps from page 463



DECENT

DECENT

DECENT is a flat, subtle LED pendant luminaire in the form of a disc. The evenly flat light radiating downwards is perfectly suited to lighting dining tables or counters. DECENT is controlled contactlessly. A memory function stores the last brightness value selected.

If the luminaire is integrated into a SMART.IQ or DALI application then the digital lighting control replaces the individual lighting control via gesture.

Design: OLIGO



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196

Contactless control
Memory function: Last light brightness value used is saved

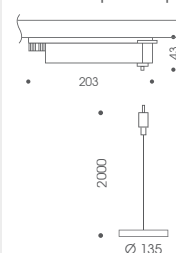
Output data
24 V DC / LED / 2700 K / 750 lm / 8.7 W / CRI >80
Energy efficiency class: A+

Material
Metal, acrylic glass

Weight
0.5 kg

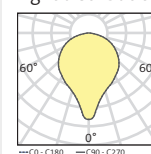
TECHNICAL INFORMATION

Order adapters separately



Special length
Suspension cable up to 5 m available upon request.

Light distribution



COLOURS



PRODUCT

Type	lm	K	W	Head colour	Item number
LED	750	2700	8.7	Chrome	G20-885-10-05 *
				Brushed aluminium	G20-885-10-12 *
				Matt white	G20-885-10-21 *

Adapters: Page 190

* New in the range



A LITTLE BIT

A LITTLE BIT

The A LITTLE BIT pendant luminaire offers a highly flexible lighting solution. The elegant luminaire head made from aluminium integrates a lens which can be focused between 20° and 60°. Elegant surfaces made from polished or matt aluminium round out the luminaire profile of A LITTLE BIT. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside. The pendant luminaire design is also available as a spot-light for track installation.

Design: OLIGO



FEATURES

Pendant luminaire

Please enter the desired total length
Beam angle continuously adjustable
between 20° and 60°

Lighting control and dimming

Compatible with DALI components
for integration into building
automation systems: Pages 190, 196

Dimmer button

Memory function: Last light bright-
ness value used is saved

Output data

24 V DC / LED / 3000 K / 550 lm /
8 W / 20° – 60° / CRI >80
Energy efficiency class: A+

Material

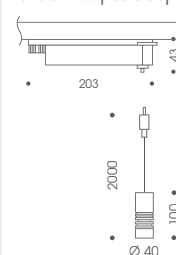
Aluminium, glass lens

Weight

0.2 kg

TECHNICAL INFORMATION

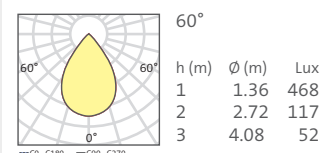
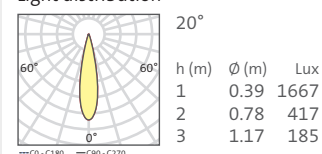
Order adapters separately



Special length

Suspension cable up to 5 m available
upon request.

Light distribution



COLOURS



Chrome



Matt chrome

PRODUCT

Type	lm	K	W	Colour	Item number
LED	550	3000	8	Chrome	20-898-12-05
				Matt chrome	20-898-12-06

Adapters: Page 190



BOURBON

BOURBON

The shape of the satin finished glass shade is instantly reminiscent of a good glass of whiskey and is responsible for the naming of the LED pendant luminaire. The striking heat sink made from aluminium establishes a fascinating contrast to the soft glass colours. The heat sink is available in the matt white and matt chrome colour options.

Design: OLIGO

LED
INTEGRIERT



FEATURES

Pendant luminaire
Please enter the desired total length

Lighting control and dimming
Compatible with DALI components for integration into building automation systems: Pages 190, 196

Dimmer button
Memory function: Last light brightness value used is saved

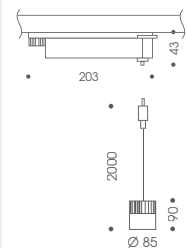
Output data
24 V DC / LED / 3000 K / 750 lm /
8.8 W / CRI >80
Energy efficiency class: A+

Material
Aluminium, hand-blown glass

Weight
0.3 kg

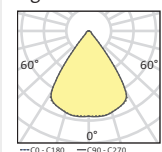
TECHNICAL INFORMATION

Order adapters separately



Special length
Suspension cable up to 5 m available upon request.

Light distribution



COLOURS



Matt white /
Matt white



Matt chrome /
Bright green



Matt chrome /
Bright blue



Matt chrome /
Bright orange

PRODUCT

Heat sink matt white

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-21/21

Adapters: Page 190

PRODUCT

Heat sink matt chrome

Type	lm	K	W	Shade	Item number
LED	750	3000	8.8	Matt white	20-876-10-06/21
				Bright green	20-876-10-06/35
				Bright blue	20-876-10-06/37
				Bright orange	20-876-10-06/29

Adapters: Page 190



GRACE

GRACE

Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. It is ideal for setting the scene at tables or counters. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The surfaces in brushed aluminium completely round out the elegant GRACE profile.

Design: Ralf Keferstein

ECO
READY



FEATURES

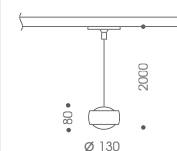
Pendant luminaire
Can be shortened
Toolless lamp change

Output data
230 V / G 9 / QT 14 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium, satin finished glass shades

Weight
0.8 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

Installation
The lamp can be changed without any tools.

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT 14	max. 75	Matt chrome	Brushed aluminium	32-931-10-12
		Matt white	Brushed aluminium	32-931-11-12

Lamps from page 463



SIR GATSBY

SIR GATSBY

The elegant aluminium head of the SIR GATSBY pendant luminaire is finished in a laborious manufacturing process and shines with a high quality chrome surface. The lamp sits behind a satin finished glass shade which, in combination with an 80° high performance reflector, guarantees homogeneous light distribution. The elegant SIR GATSBY offers a formal and elegant lighting solution for ample and representative living spaces as well as tasteful commercial spaces.

Design: Ralf Keferstein

ECO
READY



FEATURES

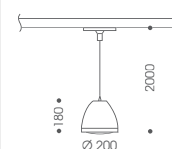
Pendant luminaire
Can be shortened
Toolless lamp change

Output data
230 V / B15d / QT 18 max. 100 W
80° high performance reflector
Energy efficiency class: A+ to D

Material
Aluminium, satin finished glass shade

Weight
2.5 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
B15d / QT 18	max. 100	Matt chrome	Chrome	32-971-10-05
		Matt white	Chrome	32-971-11-05

Lamps from page 463



PULL-IT

PLANNING / PHOTO: ART4LIGHT

PULL-IT 3

The attractive glass shade in combination with the distinctive metal cylinder characterises the PULL-IT 3 pendant luminaire and gives it a unique appearance. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. In the model with transparent glass shade, the reflector insert directs all of the light onto the table top.

Design: Ralf Keferstein

ECO
READY



FEATURES

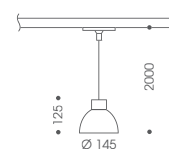
Pendant luminaire
Can be shortened

Output data
230 V / G 9 / QT 14 max. 60 W
Energy efficiency class: A++ to E

Material
Metal,
hand-blown glass

Weight
0.8 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available
upon request.

COLOURS



Transparent



Matt white

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT 14	max. 60	Matt chrome	Transparent	32-952-10-06/01
		Matt chrome	Matt white	32-952-10-06/21

Lamps from page 463

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT 14	max. 60	Matt white	Transparent	32-952-11-06/01
		Matt white	Matt white	32-952-11-06/21

Lamps from page 463



DONATA

DONATA

A conically shaped shade made from satin finished glass defines the restrained design of the DONATA pendant luminaire. It reflects the light and ensures even lighting in the room. DONATA is suitable for the use of energy-efficient high-voltage halogen lamps.

Design: Ralf Keferstein

ECO
READY



FEATURES

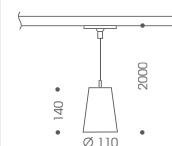
Pendant luminaire
Can be shortened

Output data
230 V / G 9 / QT-14 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium, borosilicate glass

Weight
0.5 kg

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long
available upon request.

COLOURS



Matt white



Champagne

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT-14	max. 75	Matt chrome	Matt white	32-909-20-06/21
			Champagne	32-909-20-06/42
		Matt white	Matt white	32-909-21-06/21
			Champagne	32-909-21-06/42

Lamps from page 463

LUMINAIRE ADAPTER

for SMART.POINT 24 V luminaires / DALI control

The luminaire adapter with integrated switching power supply allows for the integration of three-pole point luminaires from the OLIGO SMART.POINT system into the PHASE track system. In this manner, it is possible to benefit from the lighting technology benefits of the LED-based 24 volt technology in Eutrac track systems operated with mains voltage.

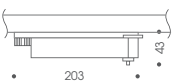
Additionally, an adapter with DALI converter is also available for integration into a centrally controllable lighting system.



FEATURES

- System adapter**
For integration of 24 V SMART.POINT luminaires into the PHASE track system and other Eutrac systems based on 230 V
- Lighting control and dimming**
Optionally with DALI converter for integration into building automation systems
- Output data**
230 V / 50-60 Hz / 24 V DC / 30 VA
Switching power supply
- Material**
Plastic
- Weight**
0.3 kg

TECHNICAL INFORMATION



EXAMPLES OF 24 V POINT LUMINAIRES, DC



NEWTON
Page 132



A LITTLE BIT MORE
Page 144




41 DEGREES
Page 171



BOURBON
Page 181

PRODUCT		
24 V adapter, non-dimmable		
Type	Colour	Item number
30 VA	Matt chrome	33-624-10-06
	Matt white	33-624-10-21
	Matt black	33-624-10-23

PRODUCT		
24 V adapter with DALI converter		
Type	Colour	Item number
30 VA	Matt chrome	D33-624-10-06
	Matt white	D33-624-10-21
	Matt black	D33-624-10-23

PHASE-IN

Luminaire adapter for 12 V point luminaires

PHASE-IN is an unobtrusive adapter with integrated transformer and socket for 12 V PLUG-IN luminaires. With the adapter, all point luminaires can be integrated into the PHASE track system. On the one hand, this opens up additional design versatility, and on the other hand the lighting technology benefits of the 12 V luminaires can be used with the mains voltage operated PHASE.



FEATURES

System adapter

For integration of 12 V PLUG-IN luminaires into the PHASE track system and other Eutrac systems based on 230 V

Lighting control and dimming

Compatible with "Type C" dimmers

Output data

230 V / 50-60 Hz / 12 V / 20-60 VA
Electronic transformer
Permissible secondary side cable length <2 m

Material

Plastic

Weight

0.2 kg

TECHNICAL INFORMATION



EXAMPLES OF 12 V POINT LUMINAIRES, AC



LP 111
Page 349



CHARLES
Page 359



BALINO
Page 365



COCO
Page 377

PRODUCT

Type	Colour	Item number
20-60 VA	Matt chrome	33-621-10-06
	Matt white	33-621-10-21

PHASE

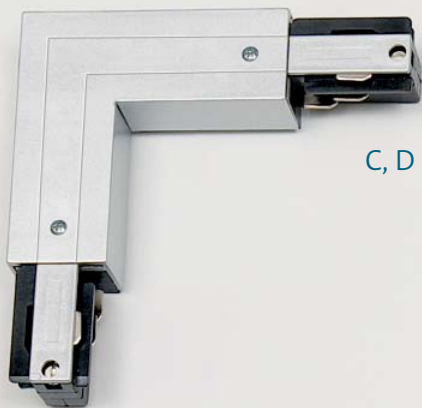
SYSTEM COMPONENTS

230 V / 1x max. 16 A / 400 V / 3x max. 16 A / protection class 1

The components in a track system vary according to the situation in which it is used and the customer's individual requirements. A functional system always consists of certain base components.

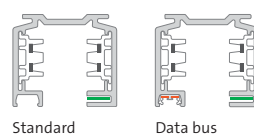
The following checklist facilitates checking the completeness of the system and serves as a guideline for choosing the right components.

Examples





PROFILE SECTION



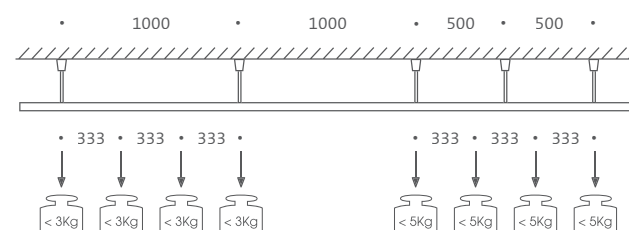
SYSTEM COLOURS

- ☐ Matt white
- ☐ Matt chrome

BASE COMPONENT CHECKLIST

- A Bus bar
- B Support / suspension
- C Connector
- D Power supply
- E End caps

DISTANCES AND WEIGHTS



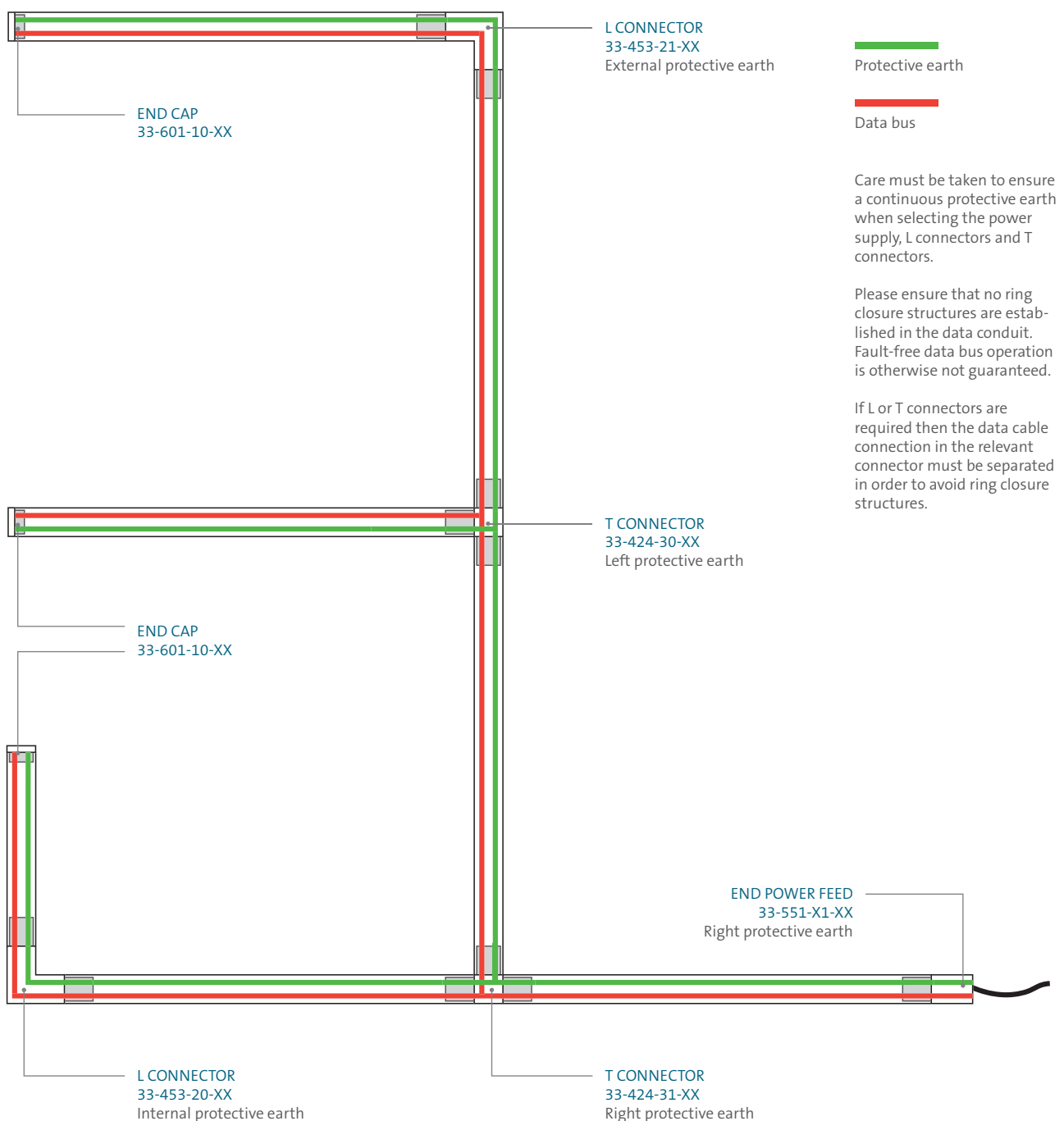


SENTRY

PHASE

INSTALLATION EXAMPLE WITH DATA BUS

Data cable for safety extra-low voltage only (SELV) ~ max: 50V 2A



1. TRACK



3-PHASE BUSBAR, 230 V

36 x 32 mm / 2.5 mm²
Can be shortened

More track colours upon request
When planning a DALI installation, please take care to ensure that the conductive components are continuously equipped with a data bus.

Material
Metal

Standard		
Colour	L (mm)	Item number
Matt chrome	2000	33-201-10-06
Matt white	2000	33-201-10-21
Matt chrome	3000	33-201-20-06
Matt white	3000	33-201-20-21

Data bus		
Colour	L (mm)	Item number
Matt chrome	2000	33-201-11-06 *
Matt white	2000	33-201-11-21 *
Matt chrome	3000	33-201-21-06 *
Matt white	3000	33-201-21-21 *



* New in the range

2. SUPPORT



2.1 CEILING CLIP / CONNECTOR

100 x 36 x 19 mm
for surface mounted on the ceiling
or as a joint connector

Material
Metal

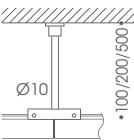


Colour	L (mm)	Item number
Matt chrome	10	33-301-10-06
Matt white	10	33-301-10-21

2.2 DISTANCE SUPPORT

100 x 36 x 19 mm / Ø 10 mm

Material
Metal



Colour	L (mm)	Item number
Matt chrome	100	33-301-11-06
Matt white	100	33-301-11-21
Matt chrome	200	33-301-12-06
Matt white	200	33-301-12-21
Matt chrome	500	33-301-13-06
Matt white	500	33-301-13-21

3. CORD SUSPENSION



CORD SUSPENSION

1500 mm
Can be shortened

Material
Metal

Colour	Item number
Matt chrome	33-331-10-06
Matt white	33-331-10-21

4. CONNECTOR



LONGITUDINAL CONNECTOR

62 x 25 mm

Internal, combine with joint connectors (2.1) for cord suspension or use I connectors (5.2)

Material
Metal

Standard	
Colour	Item number
Matt chrome	33-401-10-06
Matt white	33-401-10-21

Data bus	
Colour	Item number
Matt chrome	33-401-11-06 *
Matt white	33-401-11-21 *



* New in the range

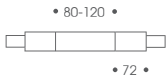
5. POWER SUPPLY WITH CONNECTOR FUNCTION



5.1 FLEX CONNECTOR

from 30° to 330°

Material
Plastic



Standard	
Colour	Item number
Matt white	33-461-10-21
Matt black	33-461-10-23

Data bus	
Colour	Item number
Matt white	33-461-11-21 *
Matt black	33-461-11-23 *



* New in the range



5.2 ICONNECTOR

Material
Metal



Standard	
Colour	Item number
Matt chrome	33-404-10-06
Matt white	33-404-10-21

Data bus	
Colour	Item number
Matt chrome	33-404-12-06 *
Matt white	33-404-12-21 *



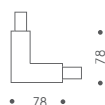
* New in the range

5. POWER SUPPLY WITH CONNECTOR FUNCTION



5.3 L CONNECTOR

Material
Metal



Standard, internal protective earth

Colour	Item number
Matt chrome	33-453-10-06
Matt white	33-453-10-21



Standard, internal protective earth

Colour	Item number
Matt chrome	33-453-11-06
Matt white	33-453-11-21

Data bus



Colour	Item number
Matt chrome	33-453-20-06 *
Matt white	33-453-20-21 *

Data bus

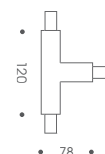


Colour	Item number
Matt chrome	33-453-21-06 *
Matt white	33-453-21-21 *

* New in the range

5.4 T CONNECTOR

Material
Metal



Standard, left protective earth

Colour	Item number
Matt chrome	33-424-10-06
Matt white	33-424-10-21



Standard, right protective earth

Colour	Item number
Matt chrome	33-424-11-06
Matt white	33-424-11-21

Data bus



Colour	Item number
Matt chrome	33-424-30-06 *
Matt white	33-424-30-21 *

Data bus



Colour	Item number
Matt chrome	33-424-31-06 *
Matt white	33-424-31-21 *

* New in the range

6. COVER SECTION / END CAPS



Track cover section L = 1000 mm

Material
Plastic

Track cover section

Colour	Item number
Matt white	33-601-10-21

End caps

Colour	Item number
Matt chrome	33-601-10-06
Matt white	33-601-10-21

7. POWER SUPPLY WITHOUT CONNECTOR FUNCTION



7.1 END POWER SUPPLY

72 x 36 x 36 mm

Material
Metal



Standard, left protective earth

Colour	Item number
Matt chrome	33-551-10-06
Matt white	33-551-10-21

Data bus



Colour	Item number
Matt chrome	33-551-20-06 *
Matt white	33-551-20-21 *



Standard, right protective earth

Colour	Item number
Matt chrome	33-551-11-06
Matt white	33-551-11-21

Data bus



Colour	Item number
Matt chrome	33-551-21-06 *
Matt white	33-551-21-21 *

* New in the range

7.2 CENTRE POWER SUPPLY

127 x 36 mm

No connector function,
positionable in any loca-
tion without separation
of the busbar

Material
Metal

Standard

Colour	Item number
Matt chrome	33-551-12-06
Matt white	33-551-12-21

Data bus



Colour	Item number
Matt chrome	33-551-22-06 *
Matt white	33-551-22-21 *

* New in the range



CHECK-IN

230 VOLTS IN A COMPACT DESIGN.

CHECK-IN is a slim, single-phase 230 volt track system with which lighting concepts in straight lines, elegant curves or circles can be realised.

The patented and award-winning system consists of a high-strength aluminium profile and an extensive range of luminaires. With dimensions of 22 x 8 millimetres, it is among the smallest of its type in the world and stands out with clear, minimalist design language.

A variety of lighting technologies make CHECK-IN as usable in private living space as it is in the retail sector and property.

For individual curved track configurations and circles, the tracks are curved in the factory upon request by the customer.

Design: Ralf Keferstein

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System components	264
Lamps	463
Lamp accessories	473



Designpreis der
Bundesrepublik
Deutschland
Nominiert 2004



reddot design award

CHECK-IN

LUMINAIRE OVERVIEW

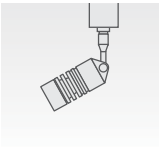
High voltage track system

LED LUMINAIRES

Spotlights

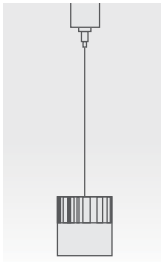


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Pendant luminaires



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LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights /
ambient lights



TWIN LANE
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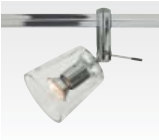
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HIGH STREAM 16
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HIGH FLIGHT
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JUST KIDDING
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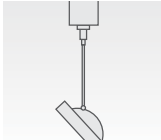
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MDM. FILOU
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B2B / 1
Page 235

LUMINAIRES WITH CONVENTIONAL FITTINGS

Pendant luminaires



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GRACE
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PULL-IT
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ECOLINO GRANDE
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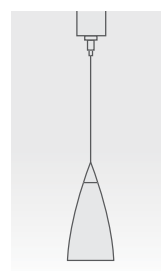
BALIBU BEACH
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Gallery spotlights



HIGH FLIGHT GALERIE
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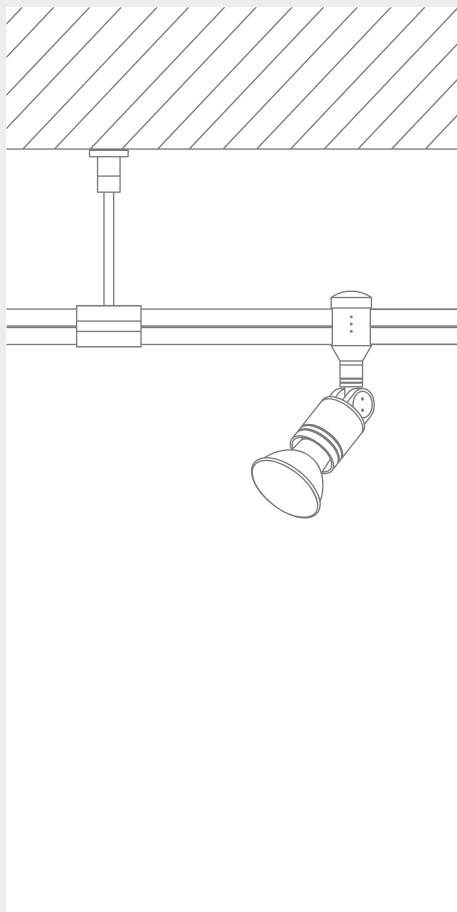


GATE B SEVEN GALERIE
Page 257

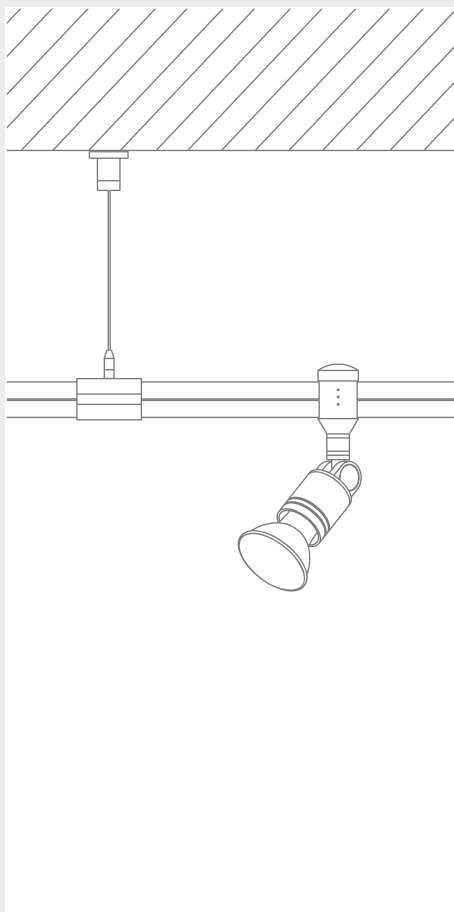
CHECK-IN

SIMPLY INSTALL

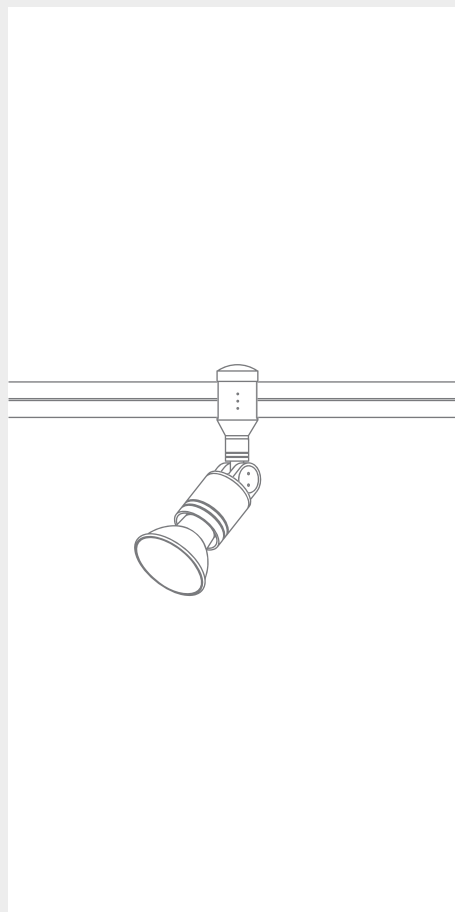
INSTALLATION with supports



INSTALLATION suspended



ADAPTER Integrated



INSTALLATION OPTIONS

CHECK-IN is easy to install. The tracks and luminaires can be installed almost entirely without tools with very little effort. The tracks can easily be shortened on site.

An extensive range of distance supports and cable suspensions allows for different forms of ceiling installation.

Creative solutions can likewise be realised for shelf and image lighting using a wall support and associated gallery spotlights.

EXPANDABLE AT ANY TIME

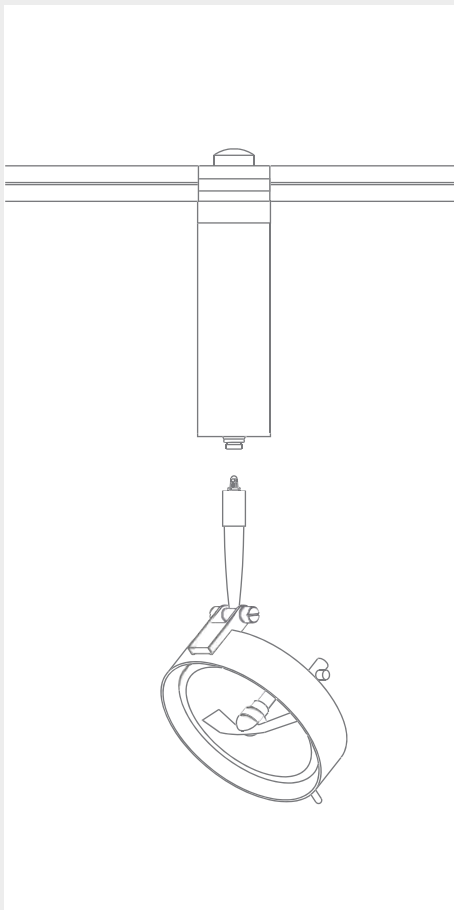
CHECK-IN system luminaires are equipped with an adapter in the factory.

The track system can be flexibly expanded, and at the same time the choice of luminaires is not limited to the CHECK-IN system range.

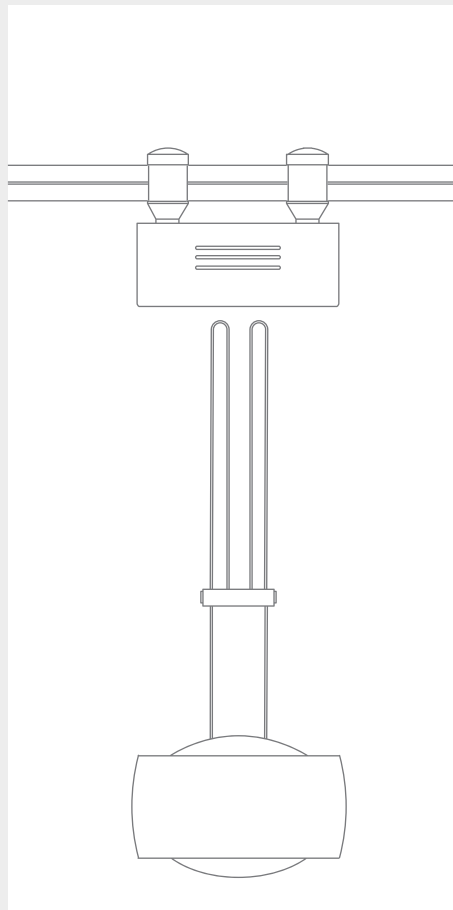
CHECK-IN

COMBINING AND EXPANDING

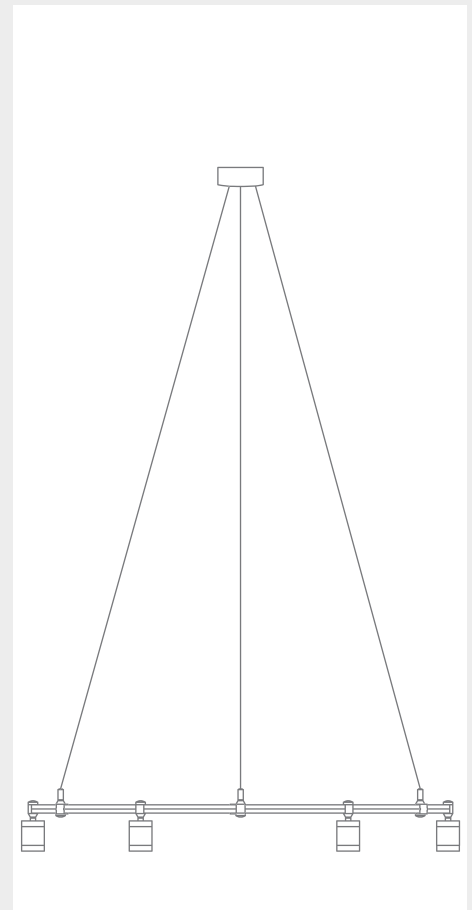
ADAPTER
12 V plug connection system
PLUG-IN



ADAPTER
12 V pendant luminaire
HEIGHT ADJUSTMENT



LIGHT OBJECT
CHECK-IN track circle
BEAUTY FREE



With the CONTACT TUBE adapter, all 12 V PLUG-IN luminaires can be integrated into the CHECK-IN track system. On the one hand, this opens up additional design versatility, and on the other the lighting technology benefits of the 12 V lamps can be used with the mains voltage operated CHECK-IN. As well as the version with electrical transformer, an adapter with a switching power supply opens up the possibility of integrating LED luminaires into the track system.

For individual expansion, height adjustable 12 V pendant luminaires can be integrated into the system with no problem using the KEEP ON ROLLING adapter.

Owing to their delicate dimensions, CHECK-IN tracks can be bent into individual curves or circles.

BEAUTY FREE track circles with varying diameters can be fabricated in single or multiple suspension and represent a lighting solution which is as subtle as it is solemn.



VERSIO

VERSIO

VERSIO is a high quality LED spotlight for sophisticated lighting solutions. Its possible applications include retail, industrial spaces, art and culture. Developed in-house, the reflectors allow for optimal lighting of display products and exhibits as well as precise accentuation of selected architecture.

VERSIO stands out with a well balanced light scene which disperses

softly to the edges and ensures a homogeneous lighting effect right across the colour spectrum. The spotlight is available with a luminous flux of 2,000 or 3,000 lumen and varying light distribution characteristics (flood and spot).

Design: OLIGO



LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling

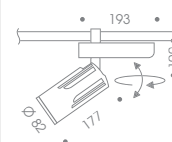
Output data
230 V / 50-60 Hz / LED / 3000 K /
2000 lm / 26 W / 24° or 40° /
CRI >80
Energy efficiency class: A

230 V / 50-60 Hz / LED / 3000 K /
3000 lm / 28 W / 24° or 40° /
CRI >80
Energy efficiency class: A+

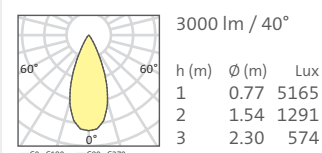
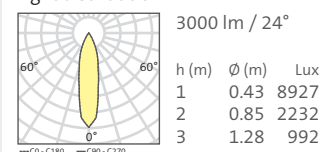
Material
Aluminium

Weight
1.5 kg

TECHNICAL INFORMATION



Light distribution



PRODUCT

LED luminaire

Type	lm	K	W	Colour	Item number
LED	2000	3000	26	Matt chrome	30-888-11-06
	3000	3000	28	Matt chrome	30-888-12-06

Order LED reflectors separately.

PRODUCT

LED reflector

Angle	Colour	Item number
24°	Matt chrome	62-121-10-06
40°	Matt chrome	62-121-11-06



TWIN LANE

TWIN LANE

Circular shapes and a symmetrical base structure define the design of the TWIN LANE spotlight. The spotlight heads are gimbal-mounted so that almost any point in the room can be lit. Alongside the modest shape, the luminaire offers high operational reliability since the thermal separation between the luminaire head and the upstream transformer has been taken into account in a separate housing. TWIN LANE is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: OLIGO

LED
READY



Retrofit lamp

FEATURES

Spotlight
Rotatable / gimballed luminaire heads

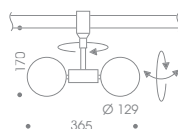
Output data
230 V / 50-60 Hz / 12 V / G 53 /
QR-LP 111 / max. 2x 35 W
Energy efficiency class: A to C

230 V / GZ 10 / QPAR 111 /
max. 2x 75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.8 kg

TECHNICAL INFORMATION



COLOURS



Chrome

Matt chrome

PRODUCT

Type	W	Colour	Item number
G 53 / QR-LP 111	max. 2x 35	Chrome	30-866-20-05
		Matt chrome	30-866-20-06
GZ 10 / QPAR 111	max. 2x 75	Chrome	30-866-10-05
		Matt chrome	30-866-10-06

Lamps from page 463



LEVEL

CULTURAL CENTRE, SEEON
PLANNING: PRYM, MUNICH

LEVEL

Balanced proportions and gimbal-mounted luminaire heads characterise the design of the LEVEL spotlights. They can move freely and can be positioned individually. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

LED
READY



Retrofit lamp

FEATURES

Spotlight
Rotatable / gimballed luminaire heads

Output data
230 V / GZ 10 / QPAR 111 /
max. 1x 75 W / max. 2x 75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.5 kg

TECHNICAL INFORMATION

120
165
120
300

COLOURS

Chrome Matt chrome

PRODUCT

Type	W	Colour	Item number
GZ 10 / QPAR 111	max. 1x 75	Chrome	30-905-11-05
		Matt chrome	30-905-11-06
	max. 2x 75	Chrome	30-905-21-05
		Matt chrome	30-905-21-06

Lamps from page 463

ICE



ICE



EVENT CENTRE, VILLINGEN
LIGHT PLANNING: LICHT UND DESIGN WILLMANN GMBH
ARCHITECT: ANDREAS FLOSS



ICE

ICE

The rotatable and swivelling luminaire head of the ICE spotlight allows for precise lighting of a wide variety of objects and surfaces, even from large distances. ICE is suitable for the use of halogen and LED retrofit lamps and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein



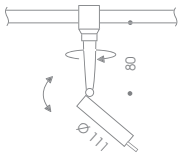
Retrofit lamp

LED
READY

FEATURES

- Spotlight
Rotatable / swivelling
- Output data
230 V / GZ 10 / QPAR 111 max. 75 W
Energy efficiency class: A++ to E
- Material
Aluminium
- Weight
0.4 kg

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome

PRODUCT

Type	W	Body colour	Item number
GZ 10 / QPAR 111	max. 75	Chrome	30-916-10-05
		Matt chrome	30-916-10-06

Lamps from page 463



GATE B SEVEN

GATE B SEVEN

Compact dimensions in a technical and elegant design have made GATE B SEVEN a timeless classic in private and commercial halogen lighting in many countries. The spotlight is also suitable for LED retrofits. The shape and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein



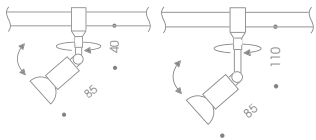
Retrofit lamp

LED
READY

FEATURES

- Spotlight
Rotatable / swivelling
40 or 110 mm rod
- Output data
230 V / GZ 10 / QPAR 51/64
max. 50/75 W
Energy efficiency class: A++ to E
- Material
Aluminium
- Weight
0.2 kg

TECHNICAL INFORMATION



ACCESSORIES

- 

R 2 decorative ring
- 

S 2 glass cap

PRODUCT

Type	W	Length (mm)	Body colour	Item number
GZ 10 /	max. 50/75	40	Chrome	30-973-10-05
QPAR 51/64		40	Matt chrome	30-973-10-06
		110	Chrome	30-973-11-05
		110	Matt chrome	30-973-11-06

Lamps from page 463, accessories from page 473

MATCH

The timeless design of MATCH is optimised for the use of LED retrofits. Thanks to the conical shape of the luminaire head, these lamps can also be harmoniously integrated into the spotlight. The appearance and light scene of the spotlight can be varied using decorative rings and other accessories, available separately.

Design: OLIGO



LED
READY

FEATURES

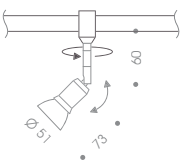
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.2 kg

TECHNICAL INFORMATION



COLOURS AND ACCESSORIES



Chrome



Matt chrome



R 2 decorative ring

PRODUCT

Type	W	Body colour	Item number
GZ 10 / QPAR 51	max. 50	Chrome	30-892-10-05
		Matt chrome	30-892-10-06

Lamps from page 463, accessories from page 473

Retrofit lamp

HIGH STREAM 16

The design of the HIGH STREAM 16 looks both dynamic and elegant. The elaborately manufactured luminaire head made from aluminium surrounds the halogen lamp and gives the luminaire an aesthetic design. Fine surfaces in bright chrome or matt chrome round out the optical merits of HIGH STREAM 16. There is a subtle spike on the underside which can be used to adjust the luminaire, even during use.

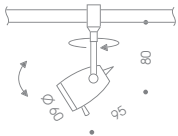
Design: Ralf Keferstein



FEATURES

- Spotlight
Rotatable / swivelling
- Output data
230 V / GU 10 / QPAR 51 max. 50 W
“Cool beam” lamps not permissible
Energy efficiency class: A++ to D
- Material
Aluminium
- Weight
0.4 kg

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome

PRODUCT

Type	W	Adapter colour	Body colour	Item number
GU 10 /	max. 50	Chrome	Chrome	30-968-10-05
QPAR 51		Matt chrome	Matt chrome	30-968-11-06

Lamps from page 463



MX-HIGH

MX-HIGH

The rotatable and swivelling head of the MX-HIGH spotlight is characterised by a stainless steel bracket on the back. While the slim body remains visually inconspicuous, it provides effective accent lighting for materials and objects. MX-HIGH is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

LED
READY



FEATURES

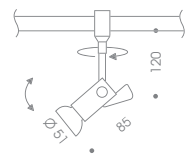
Spotlight
Rotatable / swivelling

Output data
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.4 kg

TECHNICAL INFORMATION



ACCESSORIES



Ø 100 mm shade



R 2 decorative ring



S 2 glass cap

PRODUCT

Luminaire

Type	W	Body colour	Item number
GZ 10 / QPAR 51	max. 50	Matt chrome	30-958-10-06

Lamps from page 463, accessories from page 473

PRODUCT

Ø 100 m shade accessory

Material	Colour	Item number
Metal	Matt chrome	62-214-10-06
Glass	Matt white	62-214-10-21



GATE B FOUR

GATE B FOUR

Whether with or without glass accessories – the GATE B FOUR spotlight cuts a fine figure in any model. Three different, hand-blown glasses are available, among other things, shaping the light scene and design. The variant with the GZ 10 setting is also suitable for the use of LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein



LED **ECO**
READY READY

FEATURES

Spotlight
Rotatable / swivelling

Output data
230 V / G 9 / QT 14 max. 75 W /
ECO ready
Energy efficiency class: A++ to E

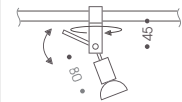
230 V / GZ 10 / QPAR 51/64
max. 50/75 W / LED ready
Energy efficiency class: A++ to E

Material
Aluminium,
hand-blown glass

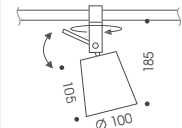
Weight
Luminaire: 0.2 kg
Glass shade: 0.5 kg

TECHNICAL INFORMATION

without accessories (GZ 10 only)



with glass shade



ACCESSORIES



Glass shade
Matt white

Glass shade
Champagne

Glass shade
Transparent

R 3 decorative ring

PRODUCT

Luminaire

Type	W	Body colour	Item number
G 9 / QT 14	max. 75	Chrome	30-904-20-05
		Matt chrome	30-904-20-06
GZ 10 / QPAR 51/64	max. 50/75	Chrome	30-904-10-05
		Matt chrome	30-904-10-06

Lamps from page 463, accessories from page 473

PRODUCT

Accessories: Satin finished glass shade, compatible with G 9 setting

Colour	Item number
Matt white	94-904-10-21
Champagne	94-904-10-42

Accessories: Transparent glass shade, compatible with GZ 10 setting

Colour	Item number
Transparent	94-904-10-01



GATE B EIGHT

MUSTERHAUS STREIF

GATE B EIGHT

The GATE B EIGHT spotlight is particularly suitable for use in large volume light sculptures, such as free floating circles or squares, for example. The cylindrical luminaire head made from aluminium provides selective downward lighting. A smaller proportion of light shines upwards and traces a soft point of light on the ceiling. GATE B EIGHT is suitable for the use of LED retrofits.

Design: Ralf Keferstein

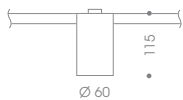


LED
READY

FEATURES

- Spotlight
- Output data
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E
- Material
Aluminium
- Weight
0.3 kg

TECHNICAL INFORMATION



COLOURS



PRODUCT

Type	W	Body colour	Item number
GZ 10 / QPAR 51	max. 50	Chrome	30-902-10-05
		Matt chrome	30-902-10-06

Lamps from page 463



B TUBE / BEAUTY FREE

B TUBE

The cylinder-shaped glass shade of B TUBE is circumferentially satin finished in the middle. In this area, the lamp is noticeably diffuse while it can be seen clearly in the lower section of the lampshade. The behaviour of the B TUBE light effect is based on this. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

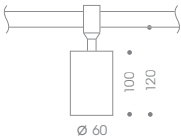


LED
READY

FEATURES

- Spotlight
- Output data
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E
- Material
Aluminium,
partial satin finished borosilicate
glass
- Weight
0.3 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Body colour	Item number
GZ 10 / QPAR 51	max. 50	Chrome	30-993-10-05
		Matt chrome	30-993-10-06

Lamps from page 463



HIGH FLIGHT

The HIGH FLIGHT luminaire is both a decorative lighting element and a room light with a fascinating light scene. The temperature-resistant dissipative film ensures soft and homogeneous general lighting. Different rod lengths allow for variable distances from the ceiling. Today, HIGH FLIGHT is one of the best tried and tested room lights for private and commercial lighting solutions, and is also available as a gallery spotlight.

Design: Ralf Keferstein



FEATURES

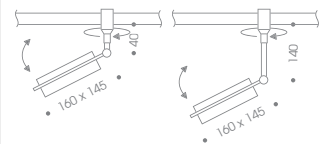
Ambient light
Rotatable / swivelling
40 or 140 mm rod

Output data
230 V / G 9 / QT 14 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium, temperature-resistant film

Weight
0.3 kg

TECHNICAL INFORMATION



VARIANTS



40 mm rod

140 mm rod

PRODUCT

40 mm rod

Type	W	Adapter colour	Body colour	Item number
G 9 / QT 14	max. 75	Chrome	Matt chrome	30-969-10-06
		Matt chrome	Matt chrome	30-969-11-06

Lamps from page 463

PRODUCT

140 mm rod

Type	W	Adapter colour	Body colour	Item number
G 9 / QT 14	max. 75	Chrome	Matt chrome	30-969-20-06
		Matt chrome	Matt chrome	30-969-21-06

Lamps from page 463



JUST KIDDING / LEVEL

JUST KIDDING

Satin finished glass shades enclose the lamp in the JUST KIDDING room light. It provides the room with warm, undirected light and creates a subtle light effect on the ceiling. The direction of JUST KIDDING can be changed along the longitudinal axis as desired.

Design: Ralf Keferstein



ECO
READY

FEATURES

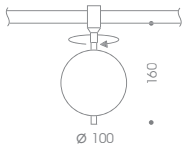
Ambient light
Rotatable

Output data
230 V / G 9 / QT 14 max. 40 W
Energy efficiency class: A++ to E

Material
Metal, satin finished glass shades

Weight
0.4 kg

TECHNICAL INFORMATION



Installation
The lamp can be changed without any tools.

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT-14	max. 40	Matt chrome	Satin finish	30-964-10-06/21

Lamps from page 463



BALIBU / GATE B SEVEN

BALIBU

The classically shaped shade made from crystal glass gives the BALIBU room luminaire a light and timeless appearance. There are four glass colours available to choose from, which shape the light scene of the luminaire. With its possibility of creating effective atmospheres, the BALIBU often plays to its strengths in the property environment of hotels, restaurants or businesses. The variant with the GU 10 setting is also suitable for the use of LED retrofits. The luminaire design is also available as the BALIBU BEACH pendant luminaire.

Design: Ralf Keferstein

LED READY
ECO READY



FEATURES

Ambient light

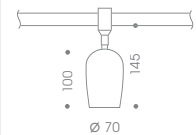
Output data
230 V / G 9 / QT 14 max. 40 W
Energy efficiency class: A++ to E

230 V / GU 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to D

Material
Aluminium,
hand-blown crystal glass,
white interior, matt opalised or
clear, partial satin finished exterior

Weight
0.3 kg

TECHNICAL INFORMATION



Installation
The luminaire must be installed
pointing downwards.

COLOURS



White
finish

Pineapple

Melon

Partial satin

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT 14	max. 40	Chrome	Matt white	30-991-10-05/21
		Matt chrome	Matt white	30-991-10-06/21
		Matt chrome	Pineapple	30-991-10-06/32
		Matt chrome	Melon	30-991-10-06/28

Lamps from page 463

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
GU 10 /	max. 50	Chrome	Partial satin finish	30-991-11-05/02
QPAR 51		Matt chrome	Partial satin finish	30-991-11-06/02

Lamps from page 463



MAGIC / B TUBE / GATE B SEVEN / 2-ONE

PHOTO: FINGERHAUS-MUSTERHAUS MEDLEY, KASSEL

MAGIC

The white satin finished quality glass of the MAGIC luminaire ensures a homogeneous and very soft light scene. When arranged in multiples on a track system, MAGIC can be used to design fascinating lighting chains. MAGIC also shows its extraordinary lighting effect on large light objects such as circles or squares.

Design: Ralf Keferstein

ECO
READY



FEATURES

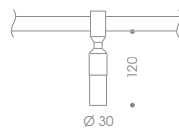
Ambient light

Output data
230 V / G 9 / QT 14 max. 40 W
Energy efficiency class: A++ to E

Material
Metal,
borosilicate glass, satin finished

Weight
0.2 kg

TECHNICAL INFORMATION



MADEMOISELLE FILOU

The classic MADEMOISELLE FILOU is a particular eye catcher in the OLIGO range of luminaires. The extravagant design is defined by a standard tea strainer which, in combination with freely movable wings, reminds you of the eyes and proboscis of a fly. Thanks to the flexible swan neck, FILOU can be adjusted in almost any direction.

Design: Sigi Bußinger

LED
READY



FEATURES

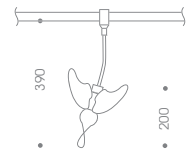
Ambient light
Flexibly swivelling

Output data
230 V / E 14 / D 45-CS max. 25 W
Energy efficiency class: A++ to E

Material
Metal, plastic, temperature-resist-
ant structural fabric

Weight
0.3 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT-14	max. 40	Matt chrome	Satin finish	30-961-10-06/21

Lamps from page 463

PRODUCT

Type	W	Adapter colour	Body colour	Item number
E 14 / D 45-CS	max. 25	Matt chrome	Matt black	30-980-10-23

Lamps from page 463

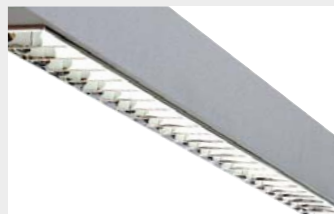


B2B / 1

B2B / 1

The B2B / 1 workplace luminaire is used to realise attractive general lighting. The prismatic synthetic glass provides a soft, but at the same time low-loss room light. The variant with BAP patters fulfils the requirements for monitor-based workplaces. A partial opening at the top allows around 20% of the light, along with the direct light content, to shine indirectly across the ceiling.

Design: Ralf Keferstein



ESL
READY

FEATURES

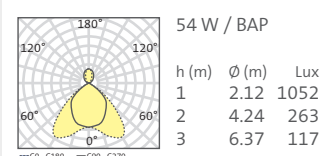
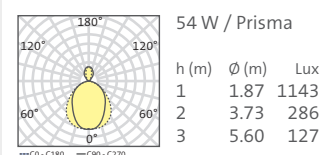
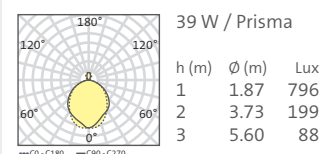
Ambient light
Workplace luminaire

Output data
230 V / 50-60 Hz / G 5 / T 16 / 840 /
39 W or 54 W
Prismatic lens or BAP pattern
Energy efficiency class: A+ to B

Material
Aluminium, acrylic glass or metal

Weight
39 W: 2.5 kg
54 W: 3.0 kg

LIGHT DISTRIBUTION



TECHNICAL INFORMATION

39 W version



54 W version

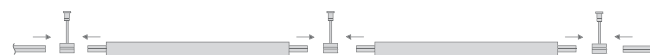


PRODUCT

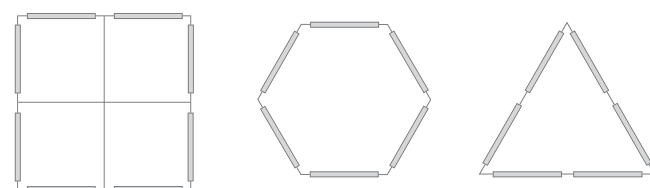
Type		K	W	Body colour	Item number
G 5 / T 16	Prisma	4000	39	Matt chrome	30-922-10-06
			54	Matt chrome	30-922-11-06
	BAP pattern	4000	54	Matt chrome	30-922-12-06

Including 39 or 54 W lamp / 4000 K / EEC: A+ / non-dimmable

INSTALLATION



Typical applications





BALINO

Hand-blown crystal glass forms the luminaire body of the small, spherical BALINO pendant luminaire. In the satin finish and orange models, the glass body is solidly coloured. For the tobacco and gold colours, the exclusive finishing with a crystal ice pattern on the interior of the lampshade creates a unique texture. Brilliant illumination highlights the charming lighting effect of this high quality pendant luminaire, which is available with a variety of shades. It is also available as a wall luminaire and as a single luminaire in the same design.

Design: OLIGO

IRC
READY



FEATURES

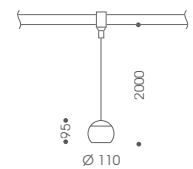
Pendant luminaire
Can be shortened

Output data
230 V / G 9 / QT 14 max. 40 W
Energy efficiency class: A++ to E

Material
Metal, glass

Weight
1.3 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

COLOURS



Chrome /
Satin finish



Matt chrome /
Satin finish



Chrome /
Bright orange



Matt black /
Bright orange



Matt chrome /
Bright tobacco



Matt black /
Bright tobacco



Matt chrome /
Bright gold



Matt black /
Bright gold

PRODUCT

Chrome track adapter

Type	W	Cover colour	Glass colour	Item number
G 9 / QT 14	max. 40	Chrome	Satin finish	30-880-10-05/03 *
		Chrome	Bright orange	30-880-10-05/29 *
		Matt black	Bright orange	30-880-12-05/29 *
		Chrome	Bright tobacco	30-880-10-05/40 *
		Matt black	Bright tobacco	30-880-12-05/40 *
		Chrome	Bright gold	30-880-10-05/08 *
		Matt black	Bright gold	30-880-12-05/08 *

Lamps from page 463

* New in the range

PRODUCT

Matt chrome track adapter

Type	W	Cover colour	Glass colour	Item number
G 9 / QT 14	max. 40	Matt chrome	Satin finish	30-880-11-06/03 *
		Matt chrome	Bright orange	30-880-11-06/29 *
		Matt black	Bright orange	30-880-12-06/29 *
		Matt chrome	Bright tobacco	30-880-11-06/40 *
		Matt black	Bright tobacco	30-880-12-06/40 *
		Matt chrome	Bright gold	30-880-11-06/08 *
		Matt black	Bright gold	30-880-12-06/08 *

Lamps from page 463

* New in the range



GRACE

GRACE

Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. It is ideal for setting the scene at tables or counters. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. Elegant surfaces in bright chrome or brushed aluminium round out the GRACE profile. The pendant luminaire is also available as a height adjustable model.

Design: Ralf Keferstein



ECO
READY

FEATURES

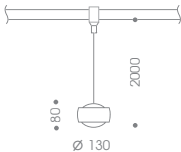
Pendant luminaire
Can be shortened
Toolless lamp change

Output data
230 V / G 9 / QT 14 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium, satin finished glass shades

Weight
0.8 kg


TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

Installation
The lamp can be changed without any tools.

COLOURS



Chrome

Brushed aluminium

PRODUCT			
Type	W	Colour	Item number
G 9 / QT 14	max. 75	Chrome	30-931-10-05
		Brushed aluminium	30-931-10-12
Lamps from page 463			



GRACE

GRACE

Height adjustable

Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The adjustable stay subtly integrated into the suspension allows for continuous height adjustment of the luminaire. The low-voltage luminaire is integrated into the track system using the KEEP ON ROLLING adapter.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened
Toolless lamp change

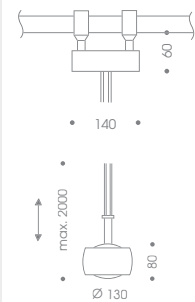
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal

Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



Installation
The lamp can be changed without any tools.

COLOURS



Chrome



Brushed aluminium

PRODUCT

Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	10-931-10-05
		Brushed aluminium	10-931-10-12

Adapter Page 258, lamps from page 463



SIR GATSBY

SIR GATSBY

The elegant aluminium head of the SIR GATSBY pendant luminaire is finished in a laborious manufacturing process and shines with a high quality chrome surface. The lamp sits behind a satin finished glass shade which, in combination with an 80° high performance reflector, guarantees homogeneous light distribution. The elegant SIR GATSBY offers a formal and elegant lighting solution for ample and representative living spaces as well as tasteful commercial spaces.

Design: Ralf Keferstein

ECO
READY



FEATURES

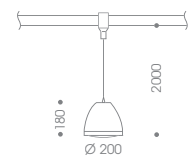
Pendant luminaire
Can be shortened
Toolless lamp change

Output data
230 V / B15d / QT 18 max. 100 W
80° high performance reflector
Energy efficiency class: A+ to D

Material
Aluminium, satin finished glass shade

Weight
2.6 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
B15d / QT 18	max. 100	Matt chrome	Chrome	30-971-10-05

Lamps from page 463



PULL-IT 3

MUSTERHAUS STOMMEL

PULL-IT 3

An attractive glass shade in combination with a distinctive metal cylinder characterises the PULL-IT 3 pendant luminaire and gives it a unique appearance. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. The pendant luminaire is also available as the height adjustable PULL-IT model.

Design: Ralf Keferstein

ECO
READY



FEATURES

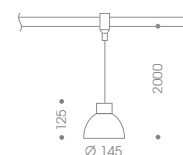
Pendant luminaire
Can be shortened

Output data
230 V / G 9 / QT 14 max. 60 W
Energy efficiency class: A++ to E

Material
Metal,
hand-blown glass

Weight
0.8 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

COLOURS



Transparent



Matt white

PRODUCT

Type	W	Shade colour	Item number
G 9 / QT 14	max. 60	Transparent	30-952-10-06/01
		Matt white	30-952-10-06/21

Lamps from page 463



PULL-IT

PULL-IT

Height adjustable

An attractive glass shade in combination with a distinctive metal cylinder characterises the PULL-IT pendant luminaire. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. The PULL-IT pendant luminaire can be set to any height using the integrated counter-weight. This low-voltage luminaire is integrated into the track system using the KEEP ON ROLLING adapter.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened

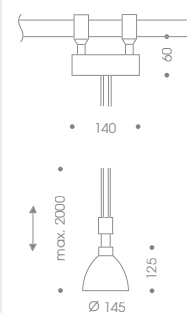
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal,
hand-blown glass

Weight
1.5 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



Bright black

Transparent

Matt white

PRODUCT

Chrome body

Type	W	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Bright black	10-952-10-05/22
		Matt white	10-952-10-05/21

Adapter page 258, lamps from page 463

PRODUCT

Matt chrome body

Type	W	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Transparent	10-952-10-06/01
		Matt white	10-952-10-06/21

Adapter page 258, lamps from page 463

ECOLINO GRANDE

Height adjustable

The domed glass shade of ECOLINO GRANDE is bent from flat glass using a special process. It characterises the luminaire and ensures generous lighting. The light satin finish on the glass gently refracts the light and immerses the room in a soft light. The pendant luminaire can be set to any height using the integrated counterweight. The KEEP ON ROLLING adapter allows for integration of the ECOLINO GRANDE into the track system.

Design: Ralf Keferstein



IRC
READY

FEATURES

Pendant luminaire
Height adjustable
Can be shortened

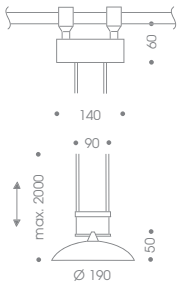
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, domed flat glass

Weight
0.7 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



Matt white



Pineapple

PRODUCT

Luminaire

Type	W	Body colour	Shade colour	Item number
GY 6.35 /	max. 50	Matt chrome	Matt white	10-981-20-06/21
QT-LP 12			Pineapple	10-981-20-06/32

Adapter page 258, lamps from page 463

BALIBU BEACH

The elegantly shaped shade made from crystal glass gives the BALIBU BEACH pendant luminaire a light and timeless appearance. The hand-blown, satin finished glass shade makes each luminaire a unique item. The luminaire design is also available as the BALIBU room light.

Design: Ralf Keferstein

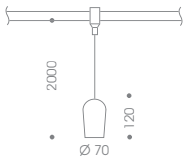


ECO
READY

FEATURES

- Pendant luminaire**
Can be shortened
- Output data**
230 V / G 9 / QT 14 max. 40 W
Energy efficiency class: A++ to E
- Material**
Metal,
hand-blown crystal glass,
white interior, matt opalised
exterior
- Weight**
0.4 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available
upon request.

PRODUCT

Type	W	Shade colour	Item number
G 9 / QT 14	max. 40	Matt white	30-991-20-06/21

Lamps from page 463



DONATA

A conically shaped shade made from satin finished glass defines the restrained design of the DONATA pendant luminaire. It reflects the light and ensures even lighting in the room. DONATA is suitable for the use of energy-efficient high-voltage halogen lamps.

Design: Ralf Keferstein

ECO
READY



FEATURES

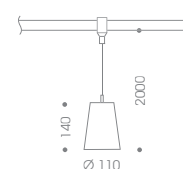
Pendant luminaire
Can be shortened

Output data
230 V / G 9 / QT-14 max. 75 W
Energy efficiency class: A++ to E

Material
Aluminium, borosilicate glass

Weight
0.5 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

COLOURS



Matt white



Champagne

PRODUCT

Type	W	Adapter colour	Shade colour	Item number
G 9 / QT-14	max. 75	Chrome	Matt white	30-909-20-05/21
		Matt chrome	Matt white	30-909-20-06/21
		Matt chrome	Champagne	30-909-20-06/42

Lamps from page 463



BENE

The cylindrically shaped glass shade of the BENE pendant luminaire shapes the appearance as well as the light effect. The satin finished glass causes diffuse light refraction and makes a softly glowing tube of BENE. The circumferential ring is both an exciting design element and the invisible mounting for the shade.

Design: Ralf Keferstein

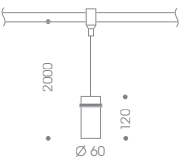


ECO
READY

FEATURES

- Pendant luminaire
Can be shortened
- Output data
230 V / G 9 / QT 14 max. 60 W
Energy efficiency class: A++ to E
- Material
Aluminium, borosilicate glass
- Weight
0.4 kg

TECHNICAL INFORMATION



Special length
Suspension cable up to 5 m available upon request.

PRODUCT

Type	W	Shade colour	Item number
G 9 / QT 14	max. 75	Matt white	30-935-10-06/21

Lamps from page 463



HIGH FLIGHT

HIGH FLIGHT GALERIE

The HIGH FLIGHT GALERIE room light is particularly suitable for installation on the wall track and provides soft, homogeneous general lighting with a primarily upward light distribution. A smaller proportion of the light is directed downwards by temperature-resistant dissipative film. HIGH FLIGHT GALERIE is both a decorative lighting element and a room light with a fascinating light scene.

Design: Ralf Keferstein

ECO
READY



FEATURES

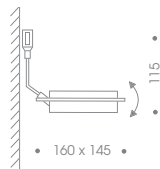
Ambient light
Swivelling

Output data
230 V / G 9 / QT 14 max. 75 W
Energy efficiency class: A++ to E

Material
Metal, temperature-resistant film

Weight
0.4 kg

TECHNICAL INFORMATION



Installation
The luminaire must be installed in an upright position.

PRODUCT

Type	W	Adapter colour	Body colour	Item number
G 9 / QT 14	max. 75	Matt chrome	Matt chrome	30-969-30-06

Lamps from page 463



GATE B SEVEN GALLERY

GATE B SEVEN GALERIE

GATE B SEVEN GALERIE is particularly suitable for installation on a wall track and optimally lights items or pictures in the area underneath. The spotlight presents itself as an elegant detail which effectively stages the object without intruding on the overall appearance. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein



LED
READY

FEATURES

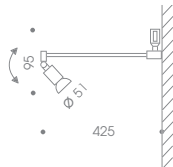
Gallery spotlight
Swivelling head

Output data
230 V / GZ 10 / QPAR 51/64
max. 50/75 W
Energy efficiency class: A++ to E

Material
Aluminium

Weight
0.4 kg

TECHNICAL INFORMATION



ACCESSORIES



R 2 decorative ring

S 2 glass cap

PRODUCT

Type	W	Body colour	Item number
GZ 10 / QPAR 51/64	max. 50/75	Chrome	30-973-20-05
		Matt chrome	30-973-20-06

Lamps from page 463, accessories from page 473

KEEP ON ROLLING

Luminaire adapter for 12 V pendant luminaires with height adjustment

With the integrated transformer, the system adapter reduces the mains voltage to 12 V and connects the height adjustable pendant luminaires with the CHECK-IN system. Adjustable spacing pulleys connect the suspension cables for the various pendant luminaires. The adapter is available in two dimmable models. An electronic transformer with touch dimmer allows pendant luminaires to be dimmed by touching the cable.

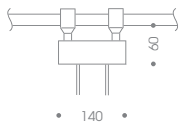
Design: Ralf Keferstein



FEATURES

- System adapter**
For integration of 12 V pendant luminaires with height adjustment
- Output data**
230 V / 50-60 Hz / 12 V / 20-60 VA
Permissible secondary side cable length <2 m
- Electronic transformer**
Compatible with “Type C” dimmers
- Electronic transformer, with touch dimmer**
Not externally dimmable
- Material**
Metal
- Weight**
0.6 kg

TECHNICAL INFORMATION



EXAMPLES OF 12 V PENDANT LUMINAIRES, AC



GRACE
Page 241



PULL-IT
Page 247



ECOLINO GRANDE
Page 248

PRODUCT		
Electronic transformer		
Type	Colour	Item number
20-60 VA	Matt chrome	31-641-10-06

PRODUCT		
Electronic transformer, with touch dimmer		
Type	Colour	Item number
20-60 VA	Matt chrome	T31-641-10-06

CONTACT TUBE

Luminaire adapter for 12 V point luminaires

CONTACT TUBE is an adapter with integrated transformer and socket for 12 V PLUG-IN luminaires. With the adapter, all 12 V point luminaires can be integrated into the CHECK-IN track system. On the one hand, this opens up additional design versatility, and on the other the lighting technology benefits of the 12 V lamps can be used with the mains voltage operated CHECK-IN.

As well as the version with electronic transformer (AC), a model with switching power supply (DC) is also available. It opens up the possibility of integrating LED luminaires and spotlights into the track system.

Design: OLIGO



FEATURES

System adapter
For integration of 12 V PLUG-IN luminaires

Output data
12 V AC version:
230 V / 50-60 Hz / 12 V / 35-60 VA
Electronic transformer
Permissible secondary side cable length < 2 m
Compatible with "Type C" dimmers

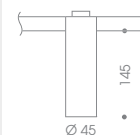
12 V DC version:
230 V / 50-60 Hz / 12 V DC / 10 VA
Switching power supply
Not externally dimmable

Material
Metal

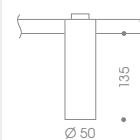
Weight
12 V AC: 0.4 kg
12 V DC: 0.5 kg

TECHNICAL INFORMATION

12 V AC



12 V DC



EXAMPLES OF 12 V POINT LUMINAIRES, AC



LP 111
Page 349

CHARLES
Page 359

BALINO
Page 365

COCO
Page 377

EXAMPLES OF 12 V POINT LUMINAIRES, DC



RIDGE
Page 343

A LITTLE BIT
Page 347

BOURBON
Page 361

A LITTLE BIT
Page 363

PRODUCT

CONTACT TUBE 12 V AC

Type	Colour	Item number
35-60 VA	Chrome	31-621-10-05
	Matt chrome	31-621-10-06

PRODUCT

CONTACT TUBE 12 V DC

Type	Colour	Item number
10 VA	Chrome	31-621-11-05
	Matt chrome	31-621-11-06

**LED
READY**



BEAUTY FREE

for the CHECK-IN track system

BEAUTY FREE is a light object which can be put together individually from the system components in the CHECK-IN track system: modern technology and classic design language come together here in elegant unity.

Fundamentally, each BEAUTY FREE consists of a BASIC ceiling housing with the suspensions, the track circle and the luminaires. The BASIC ceiling housing is suitable for light objects with a diameter of between 1,100 and 4,790 millimetres.

When putting the BEAUTY FREE components together, attention should be paid to a balanced weight distribution. OLIGO is happy to undertake the individual planning for you.

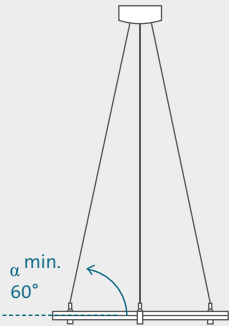
Design: Ralf Keferstein

BEAUTY FREE Components

for the CHECK-IN track system

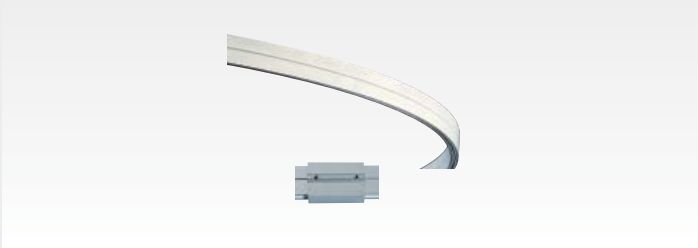
The number of suspensions technically required is based on the desired diameter of the track circle. One track segment should always be supported by one suspension, so the number of tracks and suspensions is always identical. The minimum length of the cable suspension is determined depending on the diameter of the full track circle used.

	Ø full track circle CIRCLE			
	1100 mm	1500 mm	1900 mm	2300 mm
Number of BASIC required	1	1	1	1
Number of SUSPENSION/2 required	-	1	2	3
Minimum length of cable suspension	750 mm	1100 mm	1450 mm	1800 mm



During planning, please take care to ensure that the angle between the track circle and the suspension is not smaller than 60°.

BEAUTY FREE COMPONENTS



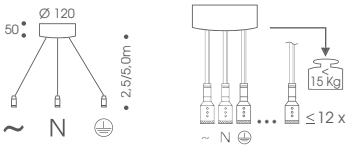
BASIC

Ceiling housing with 3 suspensions and integrated power supply

max. 250 V / max. 16 A
Cable cross section 1.5 mm²
Can be shortened

Material
Metal

Design
Ralf Keferstein



Length (mm)	Item number
3x 2500	31-990-10-06
3x 5000	31-990-11-06

CIRCLE

Full track circle, consisting of track sections and connectors

Ø of between 1100 and 2300 mm

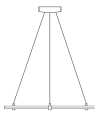
Individual track circle see page 267

Material
Metal

Design
Ralf Keferstein

Colour	Ø (mm)	Number of track sections	Item number
Matt chrome	1100	3	31-231-10-06
Matt chrome	1500	4	31-231-11-06
Matt chrome	1900	5	31-231-12-06
Matt chrome	2300	6	31-231-13-06

EXAMPLE



1x BASIC
1x CIRCLE Ø 1100 mm



BEAUTY FREE COMPONENTS



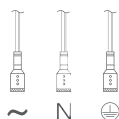
SUSPENSION / 1

Expansion set for BASIC ceiling housing
with 3 suspensions and integrated power supply

One expansion set is required per additional CIRCLE track circle
Cable cross section 1.5 mm²
Can be shortened

Material
Metal

Design
Ralf Keferstein



Length (mm)	Item number
3x 2500	31-990-20-06
3x 5000	31-990-21-06

SUSPENSION / 2

Non-conductive suspension as an expansion
for BASIC ceiling housing

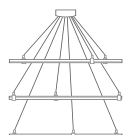
Required for CIRCLE Ø >1100 mm
Cable cross section 1.5 mm²
Can be shortened

Material
Metal

Design
Ralf Keferstein

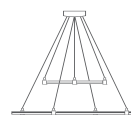
Length (mm)	Item number
1x 2500	31-990-22-06
1x 5000	31-990-23-06

EXAMPLE

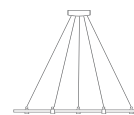


1x BASIC
2x SUSPENSION/1
3x CIRCLE Ø 1100 mm

EXAMPLE



1x BASIC
1x SUSPENSION/1
1x SUSPENSION/2
1x CIRCLE Ø 1100 mm
1x CIRCLE Ø 1500 mm



1x BASIC
2x SUSPENSION/2
1x CIRCLE Ø 1900 mm

CHECK-IN

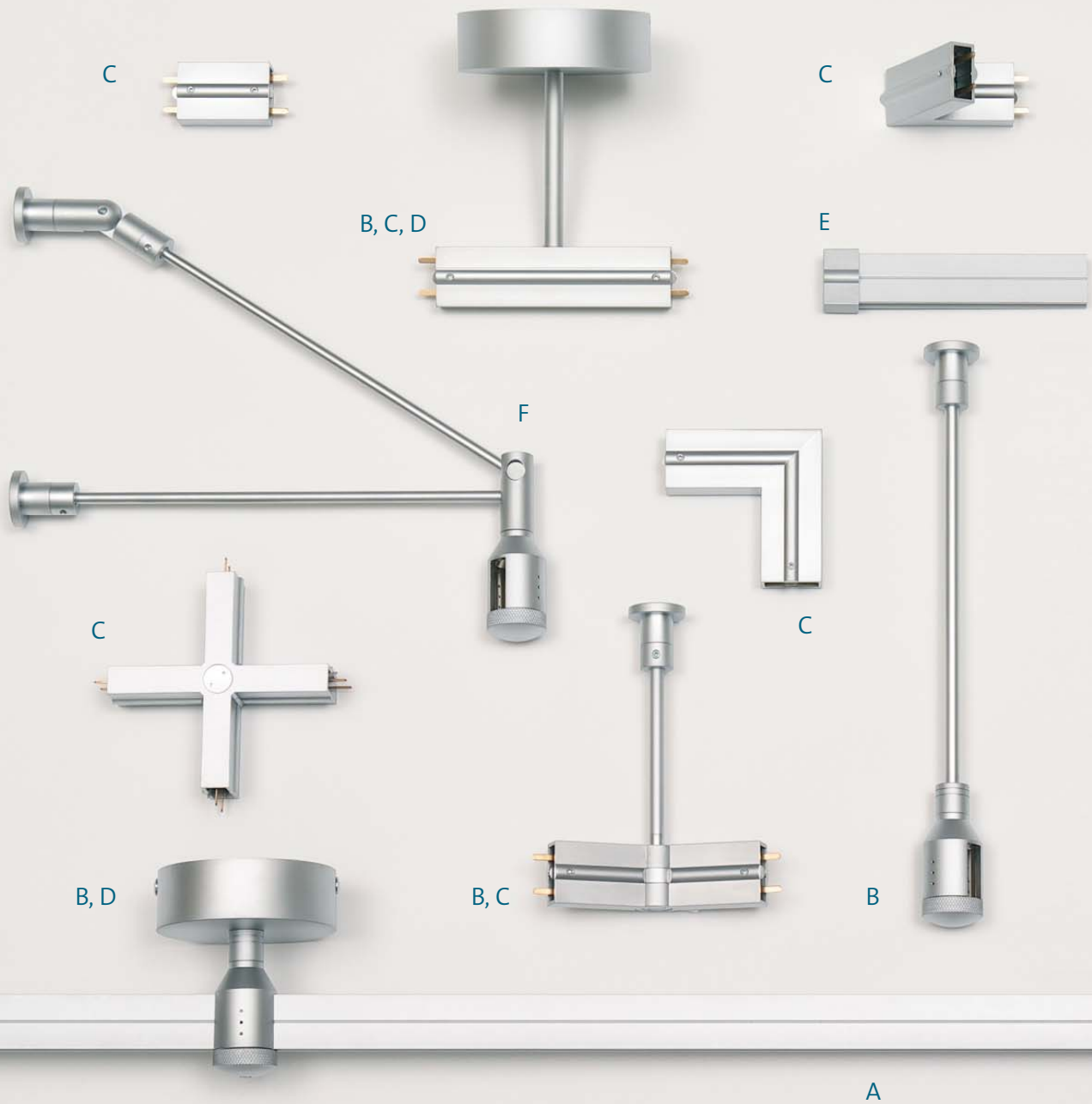
SYSTEM COMPONENTS

max. 250 V / max. 16 A / protection class 1

The components in a track system vary according to the situation in which it is used and the customer's individual requirements. A functional system always consists of certain base components.



The following checklist facilitates checking the completeness of the system and serves as a guideline for choosing the right components.

Examples





SYSTEM COLOURS

-  Chrome
-  Matt chrome

BASE COMPONENT CHECKLIST

- A Bus bar
- B Support / suspension
- C Connector
- D Power supply
- E End pieces / end caps

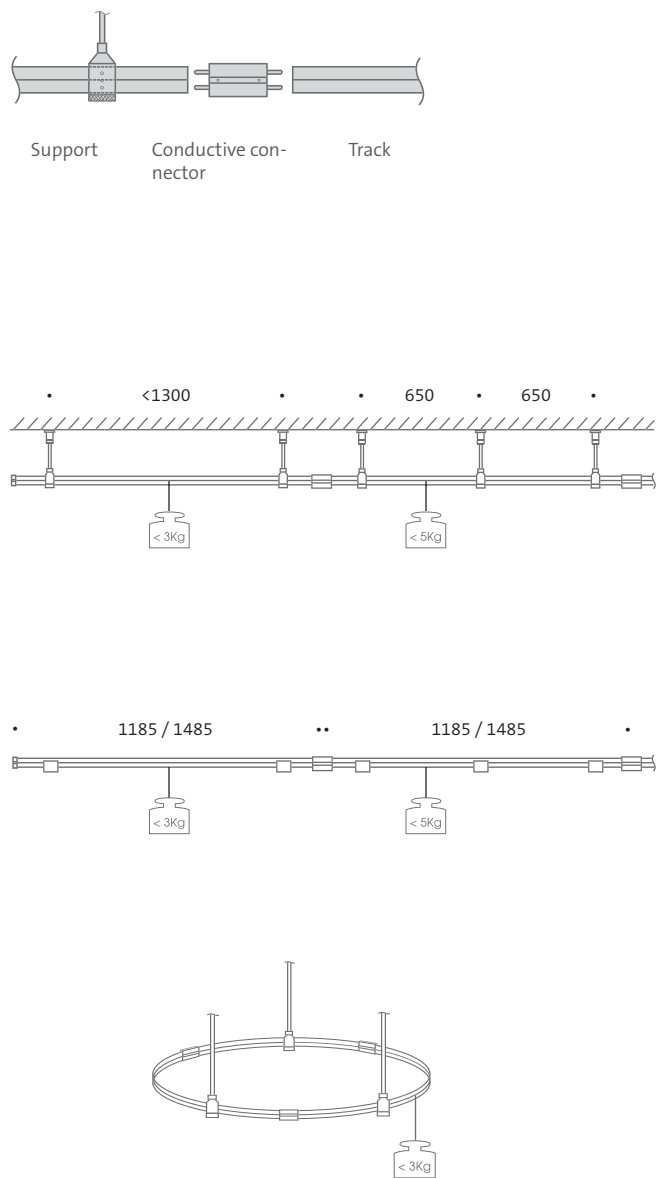
SPECIFIC COMPONENTS

- F Track arm
- V suspension
- Picture mounting

When planning the track system, there is a choice between two technically and stylistically differing support systems (TYPE A and TYPE B).

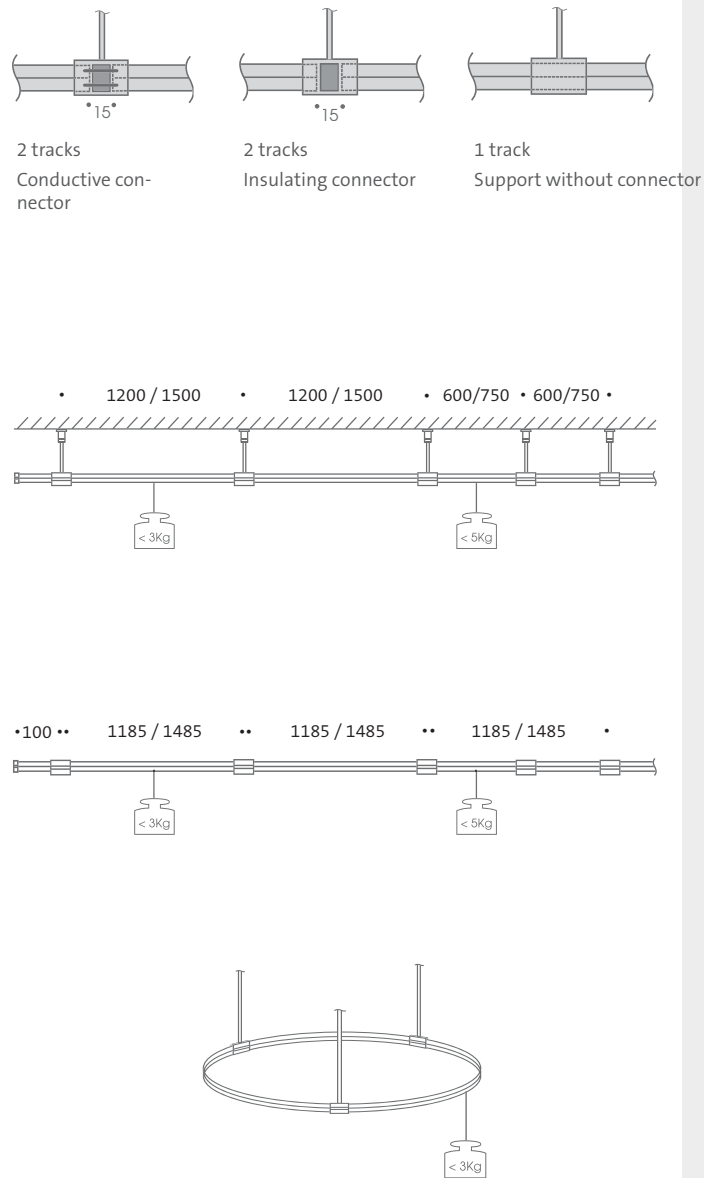
SYSTEM SUPPORT TYPE A

The TYPE A support system is characterised by the functional separation of track support and track connector. A track can be hung in the support at any point. A separate connection is required at another point:



SYSTEM SUPPORT TYPE B

For the TYPE B system, the support and track connector form a unit. Fundamentally, they are divided into three different functional types:



1. TRACK



1.1 STRAIGHT

22 x 8 mm / 1.5 mm²
Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	1185	31-201-10-05
Matt chrome	1185	31-201-10-06
Matt chrome	1485	31-201-11-06

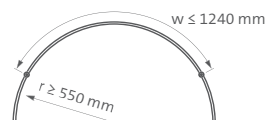


1.2 CURVED

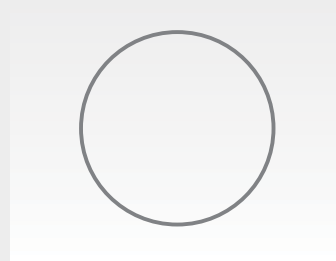
Can be shortened

Material
Metal

Design
Ralf Keferstein



Colour	w (mm)	Item number
Matt chrome	=1240	31-211-10-06
Matt chrome	<1240	31-211-11-06



1.3 CIRCLE

Full circle, consisting of track sections and connectors

Material
Metal

Design
Ralf Keferstein

Colour	Ø (mm)	Item number
Matt chrome	1100	31-231-10-06
Matt chrome	1500	31-231-11-06
Matt chrome	1900	31-231-12-06
Matt chrome	2300	31-231-13-06

2. SUPPORT TYPE A



2.1 SUPPORT Ø 14 mm

Type A

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	50	31-301-10-05
Matt chrome	50	31-301-10-06



2.2 COVER PLATE

Type A

Ø 24 x 4 mm
Optional accessory
Compatible: 2.1

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	31-311-10-05
Matt chrome	31-311-10-06



2.3 SUPPORT Ø 6 mm

Type A

Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	100	31-301-11-05
Matt chrome	100	31-301-11-06
Chrome	225	31-301-12-05 *
Matt chrome	225	31-301-12-06
Chrome	525	31-301-13-05 *
Matt chrome	525	31-301-13-06



2.4 TRACK ARM

Type A

Can be shortened
Wall clearance 200 mm

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Matt chrome	31-351-10-06

* New in the range

2. SUPPORT TYPE A



3. CONNECTOR TYPE A



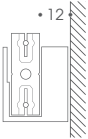
2.5 WALL SUPPORT

Type A

30 x 26 x 24 mm

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Matt chrome	31-321-10-06

2.6 SUSPENSION

Type A

Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	1500	31-331-10-05
Matt chrome	1500	31-331-10-06

2.7 V SUSPENSION

Type A

Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Matt chrome	1500	31-341-10-06

3.1 I CONNECTOR

Type A

40 x 26 x 12 mm

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	31-401-10-05
Matt chrome	31-401-10-06

Insulating

Colour	Item number
Chrome	31-401-11-05
Matt chrome	31-401-11-06

3. CONNECTOR TYPE A



3.2 SWIVEL CONNECTOR

Type A

90 x 26 x 12 mm

Swivel range 80° - 180°

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	31-411-10-05
Matt chrome	31-411-10-06

Insulating

Colour	Item number
Matt chrome	31-411-11-06

3.3 T CONNECTOR

Type A

90 x 55 x 26 mm

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-421-10-06

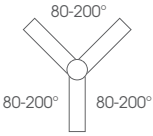
3.4 Y/T SWIVEL CONNECTOR

Type A

90 x 55 x 26 mm

Material
Metal

Design
Ralf Keferstein



Conductive

Colour	Item number
Matt chrome	31-416-10-06

3.5 X CONNECTOR

Type A

90 x 90 x 26 mm

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	31-431-10-05 *
Matt chrome	31-431-10-06

* New in the range

3. CONNECTOR TYPE A



3.6 V CONNECTOR

Type A

Horizontal 60°

Material
MetalDesign
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-441-10-06



3.7 L CONNECTOR

Type A

Vertical 90°

Material
MetalDesign
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-451-10-06

Insulating

Colour	Item number
Matt chrome	31-451-11-06

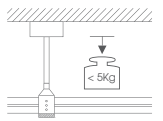
4. POWER SUPPLY TYPE A



POWER SUPPLY, CEILING

Type A

Ø 82 mm

Material
MetalDesign
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	50	31-501-10-05
Matt chrome	50	31-501-10-06
Chrome	100	31-501-11-05
Matt chrome	100	31-501-11-06

Colour	L (mm)	Item number
Chrome	225	31-501-12-05
Matt chrome	225	31-501-12-06
Matt chrome	525	31-501-13-06

5. END CAP TYPE A



END CAP

Type A

22 x 8 x 15 mm
Transparent model for combination
with chrome trackMaterial
PolycarbonateDesign
Ralf Keferstein

Colour	Item number
Transparent	31-601-10-01
Matt chrome	31-601-10-06

6. SUPPORT WITH CONNECTOR TYPE B



6.1 SUPPORT

Type B

Can be shortened

Material
MetalDesign
Ralf Keferstein

Conductive, with connector

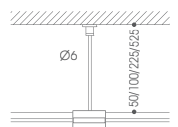
Colour	L (mm)	Item number
Chrome	50	31-302-10-05
Matt chrome	50	31-302-10-06
Chrome	100	31-302-11-05
Matt chrome	100	31-302-11-06
Chrome	225	31-302-12-05
Matt chrome	225	31-302-12-06
Matt chrome	525	31-302-13-06

Insulating, with connector

Colour	L (mm)	Item number
Chrome	50	31-302-20-05
Matt chrome	50	31-302-20-06
Chrome	100	31-302-21-05
Matt chrome	100	31-302-21-06
Chrome	225	31-302-22-05
Matt chrome	225	31-302-22-06
Matt chrome	525	31-302-23-06

Continuous, without connector

Colour	L (mm)	Item number
Chrome	50	31-302-30-05
Matt chrome	50	31-302-30-06
Chrome	100	31-302-31-05
Matt chrome	100	31-302-31-06
Chrome	225	31-302-32-05
Matt chrome	225	31-302-32-06
Matt chrome	525	31-302-33-06



6. SUPPORT WITH CONNECTOR TYPE B



6.2 SWIVEL CONNECTOR

Type B

Can be shortened
Swivel range 80° - 180°

Material

Metal

Design

Ralf Keferstein

Conductive

Colour	L (mm)	Item number
Matt chrome	50	31-412-10-06
Chrome	100	31-412-11-05
Matt chrome	100	31-412-11-06
Chrome	225	31-412-12-05
Matt chrome	225	31-412-12-06
Matt chrome	525	31-412-13-06

Insulating

Colour	L (mm)	Item number
Matt chrome	50	31-412-20-06
Chrome	100	31-412-21-05
Matt chrome	100	31-412-21-06
Chrome	225	31-412-22-05
Matt chrome	225	31-412-22-06
Matt chrome	525	31-412-23-06

6.3 T CONNECTOR

Type B

Can be shortened

Material

Metal

Design

Ralf Keferstein

Conductive

Colour	L (mm)	Item number
Matt chrome	50	31-422-10-06
Chrome	100	31-422-11-05
Matt chrome	100	31-422-11-06
Chrome	225	31-422-12-05
Matt chrome	225	31-422-12-06

6.4 Y/T SWIVEL CONNECTOR

Type B

Can be shortened

Material

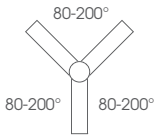
Metal

Design

Ralf Keferstein

Conductive

Colour	L (mm)	Item number
Matt chrome	50	31-414-10-06
Chrome	100	31-414-11-05
Matt chrome	100	31-414-11-06
Chrome	225	31-414-12-05
Matt chrome	225	31-414-12-06



6. SUPPORT WITH CONNECTOR TYPE B



6.5 X CONNECTOR

Type B

Material

Metal

Design

Ralf Keferstein

Conductive

Colour	L (mm)	Item number
Matt chrome	50	31-432-10-06
Chrome	100	31-432-11-05
Matt chrome	100	31-432-11-06
Chrome	225	31-432-12-05
Matt chrome	225	31-432-12-06

6.6 WALL SUPPORT

Type B

40 x 26 x 24 mm

Material

Metal

Design

Ralf Keferstein

Conductive, with connector

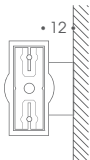
Colour	Item number
Chrome	31-322-10-05
Matt chrome	31-322-10-06

Continuous, without connector

Colour	Item number
Chrome	31-322-12-05
Matt chrome	31-322-12-06

Insulating, with connector

Colour	Item number
Chrome	31-322-11-05
Matt chrome	31-322-11-06



6.7 TRACK ARM

Type B

Wall clearance 200 mm
Can be shortened

Material

Metal

Design

Ralf Keferstein

Continuous, without connector

Colour	Item number
Matt chrome	31-352-10-06

7. SUSPENSION WITH CONNECTOR TYPE B



7.1 SUSPENSION

Type B

1500 mm, can be shortened

Material
MetalDesign
Ralf Keferstein

Conductive, with connector

Colour	Item number
Chrome	31-332-10-05
Matt chrome	31-332-10-06

Insulating, with connector

Colour	Item number
Matt chrome	31-332-11-06

Continuous, without connector

Colour	Item number
Matt chrome	31-332-12-06

7.2 SWIVEL CONNECTOR

Type B

1500 mm, can be shortened
Swivel range 80° - 180°Material
MetalDesign
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-413-10-06

Insulating

Colour	Item number
Matt chrome	31-413-11-06

7.3 T CONNECTOR

Type B

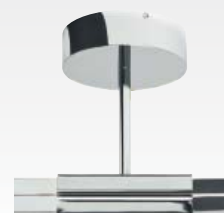
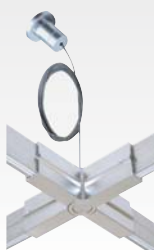
1500 mm, can be shortened

Material
MetalDesign
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-423-10-06

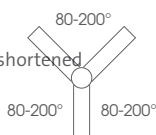
7. SUSPENSION WITH CONNECTOR TYPE B



7.4 Y/T SWIVEL CONNECTOR

Type B

1500 mm, can be shortened

Material
MetalDesign
Ralf Keferstein

Conductive

Colour	Item number
Matt chrome	31-415-10-06

7.5 X CONNECTOR

Type B

1500 mm, can be shortened

Material
MetalDesign
Ralf Keferstein

Conductive

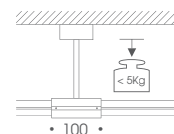
Colour	Item number
Matt chrome	31-433-10-06

8. POWER SUPPLY TYPE B

POWER SUPPLY, CEILING

Type B



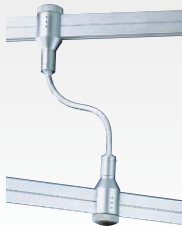





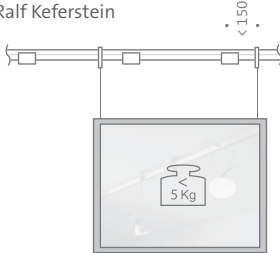
Ø 82 mm

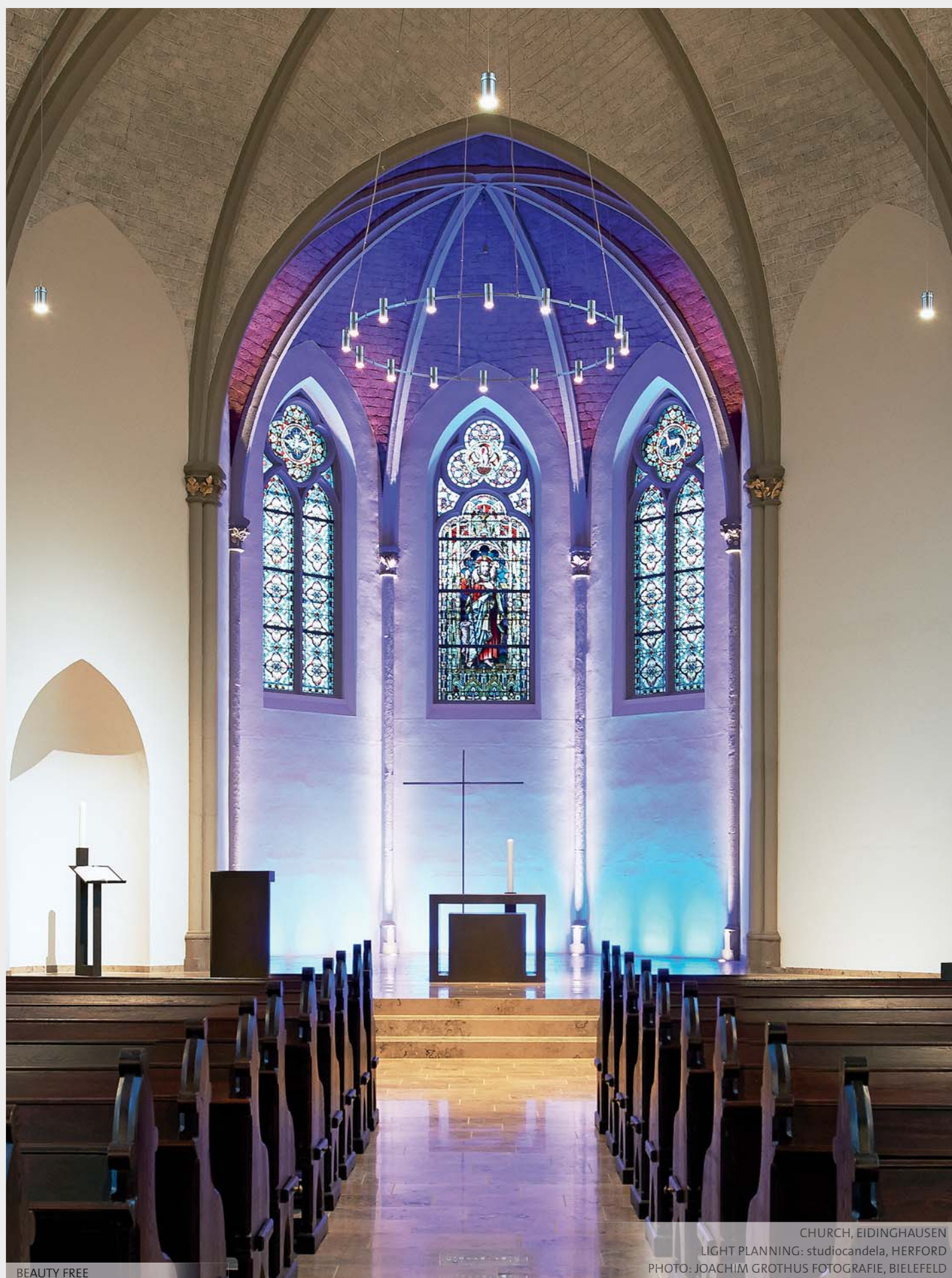
Material
MetalDesign
Ralf Keferstein

Conductive, with connector

Colour	L (mm)	Item number
Chrome	50	31-502-10-05
Matt chrome	50	31-502-10-06
Chrome	100	31-502-11-05
Matt chrome	100	31-502-11-06

Colour	L (mm)	Item number
Chrome	225	31-502-12-05
Matt chrome	225	31-502-12-06
Matt chrome	525	31-502-13-06

<div>9. END PIECE TYPE B</div> <div></div>	<div>10. ADDITIONAL JOINT</div> <div></div>	<div>11. FLEX CONNECTOR</div> <div></div>	<div>12. POWER SUPPLY, CABLE</div> <div></div>																															
<div>END PIECE INCLUDING END CAP</div> <div>Type B</div> <div>22 x 8 x 100 mm</div> <div>Chrome track with transparent end cap</div> <div>Material</div> <div>Metal, polycarbonate</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>Item number</td></tr><tr><td>Chrome</td><td>31-602-10-05</td></tr><tr><td>Matt chrome</td><td>31-602-11-06</td></tr></table>	Colour	Item number	Chrome	31-602-10-05	Matt chrome	31-602-11-06	<div>ADDITIONAL JOINT</div> <div>Swivel range 90° - 180°</div> <div>Compatible with 2.3 / 6.1 / 6.2 / 6.3</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>Item number</td></tr><tr><td>Chrome</td><td>62-303-01-05</td></tr><tr><td>Matt chrome</td><td>62-303-01-06</td></tr></table>	Colour	Item number	Chrome	62-303-01-05	Matt chrome	62-303-01-06	<div>FLEX CONNECTOR</div> <div>200 mm</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>Item number</td></tr><tr><td>Matt chrome</td><td>31-461-10-06</td></tr></table>	Colour	Item number	Matt chrome	31-461-10-06	<div>12.1 CENTRE POWER SUPPLY</div> <div>Ø 82 mm</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>L (mm)</td><td>Item number</td></tr><tr><td>Chrome</td><td>600</td><td>31-512-10-05</td></tr><tr><td>Matt chrome</td><td>600</td><td>31-512-10-06</td></tr><tr><td>Chrome</td><td>1600</td><td>31-512-11-05</td></tr><tr><td>Matt chrome</td><td>1600</td><td>31-512-11-06</td></tr></table>	Colour	L (mm)	Item number	Chrome	600	31-512-10-05	Matt chrome	600	31-512-10-06	Chrome	1600	31-512-11-05	Matt chrome	1600	31-512-11-06
Colour	Item number																																	
Chrome	31-602-10-05																																	
Matt chrome	31-602-11-06																																	
Colour	Item number																																	
Chrome	62-303-01-05																																	
Matt chrome	62-303-01-06																																	
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Matt chrome	31-461-10-06																																	
Colour	L (mm)	Item number																																
Chrome	600	31-512-10-05																																
Matt chrome	600	31-512-10-06																																
Chrome	1600	31-512-11-05																																
Matt chrome	1600	31-512-11-06																																
<div>12. POWER SUPPLY, CABLE</div> <div></div>	<div>13. POWER SUPPLY, WALL</div> <div></div>	<div>13.2 END POWER SUPPLY W. SUPPORT</div> <div></div>	<div>14. PICTURE MOUNTING</div> <div></div>																															
<div>12.2 END POWER SUPPLY</div> <div>Ø 82 mm</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>L (mm)</td><td>Item number</td></tr><tr><td>Matt chrome</td><td>600</td><td>31-512-12-06</td></tr></table>	Colour	L (mm)	Item number	Matt chrome	600	31-512-12-06	<div>13.1 END POWER SUPPLY</div> <div>Ø 82 mm</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>Item number</td></tr><tr><td>Matt chrome</td><td>31-521-10-06</td></tr></table>	Colour	Item number	Matt chrome	31-521-10-06	<div>13.2 END POWER SUPPLY W. SUPPORT</div> <div>100 x 30 x 30 mm</div> <div>For gallery tracks</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div>Conductive</div> <table><tr><td>Colour</td><td>Item number</td></tr><tr><td>Matt chrome</td><td>31-521-11-06</td></tr></table>	Colour	Item number	Matt chrome	31-521-11-06	<div>PICTURE MOUNTING, 1 PAIR</div> <div>Material</div> <div>Metal</div> <div>Design</div> <div>Ralf Keferstein</div> <div></div> <div>Conductive</div> <table><tr><td>Colour</td><td>L (mm)</td><td>Item number</td></tr><tr><td>Black</td><td>1500</td><td>62-301-02-23</td></tr></table>	Colour	L (mm)	Item number	Black	1500	62-301-02-23											
Colour	L (mm)	Item number																																
Matt chrome	600	31-512-12-06																																
Colour	Item number																																	
Matt chrome	31-521-10-06																																	
Colour	Item number																																	
Matt chrome	31-521-11-06																																	
Colour	L (mm)	Item number																																
Black	1500	62-301-02-23																																



BEAUTY FREE

CHURCH, EIDINGHAUSEN
LIGHT PLANNING: studiocandela, HERFORD
PHOTO: JOACHIM GROTHUS FOTOGRAFIE, BIELEFELD



READY FOR TAKE OFF

SMALL IS BEAUTIFUL.

READY FOR TAKE OFF is a graceful, single-phase 12 volt track system with spirit. Whether it's flat or high spaces, straight line or curved track configurations, or even circles: READY FOR TAKE OFF adapts to your requirements.

With dimensions of 17 x 8 millimetres, the robust rectangular shaped busbar is discreetly dimensioned. Thanks to track connectors and supports designed in-house, the track elements can be connected to one another almost invisibly.

READY FOR TAKE OFF luminaires are offered with a variety of lighting technologies. The user is free to choose between LED or halogen luminaires.

The high quality track system is technically perfectly suited to private living space and is likewise tried and tested for presentable accent lighting in sophisticated retail and in galleries. READY FOR TAKE OFF can be extended and modified at any time.

For individual curved track configurations, the tracks can be curved in the factory upon request.

Design: Ralf Keferstein

CONTENTS	PAGE
System luminaires	283
Individual single luminaires	313
Adapters	323
System components	324
Lamps	463
Lamp accessories	473

READY FOR TAKE OFF

LUMINAIRE OVERVIEW

Low voltage track system

LED LUMINAIRES

Spotlights



RIDGE MAX
Page 283



RIDGE
Page 285

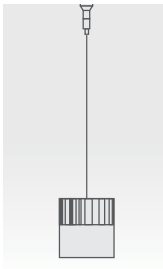


A LITTLE BIT MORE
Page 286



A LITTLE BIT
Page 287

Pendant luminaires



PLUG-IN
Adapter page 323
Luminaires from page 337

LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights /
ambient lights



LEVEL
Page 289



LP 111
Page 291



GATE B FIVE
Page 293



MATCH
Page 295



STREAM 51
Page 295



MX-2
Page 297



GATE B NINE
Page 299



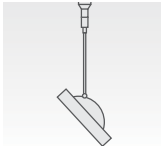
HIGH FLIGHT
Page 297



GATE B TWO
Page 301



MAGIC
Page 301



PLUG-IN
Adapter page 323
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Pendant luminaires



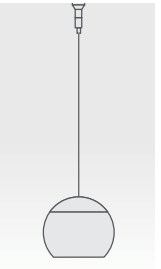
GRACE
Page 303



PULL-IT
Page 305

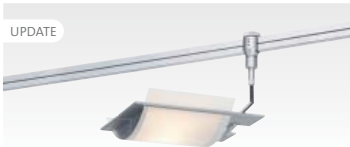


ECOLINO GRANDE
Page 307



PLUG-IN
Adapter page 323
Luminaires from page 337

Gallery spotlights



HIGH FLIGHT GALLERY
Page 309



TAIFUN
Page 309

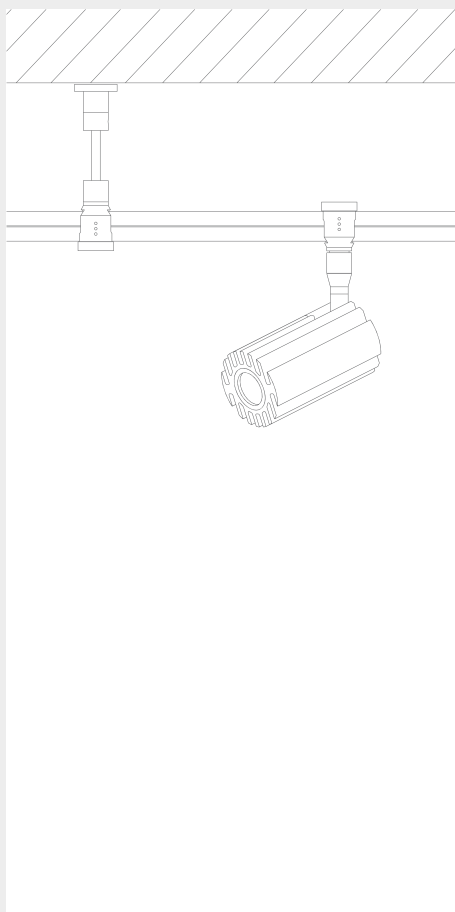


TORINO
Page 311

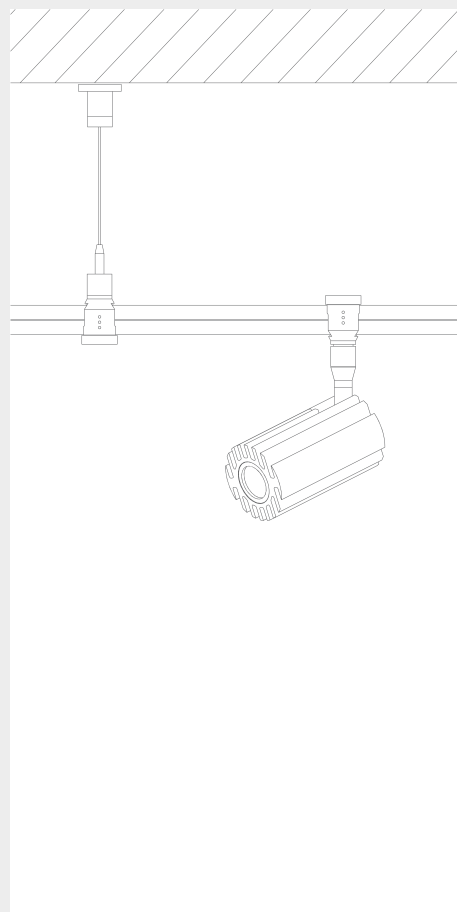
READY FOR TAKE OFF

A SYSTEM WITH THE BEST CONTACTS

INSTALLATION
with supports



INSTALLATION
suspended



INSTALL QUICKLY AND SAFELY

All system components can be combined without virtually any tools in a very simple manner. The interior track connectors are equipped with spring cage contacts. They are pushed into the track conduit during installation and make the connection between the track elements almost invisible. The luminaire adapter spanning the tracks is

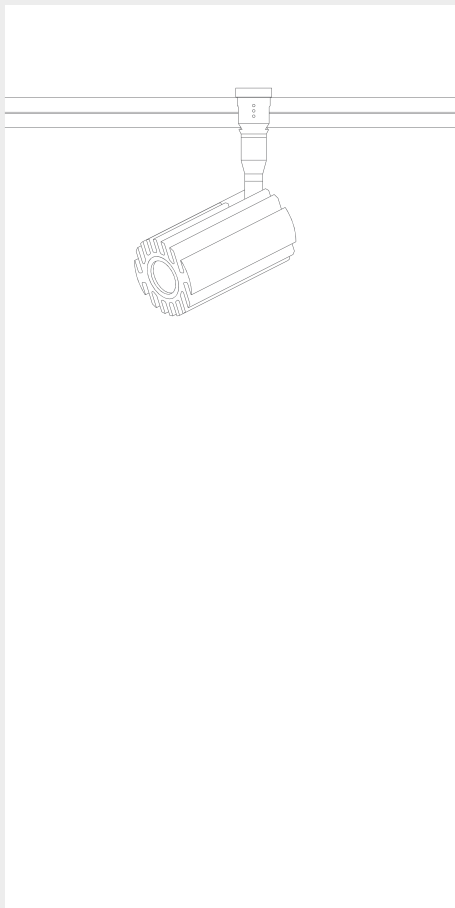
equipped with a spring pressure mechanism for the best contact pressure. It is mechanically secured against release with a ridged cap.

Creative solutions can likewise be realised for shelf and image lighting using a wall support and associated gallery spotlights.

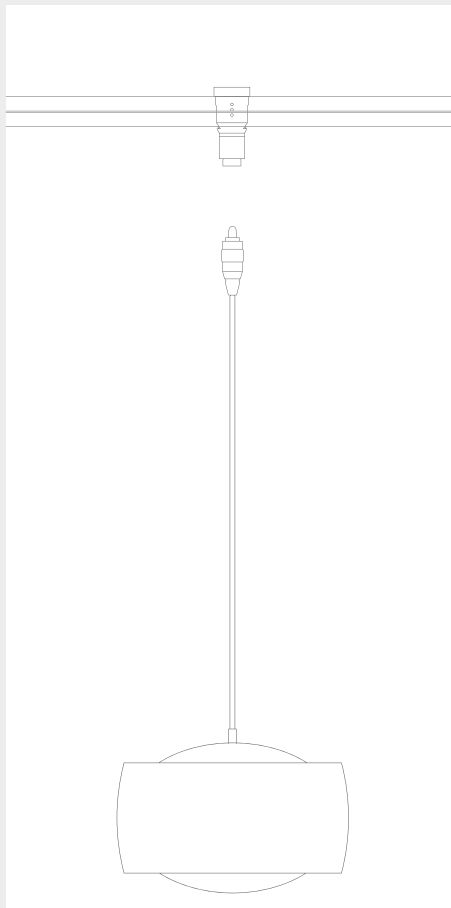
READY FOR TAKE OFF

COMBINING AND EXPANDING

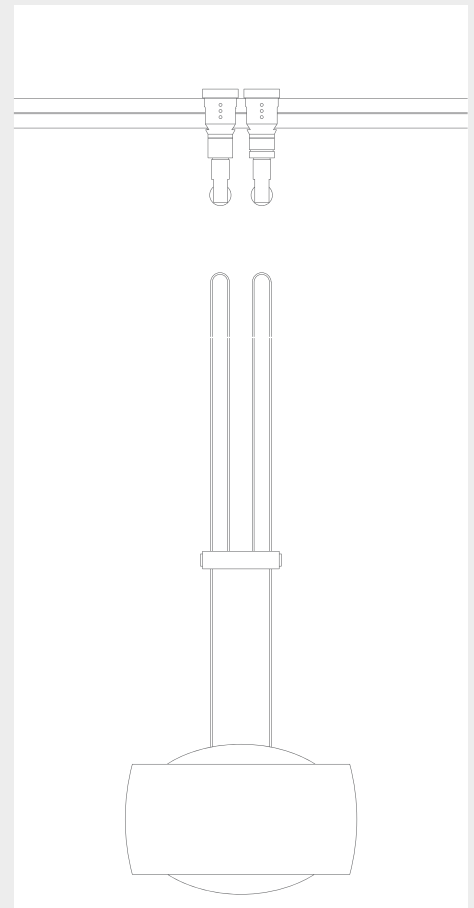
ADAPTER
integrated



ADAPTER
12 V plug connection system
PLUG-IN



ADAPTER
12 V pendant luminaire
HEIGHT ADJUSTMENT



EXPANDABLE AT ANY TIME

READY FOR TAKE OFF system luminaires leave the factory with a fixed adapter.

The track system can be flexibly expanded, and at the same time the choice of luminaires is not limited to the READY FOR TAKE OFF system range.

Using a special adapter, all 12 volt PLUG-IN system luminaires can be integrated into the track system.

Height adjustable 12 V pendant luminaires can also be integrated into the track system without a problem using an adapter.



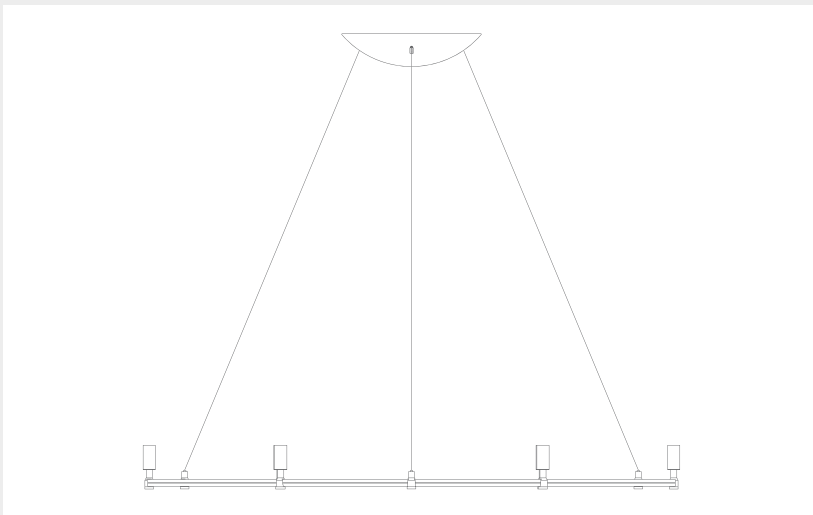
ONE NIGHT STAND

READY FOR TAKE OFF

INDIVIDUAL SINGLE LUMINAIRES

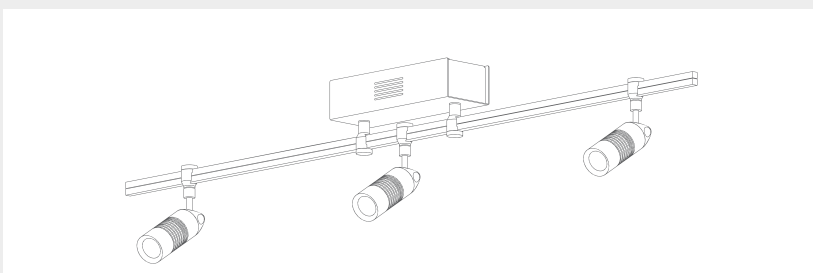
The delicate track system offers a multitude of creative forms of application. Alongside the option of designing curved track configurations, circular light objects and straight individual lighting solutions can also be designed.

LIGHT OBJECT
BEAUTY FREE



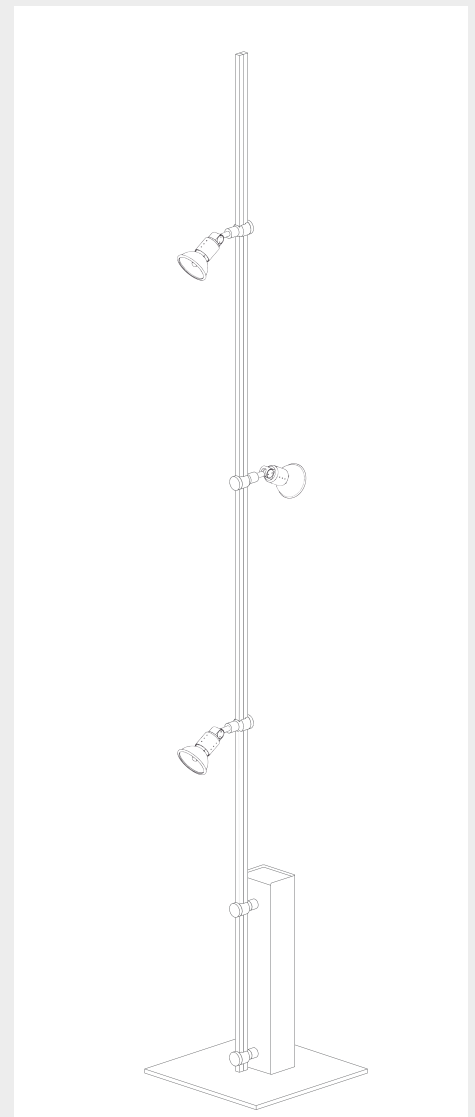
BEAUTY FREE is a light object which can be put together individually from the system components in the READY FOR TAKE OFF track system.

WALL / CEILING LUMINAIRE
SEVEN MILES FINAL

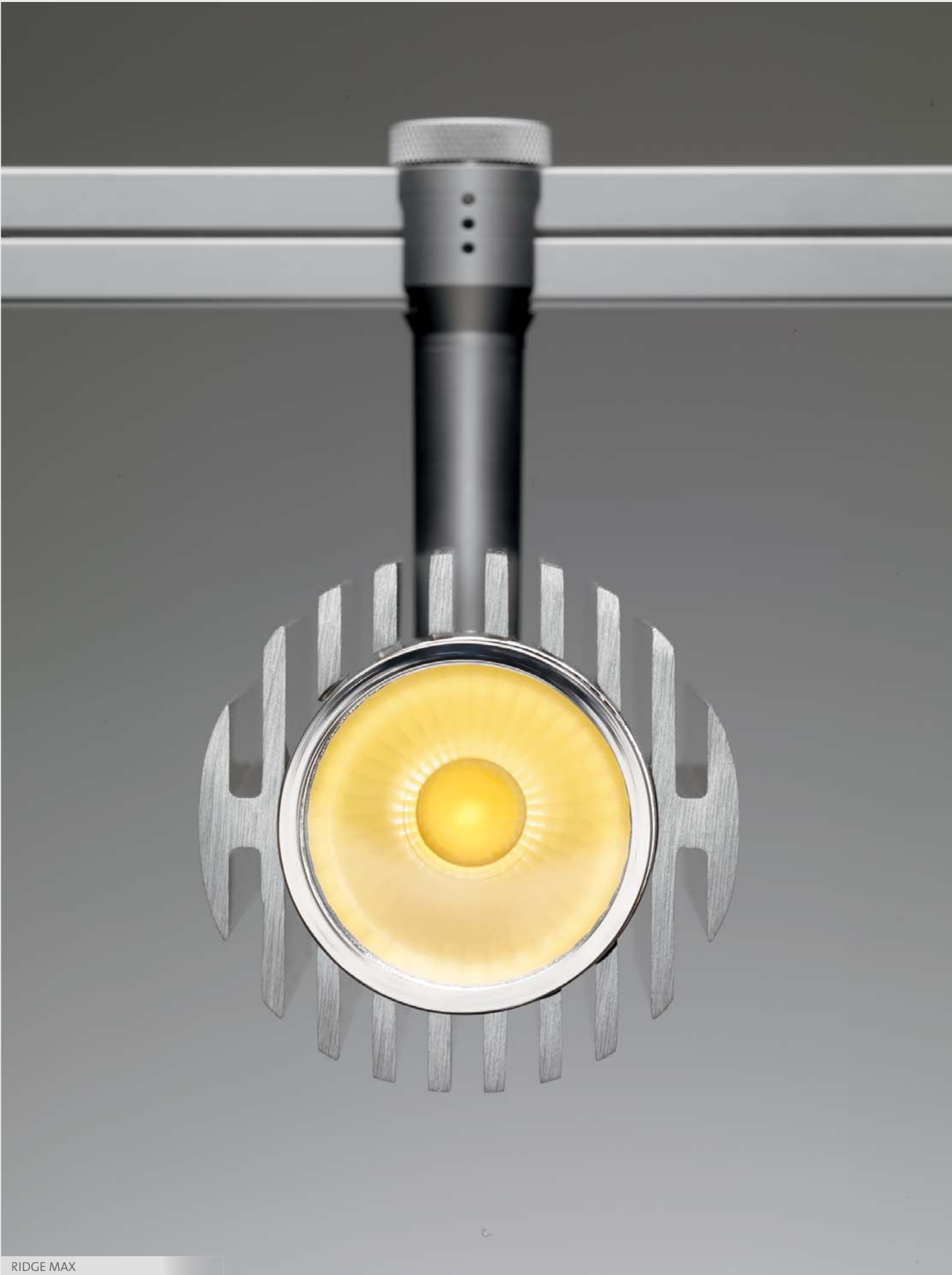


With the help of the decorative SEVEN MILES FINAL housing, the track system can be converted into a single luminaire.

FLOOR LUMINAIRE
ONE NIGHT STAND



ONE NIGHT STAND is a floor and side luminaire which can be assembled individually.



RIDGE MAX

RIDGE MAX

A distinctive heat sink with cooling ribs around the circumference characterises the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light distribution characteristics available to choose from for lighting planning. The matt black and matt chrome surfaces have a remarkable surface finish thanks to an intricate grinding pattern.

Design: OLIGO



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector
Non-dimmable

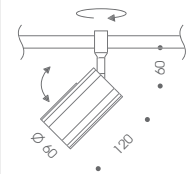
Output data
12 V / LED / 3500 K / 1200 lm /
15 W AC / 15 W DC / 26 or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

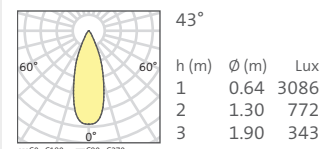
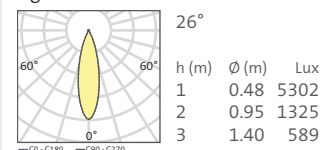
Weight
0.5 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION



Light distribution



COLOURS



Matt chrome /
Matt chrome



Chrome /
Matt white



Chrome /
Matt black

PRODUCT

Chrome rod and adapter

Type	lm	K	W	Angle	Body colour	Item number
LED	1200	3500	15	26°	Matt white	11-881-10-21
					Matt black	11-881-10-23
LED	1200	3500	15	43°	Matt white	11-881-30-21
					Matt black	11-881-30-23

PRODUCT

Matt chrome rod and adapter

Type	lm	K	W	Angle	Body colour	Item number
LED	200	3500	115	26°	Matt chrome	11-881-11-06
					Matt white	11-881-11-21
					Matt black	11-881-11-23
LED	1200	3500	15	43°	Matt chrome	11-881-31-06
					Matt white	11-881-31-21
					Matt black	11-881-31-23



RIDGE

RIDGE

The RIDGE LED spotlight is a little more delicate than its big brother. Here too, the distinctive cooling fins characterise the unmistakeable design. The high quality luminaire head made from aluminium has the same rotating and tilting functionality. With a luminous flux of 360 lumen, RIDGE is ideal for universal use in private living spaces, for example in studies, hallways or modern living and dining rooms. For RIDGE too, the matt black and matt chrome surfaces are refined with an intricate grinding pattern.

Design: OLIGO



FEATURES

Spotlight
Rotatable / swivelling
High performance reflector
Non-dimmable

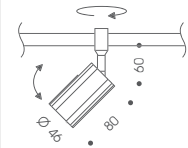
Output data
12 V / LED / 3000 K / 360 lm /
10.3 W AC / 7.6 W DC / 41° / CRI >85
Energy efficiency class: A

Material
Aluminium

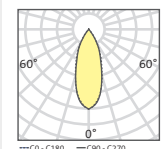
Weight
0.2 kg

Installation
Operation only possible on magnetic
12 V transformers or 12 V DC power
supply units.

TECHNICAL INFORMATION



Light distribution



h (m)	Ø (m)	Lux
1	0.69	691
2	1.39	173
3	2.08	77

COLOURS



Chrome /
Matt white



Matt chrome /
Matt white



Chrome /
Matt black

PRODUCT

Chrome rod and adapter

Type	lm	K	W	Body colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Matt white	11-889-11-21
				Matt black	11-889-11-23

PRODUCT

Matt chrome rod and adapter

Type	lm	K	W	Body colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Matt chrome	11-889-12-06
				Matt white	11-889-12-21

A LITTLE BIT MORE

With a luminous flux of 1,100 lumen, the A LITTLE BIT MORE LED spotlight offers outstanding brightness with individually definable light distribution characteristics. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass lens. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside.

Design: OLIGO



LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 60°
Non-dimmable

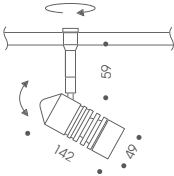
Output data
12 V / LED / 3500 K / 1100 lm /
11.5 W AC / 11.5 W DC / 20 - 60° /
CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

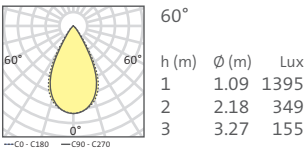
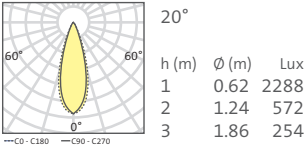
Weight
0.6 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION



Light distribution



COLOURS



Chrome /
Chrome

Matt chrome /
Matt chrome

Chrome /
Matt black

PRODUCT

Chrome rod and adapter

Type	lm	K	W	Body colour	Item number
LED	1100	3500	11.5	Chrome	11-882-10-05
				Matt white	11-882-10-21
				Matt black	11-882-10-23

PRODUCT

Matt chrome rod and adapter

Type	lm	K	W	Body colour	Item number
LED	1100	3500	11.5	Matt chrome	11-882-11-06
				Matt white	11-882-11-21
				Matt black	11-882-11-23

A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology, the qualities of which can be determined by means of a continuously adjustable lens. Different rod lengths also allow for different distances from the ceiling. A pendant luminaire matching this design is also available.

Design: OLIGO



FEATURES

Spotlight
Rotatable / swivelling
50 or 140 mm rod
Beam angle continuously adjustable between 20° and 60°
Non-dimmable

Output data
12 V / LED / 3000 K / 360 lm /
10.3 W AC / 7.6 W DC / 20 - 60° /
CRI >85
Energy efficiency class: A

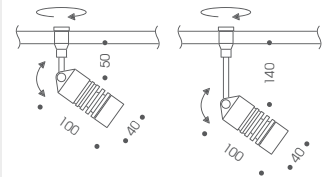
Material
Aluminium, glass lens

Weight
0.3 kg

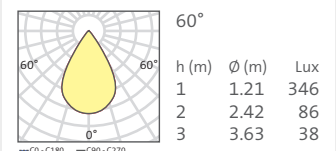
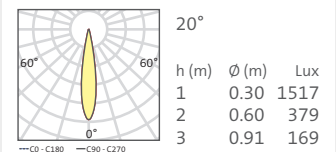
Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

LED
INTEGRIERT

TECHNICAL INFORMATION



Light distribution



COLOURS AND VARIANTS



Chrome /
50 mm



Matt chrome /
50 mm



Chrome /
140 mm



Matt chrome /
140 mm

PRODUCT

50 mm rod

Type	lm	K	W	Colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Chrome	11-898-12-05
				Matt chrome	11-898-12-06

PRODUCT

140 mm rod

Type	lm	K	W	Colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Chrome	11-898-22-05
				Matt chrome	11-898-22-06



LEVEL

REALISATION / PHOTO: TRAKIS

LEVEL

Balanced proportions and gimbal-mounted luminaire heads characterise the design of the LEVEL spotlights. They can move freely and can be positioned individually. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

LED
READY **IRC**
READY



Retrofit lamp

FEATURES

Spotlight
Gimbal-mounted lamp

Output data
12 V / G 53 / QR-LP 111
max. 1x 50 W + max. 2x 50 W
Energy efficiency class: A to C

Material
Metal

Weight
max. 1x 50 W: 0.3 kg
max. 2x 50 W: 0.5 kg

TECHNICAL INFORMATION

• 160 •

• 290 •

Installation
The minimum distance from the ceiling must be 150 mm.

VARIANTS

max. 1x 50 W

max. 2x 50 W

PRODUCT

Type	W	Colour	Item number
G 53 / QR-LP 111	max. 1x 50	Matt chrome	11-905-10-06
	max. 2x 50	Matt chrome	11-905-20-06

Lamps from page 463



LP 111

LP 111

The QR-LP 111 lamp determines the shape of the LP 111 spotlights and also led to its naming. It allows for precise illumination of larger areas even from greater distances. In addition, the spotlight is suitable for the use of LED retrofits and satisfies the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein



Retrofit lamp

LED
READY **IRC**
READY

FEATURES	TECHNICAL INFORMATION
<p>Spotlight Rotatable / swivelling</p> <p>Output data 12 V / G 53 / QR-LP 111 max. 50 W Energy efficiency class: A to C</p> <p>Material Metal</p> <p>Weight 0.3 kg</p>	

PRODUCT			
Type	W	Colour	Item number
G 53 / QR-LP 111	max. 50	Matt chrome	11-934-10-06

Lamps from page 463



GATE B FIVE

GATE B FIVE

Compact dimensions in a technical and elegant design have made the GATE B FIVE spotlight a timeless classic in private and commercial halogen lighting in many countries. GATE B FIVE is also suitable for the use of LED retrofits. The shape and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein

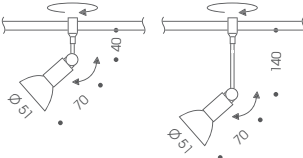
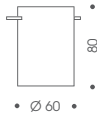
LED **IRC**
READY READY





R 2 decorative ring accessory

PRODUCT				
Luminaire				
Type	W	Length (mm)	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	40	Chrome	11-974-10-05
			Matt chrome	11-974-10-06
		140	Chrome	11-974-11-05
			Matt chrome	11-974-11-06
Lamps from page 463, accessories from page 473				

FEATURES
Spotlight Rotatable / swivelling 40 or 140 mm rod
Output data 12 V / GU 5.3 / QR-CBC 51 max. 50 W Energy efficiency class: A+ to C
Material Metal
Weight Luminaire: 0.1 kg Glass shade accessory: 0.2 kg

TECHNICAL INFORMATION
Luminaire 
GATE B TUBE glass shade 

ACCESSORIES
 
GATE B TUBE S 1 glass cap

PRODUCT	
GATE B TUBE glass shade accessory	
Colour	Item number
Partial satin finish	62-111-11-01



STREAM 51

MATCH

The timeless design of MATCH is optimised for the use of LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: OLIGO

LED
READY **IRC**
READY



Retrofit lamp

FEATURES

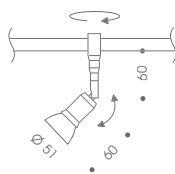
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.2 kg

TECHNICAL INFORMATION



STREAM 51

The elegant luminaire head made from aluminium surrounds the halogen lamp and gives the spotlight an aesthetic design. Fine surfaces in chrome and matt chrome round out the optical merits of STREAM 51. A pendant luminaire matching this design is available. Design: Ralf Keferstein



FEATURES

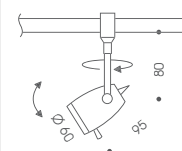
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-C 51 max. 50 W
Energy efficiency class: A+ to C
"Cool beam" lamps not permissible

Material
Metal

Weight
0.3 kg

TECHNICAL INFORMATION



COLOURS AND ACCESSORIES



Chrome



Matt chrome



R 2 decorative ring

COLOURS



Chrome



Matt chrome

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	11-892-10-05
		Matt chrome	11-892-10-06

Lamps from page 463, accessories from page 473

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-C 51	max. 50	Chrome	11-945-10-05
		Matt chrome	11-945-10-06

Lamps from page 463



NIGHT FLIGHT / GATE B FIVE

MX-2

A stainless steel bracket on the back characterises the design of MX-2. The spotlight is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution, and can be varied using separately available accessories.

Design: Ralf Keferstein

LED
READY **IRC**
READY



R 2 decorative ring accessory

FEATURES

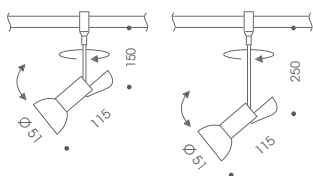
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

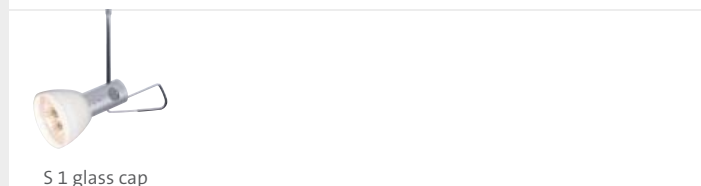
Material
Metal

Weight
0.2 kg

TECHNICAL INFORMATION



ACCESSORIES



S 1 glass cap

PRODUCT

Type	W	Length (mm)	Adapter colour	Item number
GU 5.3 / QR-CBC 51	max. 50	150	Chrome	11-959-10-06
			Matt chrome	11-959-20-06
		250	Matt chrome	11-959-30-06

Lamps from page 463, accessories from page 473

HIGH FLIGHT

The HIGH FLIGHT luminaire is both a decorative lighting element and a room light with a fascinating light scene. The temperature-resistant dissipative film ensures soft and homogeneous general lighting in the room.

Design: Ralf Keferstein

IRC
READY



FEATURES

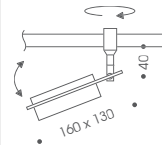
Ambient light
Rotatable / swivelling

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, temperature-resistant film

Weight
0.2 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Adapter colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	11-969-10-06 *
		Matt chrome	11-969-11-06 *

Lamps from page 463

* New in the range



GATE B NINE

GATE B NINE is suitable for use in large volume light sculptures, such as free floating circles or squares, for example. With its cylindrical form and the internal lamp, the spotlight provides selective downward lighting. GATE B NINE is also suitable for the use of LED retrofits.

Design: Ralf Keferstein



LED
READY

FEATURES

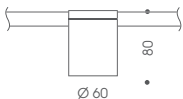
Spotlight

Output data
12 V / GU 5.3 / QR-C 51 max. 35 W
Energy efficiency class: A+ to C
“Cool beam” lamps not permissible

Material
Metal

Weight
0.2 kg

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-C 51	max. 35	Chrome	11-901-10-05
		Matt chrome	11-901-10-06

Lamps from page 463



MAGIC

GATE B TWO

The shape of the GATE B TWO room light is very minimalist. The similarity to the BALIBU 12 V pendant luminaire here in terms of shape is entirely intentional. Both luminaires can thus be combined into a lighting concept with consistent design language.

Design: Ralf Keferstein

IRC
READY



FEATURES

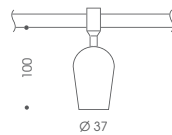
Ambient light

Output data
12 V / G 4 / QT-LP 9 max. 20 W
Energy efficiency class: A++ to E

Material
Metal, glass

Weight
0.2 kg

TECHNICAL INFORMATION



COLOURS



White

Pineapple

PRODUCT

Type	W	Colour	Item number
G 4 / QT-LP 9	max. 20	White	11-972-10-06/21
		Pineapple	11-972-10-06/32

Lamps from page 463

MAGIC

The white satin finished quality glass of the MAGIC luminaire ensures a homogeneous and very soft light scene. With repeated positioning, MAGIC is able to immerse the ceiling in a fascinating sea of light. MAGIC also shows its extraordinary lighting effect on large light objects such as circles or squares.

Design: Ralf Keferstein

IRC
READY



FEATURES

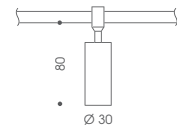
Ambient light

Output data
12 V / G 4 / QT-LP 9 max. 20 W
Energy efficiency class: A++ to E

Material
Metal, borosilicate glass

Weight
0.2 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Adapter colour	Item number
G 4 / QT-LP 9	max. 20	Chrome	11-961-10-05/21
		Matt chrome	11-961-10-06/21

Lamps from page 463



GRACE

GRACE

Height adjustable

GRACE numbers among the classics of decorative pendant luminaires worldwide. It is ideal for setting the scene at tables or counters. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The elegant bright chrome or brushed aluminium surfaces completely round out the GRACE profile. The luminaire is height adjustable using an integrated adjustment mechanism. It is integrated into the track system using the PULLEY-TO adapter.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened
Toolless lamp change

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Aluminium

Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately

max. 2000
80
Ø 130

COLOURS

Chrome Brushed aluminium

PRODUCT			
Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	10-931-10-05
		Brushed aluminium	10-931-10-12

Adapter page 323, lamps from page 463



PULL-IT

PULL-IT

Height adjustable

The attractive glass shade in combination with the distinctive metal cylinder gives the PULL-IT pendant luminaire and unmistakable appearance. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. The models with transparent or bright black shades direct all of the light onto the table top. A free-moving counterweight allows for continuous height adjustment of the luminaire. It is integrated into the track system using the PULLEY-TO adapter. The luminaire has been awarded multiple design prizes.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened

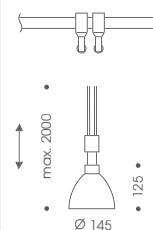
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, hand-blown glass

Weight
1.5 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



Bright black



Transparent



Matt white

PRODUCT

Chrome body

Type	W	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Bright black	10-952-10-05/22
		Matt white	10-952-10-05/21

Adapter page 323, lamps from page 463

PRODUCT

Matt chrome body

Type	W	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Transparent	10-952-10-06/01
		Matt white	10-952-10-06/21

Adapter page 323, lamps from page 463



ECOLINO GRANDE

ECOLINO GRANDE

Height adjustable

The domed glass shade of ECOLINO GRANDE is bent from flat glass using a special process. It characterises the luminaire and ensures generous lighting. The light satin finish on the glass gently refracts the light and immerses the room in a soft light. The ECOLINO GRANDE pendant luminaire can be set to any height using the integrated counterweight. It is integrated into the track system using the PULLEY-TO adapter.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened

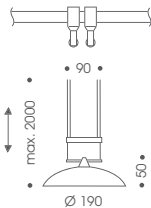
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, domed flat glass

Weight
0.7 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



Matt white



Pineapple

PRODUCT

Type	W	Body colour	Shade colour	Item number
GY 6.35 /	max. 50	Matt chrome	Matt white	10-981-20-06/21
QT-LP 12			Pineapple	10-981-20-06/32

Adapter page 323, lamps from page 463



HIGH FLIGHT GALLERY / TORINO

HIGH FLIGHT GALLERY

The HIGH FLIGHT GALLERY room light is intended for wall mounting and provides general lighting with a primarily upward light distribution. HIGH FLIGHT GALLERY is both a decorative lighting element and a room light with a fascinating light scene.

Design: Ralf Keferstein

IRC
READY



TAIFUN

The TAIFUN gallery spotlight is developed for wall mounting and optimally lights pictures in the area underneath it. It can be fitted with LED retrofit lamps and can be varied in appearance and light scene using separately available decorative rings and other accessories.

Design: Ralf Keferstein

LED
READY **IRC**
READY



FEATURES

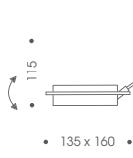
Ambient light
Swivelling

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, plastic, temperature-resistant film

Weight
0.2 kg

TECHNICAL INFORMATION



Installation
The luminaire must be installed in an upright position.
Minimum distance from ceiling 0.5 m.

FEATURES

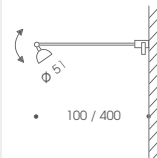
Gallery spotlight
Swivelling head
100 or 400 mm length

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



R 1 decorative ring

S 1 glass cap

PRODUCT

Type	W	Adapter colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	11-969-30-06 *
		Matt chrome	11-969-31-06 *

Lamps from page 463

PRODUCT

Type	W	Length (mm)	Body colour	Item number
GU 5.3 / QR-CBC 51	max. 50	100	Matt chrome	11-944-10-06
		400	Chrome	11-944-11-05
			Matt chrome	11-944-11-06

Lamps from page 463, accessories from page 473

* New in the range



TORINO

TORINO

The TORINO gallery spotlight is developed for wall mounting and optimally lights objects or pictures in the area underneath it. The delicate, curved arm gives the spotlight a particularly lightweight look. TORINO is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The appearance and light scene of TORINO can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

LED
READY **IRC**
READY



FEATURES

Gallery spotlight
Swivelling head



Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.1 kg

TECHNICAL INFORMATION

ACCESSORIES



R 2 decorative ring S 1 glass cap

PRODUCT

Type	W	Adapter colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	11-943-10-05
		Matt chrome	11-943-10-06

Lamps from page 463, accessories from page 473



GATE B FIVE with GATE B TUBE accessory
BEAUTY FREE custom design

BEAUTY FREE

for the READY FOR TAKE OFF track system

BEAUTY FREE is a light object which can be put together individually from the system components in the READY FOR TAKE OFF track system.

The track circles deliverable as standard have a diameter of 900 to 1,800 millimetres. A BEAUTY FREE light object technically comprises the main elements of the transformer, including suspensions, the track circle and the desired luminaires.

Alternatively, BEAUTY FREE can also be put together with an external transformer and an individual number of suspensions.

When putting the BEAUTY FREE components together, attention should be paid to a balanced weight distribution. OLIGO is happy to undertake the individual planning for you.

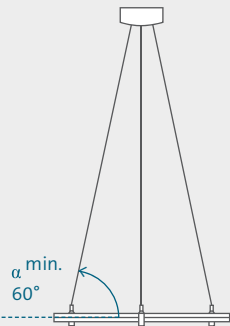
Design: Ralf Keferstein

BEAUTY FREE

The number of suspensions technically required is based on the desired diameter of the track circle. A track segment should always be supported by a suspension, so the number of tracks and suspensions is always identical.

For BASIC / 1, the minimum length of the cable suspension is also determined depending on the diameter of the full track circle used.

	Ø full track circle CIRCLE			
	900 mm	1200 mm	1500 mm	1800 mm
Number of SUSPENSIONS required	3	4	5	6
Minimum length of the cable suspension	650 mm	850 mm	1700 mm	3000 mm



During planning, please take care to ensure that the angle between the track circle and the suspension is not smaller than 60°.

BEAUTY FREE COMPONENTS



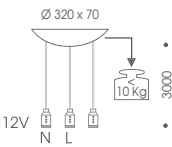
BASIC

230 V / 50-60 Hz / 12 V / max. 25 A / 300 VA

Magnetic transformer with 2 live suspensions and other non-conductive suspensions for various circle diameters
Cable cross section 4 mm²
Protection class 1
Can be shortened

Material
Galvanised metal

Design
Ralf Keferstein



Length (mm)	Colour	Item number
3x 3000	Matt chrome	12-990-15-06
4x 3000	Matt chrome	12-990-16-06
5x 3000	Matt chrome	12-990-17-06
6x 3000	Matt chrome	12-990-18-06

CIRCLE

Full circle, consisting of track sections and connectors
A track segment has a curve length of 942 mm
Individual track circle see page 326
Protection class 3

Material
Galvanised metal

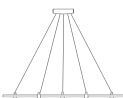
Design
Ralf Keferstein

Ø (mm)	Colour	Item number	Colour	Item number
900	Chrome	12-231-10-05	Matt chrome	12-231-10-06
1200	Chrome	12-231-11-05	Matt chrome	12-231-11-06
1500	Chrome	12-231-12-05	Matt chrome	12-231-12-06
1800	Chrome	12-231-13-05	Matt chrome	12-231-13-06

EXAMPLES



1x BASIC 3x 3 m
1x CIRCLE Ø 900



1x BASIC 5x 3 m
1x CIRCLE Ø 1500



Custom design



BEAUTY FREE
CHARLES

BEAUTY FREE COMPONENTS



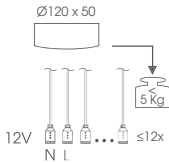
BASIC / 1

12 V / max. 25 A

Requires an external transformer
Order suspensions (SUSPENSION) and track circle (CIRCLE) separately
Suitable for up to 12x SUSPENSION
Protection class 3

Material
Galvanised metal

Design
Ralf Keferstein



Colour	Item number
Matt chrome	12-990-20-06



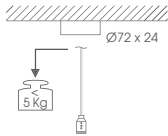
BASIC / 2

12 V / max. 25 A

Requires an external transformer
Order suspensions (SUSPENSION) and track circle (CIRCLE) separately
Suitable for 1x SUSPENSION each
Protection class 3

Material
Galvanised metal

Design
Ralf Keferstein



Colour	Item number
Matt chrome	12-990-21-06



SUSPENSION

Length 3000 mm
Cable cross section 6 mm²
Protection class 3
Can be shortened

S1 Conductive / N

Colour	Item number
Chrome	12-990-30-05
Matt chrome	12-990-30-06

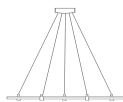
S2 Conductive / L

Colour	Item number
Chrome	12-990-31-05
Matt chrome	12-990-31-06

S3 Insulating

Colour	Item number
Chrome	12-990-32-05
Matt chrome	12-990-32-06

EXAMPLE

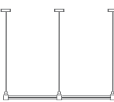


1x BASIC / 1
1x SUSPENSION S1
1x SUSPENSION S2
3x SUSPENSION S3
1x CIRCLE Ø 1500



1x BASIC / 1
2x SUSPENSION S1
2x SUSPENSION S2
2x SUSPENSION S3
2x CIRCLE Ø 900

EXAMPLE



3x BASIC / 2
1x SUSPENSION S1
1x SUSPENSION S2
1x SUSPENSION S3
1x CIRCLE Ø 900



BEAUTY FREE



CHURCH, EIDINGHAUSEN
LIGHT PLANNING: studiocandela, HERFORD
PHOTO: JOACHIM GROTHUS FOTOGRAFIE, BIELEFELD



ONE NIGHT STAND / STREAM 51

ONE NIGHT STAND

ONE NIGHT STAND is a floor and side luminaire which can be assembled individually in a typical READY FOR TAKE OFF design. ONE NIGHT STAND is a mechanical and electrical base unit comprising a robust and weighty track adapter and the electrical connection unit with a dimmable cable transformer. The busbar with a recommended length of 1,500 mm and the luminaires should be ordered separately. Installation does not require tools.

Design: Ralf Keferstein

ONE NIGHT STAND COMPONENTS

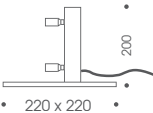


TRANSFORMER

230 V / 50-60 Hz / 12 V / 105 VA

Transformer for 12 V halogen luminaires
Track end caps in scope of delivery
Cable with sliding dimmer
Electronic transformer
Permissible secondary side cable length <2 m
Protection class 2

Material
Metal



TRACK

17 x 8 x 1000 / 1500 mm

Material
Galvanised metal

Type	Adapter colour	Item number
12 V / 105 VA	Chrome	44-955-21-23
	Matt chrome	44-955-20-23

Length (mm)	Colour	Item number
1000	Chrome	12-201-10-05
	Matt chrome	12-201-10-06
1500	Chrome	12-201-11-05
	Matt chrome	12-201-11-06





SEVEN MILES FINAL / A LITTLE BIT

SEVEN MILES FINAL

The SEVEN MILES FINAL designer housing is a canopy for ceiling or wall mounting. Two integrated adapters support and connect the busbar. A complete single luminaire consists of housing with an integrated transformer or switching power supply, as well as a busbar and the desired luminaires. All luminaires in the READY FOR TAKE OFF track system can be individually combined with SEVEN MILES FINAL.

For combination with pendant luminaires, an appropriate adapter must be ordered separately (see page 365).

Design: Ralf Keferstein

SEVEN MILES FINAL COMPONENTS

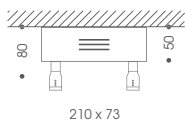


TRANSFORMER

230 V / 50-60 Hz / 12 V / 35-150 VA

Transformer for 12 V halogen luminaires
Track end caps included in scope of delivery
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers
Protection class 1

Material
Metal

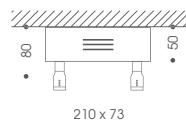


12 V DC SWITCHING POWER SUPPLY (LED)

230 V / 50-60 Hz / 12 V DC / 30 VA

Switching power supply for 12 V DC LED luminaires
Track end caps included in scope of delivery
Protection class 1

Material
Metal



BUSBAR

17 x 8 x 1000 / 1500 mm

Material
Galvanised metal

Type	Colour	Item number
12 V / 35-150 VA	Chrome	60-435-10-05
	Matt chrome	60-435-10-06

Type	Colour	Item number
12 V DC / 30 VA	Chrome	60-442-10-05
	Matt chrome	60-442-10-06

Length (mm)	Colour	Item number
1000	Chrome	12-201-10-05
	Matt chrome	12-201-10-06
1500	Chrome	12-201-11-05
	Matt chrome	12-201-11-06



DONATA / GATE B FIVE

PULLEY-TO

Luminaire adapter for
12 V pendant luminaires with
height adjustment

PULLEY-TO connects height adjustable low voltage pendant luminaires to the READY FOR TAKE OFF track system. Adjustable spacing pulleys connect the suspension cables for the various pendant luminaires. The luminaires are protected by a 5A/T fuse located in the adapter.

Design: Ralf Keferstein



FEATURES

Material
Metal

TECHNICAL INFORMATION

The net weight of the luminaires may require the use of additional track supports.

EXAMPLES OF HEIGHT ADJUSTABLE LUMINAIRES



GRACE
Page 303

PULL-IT
Page 305

ECOLINO GRANDE
Page 307

PRODUCT

Type	A	Colour	Item number
12 V	max. 5	Chrome	12-644-10-05
		Matt chrome	12-644-10-06

READY-IN

Luminaire adapter
for 12 V point luminaires

READY-IN is an adapter with integrated socket for all 12 V PLUG-IN point luminaires. This adapter provides additional design variety, in particular with regard to the integration of 12 V pendant luminaires into the track system. Suitable coaxial pendant luminaires as well as other spotlights can be found in the 12 V PLUG-IN chapter.

Design: Ralf Keferstein



FEATURES

Material
Metal

TECHNICAL INFORMATION

The net weight of the luminaires may require the use of additional track supports.

EXAMPLES OF 12 V PLUG-IN LUMINAIRES



IXION
Page 349

BOURBON
Page 361

A LITTLE BIT
Page 363

BALINO
Page 365

PRODUCT

Type	A	Colour	Item number
12 V	max. 5	Chrome	12-621-10-05
		Matt chrome	12-621-10-06

READY FOR TAKE OFF

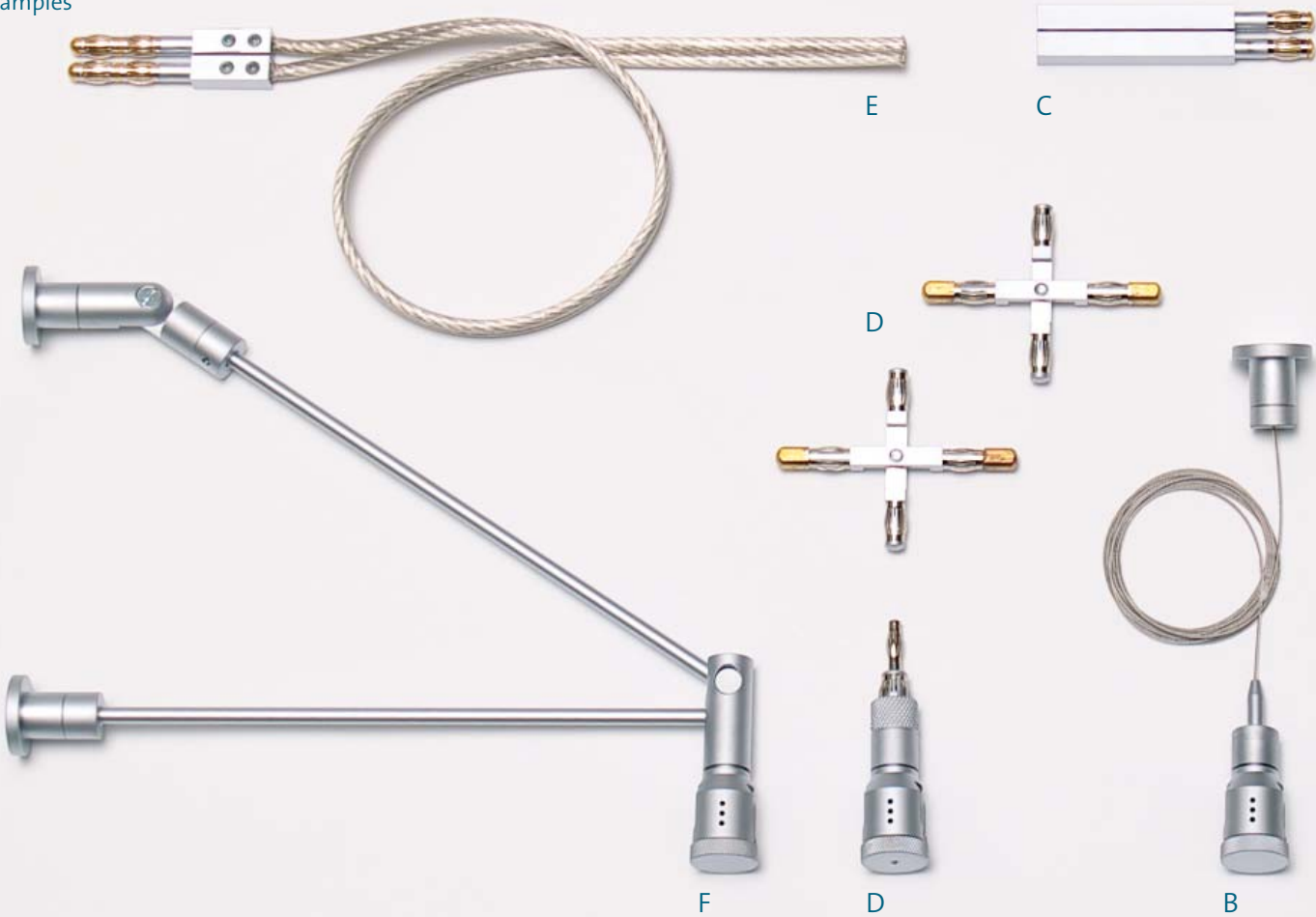
SYSTEM COMPONENTS

12 V / max. 25 A

The components in a track system vary according to the situation in which it is used and the customer's individual requirements. A functional system always consists of certain base components. The following checklist facilitates checking the completeness of



the system and serves as a guideline for choosing the right components.

Examples





SYSTEM COLOURS

-  Chrome
-  Matt chrome

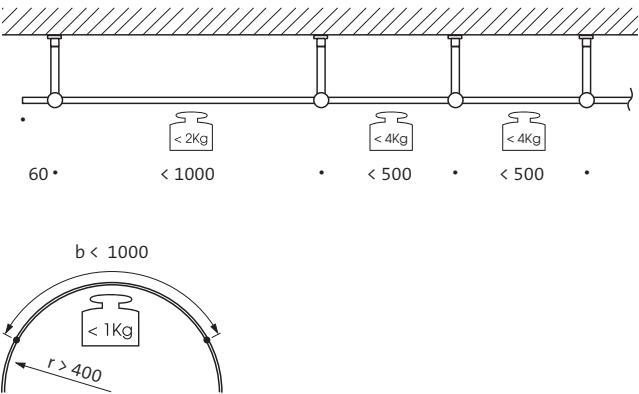
BASE COMPONENT CHECKLIST

- A Bus bar
- B Support / suspension
- C Connector
- D Power supply
- E End pieces / end caps
 - Transformer / power supply, in the system or external

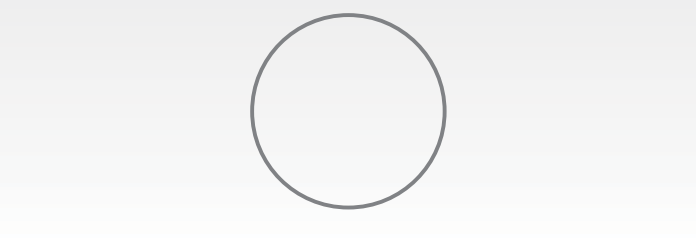
SPECIFIC COMPONENTS

- F Track arm
 - Picture mounting

DISTANCES AND WEIGHTS



1. TRACK



1.1 STRAIGHT

17 x 8 mm / 28 mm²
Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	1000	12-201-10-05
Matt chrome	1000	12-201-10-06
Chrome	1500	12-201-11-05
Matt chrome	1500	12-201-11-06

1.2 CURVED

17 x 8 mm / 28 mm
Can be shortened

r = (> 400 mm)

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	840	12-211-10-05
Matt chrome	840	12-211-10-06
Chrome	1340	12-211-11-05
Matt chrome	1340	12-211-11-06

1.3 CIRCLE

Full circle, consisting of track sections and connectors

Material
Metal

Design
Ralf Keferstein

Colour	Ø (mm)	Item number
Chrome	900	12-231-10-05
Matt chrome	900	12-231-10-06
Chrome	1200	12-231-11-05
Matt chrome	1200	12-231-11-06

Colour	Ø (mm)	Item number
Chrome	1500	12-231-12-05
Matt chrome	1500	12-231-12-06
Chrome	1800	12-231-13-05
Matt chrome	1800	12-231-13-06

1. TRACK



2. SUPPORT



1.4 VERTICAL

17 x 8 mm
Can be shortened

Compatible: 3.4 / 6.9

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	1000	12-221-10-05
Matt chrome	1000	12-221-10-06

2.1 SUPPORT Ø 14 mm

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	20	12-301-10-05
Matt chrome	20	12-301-10-06
Chrome	30	12-301-11-05
Matt chrome	30	12-301-11-06

2.2 COVER PLATE

Ø 24 x 4 mm
Optional accessory
Compatible: 2.1

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-311-10-05
Matt chrome	12-311-10-06

2.3 SUPPORT Ø 5 mm

Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	80	12-301-12-05
Matt chrome	80	12-301-12-06
Chrome	100	12-301-13-05
Matt chrome	100	12-301-13-06
Chrome	225	12-301-14-05
Matt chrome	225	12-301-14-06
Chrome	525	12-301-15-05
Matt chrome	525	12-301-15-06
Chrome	1025	12-301-16-05
Matt chrome	1025	12-301-16-06

2. SUPPORT**2.4 ADDITIONAL JOINT**

Swivel range 90° - 180°
Compatible: 2.1 / 2.3

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	62-303-01-05
Matt chrome	62-303-01-06

**2.5 SUSPENSION**

1500 mm
Can be shortened

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-331-10-05
Matt chrome	12-331-10-06

**2.6 SUPPORT, WALL**

30 x 21 x 24 mm

Material
Metal

Design
Ralf Keferstein

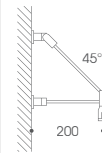
Colour	Item number
Chrome	12-321-10-05
Matt chrome	12-321-10-06

**2.7 TRACK ARM**

Wall clearance 200 mm
Can be shortened

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-351-10-05
Matt chrome	12-351-10-06

3. CONNECTOR**3.1**

For straight and curved track
Compatible: 1.1 / 1.2 (R > 1000 mm)

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-401-10-05

**3.2**

For curved track
Compatible: 1.2 (R < 1000 mm)

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-403-10-05

**3.3 INSULATING CONNECTOR**

For straight and curved track
Compatible: 1.1 / 1.2

Material
Plastic

Design
Ralf Keferstein

Insulating

Colour	Item number
Matt black	12-401-11-05

**3.4 VERTICAL CONNECTOR**

For vertical track
Compatible: 1.4

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-402-10-05

3. CONNECTOR



3.5 SWIVEL CONNECTOR

Swivel range 60 - 180°

Material
Metal

Design
Ralf Keferstein

Horizontal, conductive

Colour	Item number
Chrome	12-411-10-05
Matt chrome	12-411-10-06

Vertical, conductive

Colour	Item number
Chrome	12-411-11-05
Matt chrome	12-411-11-06

3.6 T CONNECTOR

Swivel range 60 - 90°

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-421-10-05
Matt chrome	12-421-10-06

3.7 X CONNECTOR

Swivel range 60 - 90°

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-431-10-05
Matt chrome	12-431-10-06

3.8 FLEX CONNECTOR

6 mm² / 50 mm

Material
Metal

Design
Ralf Keferstein

Conductive

Colour	Item number
Chrome	12-461-10-05
Matt chrome	12-461-10-06

4. END PIECE



4.1 END PIECE

17 x 8 x 60 mm

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-601-10-05
Matt chrome	12-601-10-06

4.2 END CAPS

8 x 8 x 12 mm

Material
Plastic

Design
Ralf Keferstein

Colour	Item number
Matt black	12-601-11-23

5. PICTURE MOUNTING



PICTURE MOUNTING, 1 PAIR

Material
Metal, plastic

Design
Ralf Keferstein

Colour	L (mm)	Item number
Black	1500	62-301-02-23

6. POWER SUPPLY



6.1 ROD

Can be shortened
Compatible: 8.1 / 8.2 / 11 / 12 / 13

Material
Metal

Design
Ralf Keferstein

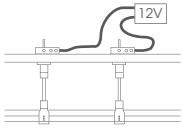
Colour	L (mm)	Item number
Chrome	250	12-513-10-05
Matt chrome	250	12-513-10-06
Chrome	500	12-513-11-05
Matt chrome	500	12-513-11-06

6. POWER SUPPLY**6.2 RECESSED**

Can be shortened
Compatible: 2.3
Rear locking

Material
Metal

Design
Ralf Keferstein



Colour	L (mm)	Item number
Chrome	250	12-513-20-05
Matt chrome	250	12-513-20-06
Chrome	550	12-513-21-05
Matt chrome	550	12-513-21-06

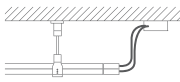
6.3 PLUG

End power supply

8 x 17 x 25 mm
6 mm²
Compatible: 8.3 / 9.1 / 10

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-10-05
Matt chrome	12-511-10-06

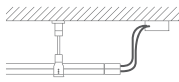
6.4 PLUG + CABLE

End power supply

8 x 17 x 25 mm
6 mm² / 500 mm
Can be shortened
Compatible: 11 / 12

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-11-05
Matt chrome	12-511-11-06

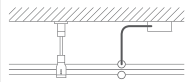
6.5 CLIPS

Central power supply, lateral

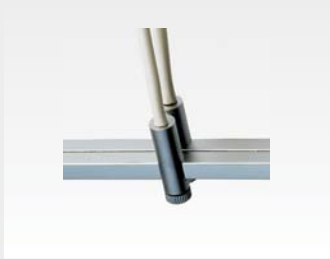
Ø 10 x 30 mm
6 mm²
Compatible: 8.3 / 9.1 / 14

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-20-05
Matt chrome	12-511-20-06

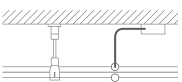
6. POWER SUPPLY**6.6 CLIPS + CABLE**

Central power supply, lateral

Ø 10 x 30 mm
6 mm² / 500 mm
Can be shortened
Compatible: 11 / 12

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-21-05
Matt chrome	12-511-21-06

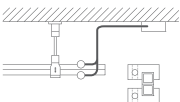
6.7 CLIPS

Central power supply, vertical

Ø 10 x 25 mm
6 mm²
Compatible: 8.3 / 9.1 / 10 / 14

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-30-05
Matt chrome	12-511-30-06

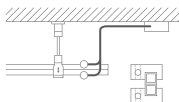
6.8 CLIPS + CABLE

Central power supply, vertical

Ø 10 x 25 mm
6 mm² / 500 mm
Can be shortened
Compatible: 11 / 12

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-511-31-05
Matt chrome	12-511-31-06

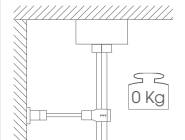
6.9 VERTICAL

End power supply

32 x 20 x 27 mm
Compatible: 1.4 / 11

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Matt chrome	12-531-10-06

7. POWER SUPPLY, AIR-BASE



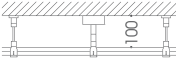
7.1 POWER SUPPLY

Ø 20 / 50 mm
Compatible: 2.3 (100 mm)

Order separately: 7.2

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-541-10-05
Matt chrome	12-541-10-06

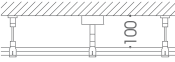
7.2 CANOPY

Ø 72 x 24 / 50 mm
Compatible: 2.3 (100 mm)

Order separately: 7.1

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-541-22-05
Matt chrome	12-541-22-06

8. POWER SUPPLY, CEILING



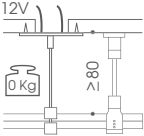
8.1 RECESSED

Ø 95 x 5 / 51mm
Compatible: 2.3 (≥ 80 mm)

Order separately: 6.1

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-501-10-05
Matt chrome	12-501-10-06

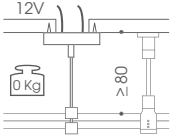
8.2 SURFACE MOUNTED

Ø 82 x 24 / 70mm
Compatible: 2.3 (≥ 80 mm)

Order separately: 6.1

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	12-501-11-05
Matt chrome	12-501-11-06

8. POWER SUPPLY, CEILING



8.3 SURFACE MOUNTED, SIDE CABLE

Ø 82 x 24 mm
4 mm² / 500 mm
Can be shortened
Compatible: 2.3 (≥ 80 mm)

Order separately: 6.3 / 6.5 / 6.7

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-501-12-05
Matt chrome	12-501-12-06

TRANSFORMERS AND DC POWER SUPPLY UNITS

Options for combination of LED luminaires and various lamp types with transformers and DC power supply units

Magnetic transformer	VA	Catalogue page	LED luminaires	Retrofit lamps	Conventional lamps	
PYRAMID	200 / 300	332	yes	yes	yes	Permissible LED luminaire or lamp combinations see table below
CHARGE	105 / 200 / 300	333	yes	yes	yes	
BEAUTY FREE / BASIC	300	314	yes	yes	yes	
external, e.g. MT 1	105 / ... / 400	478	yes	yes	yes	
Electronic transformer						
TRANSFORMER XT 105/150	105 / 150	333	-	-	yes	
TRANSFORMER 150	150	334	-	-	yes	
TRANSFORMER 150 - TO	150	334	-	-	yes	
ONE NIGHT STAND	105	319	-	-	yes	
SEVEN MILES FINAL	150	321	-	-	yes	
external, e.g. ET 1	105	476	-	-	yes	
12 V DC power supply unit						
CONNECT	60	334	yes	yes	-	The operation of LED luminaires and 12 V DC-compatible retrofit lamps within the same system is permissible
SEVEN MILES FINAL 12 V DC	30	319	yes	yes	-	
external, e.g. DC 1	45 / 60	478	yes	yes	-	

Permissible LED luminaire and lamp combinations within a **READY FOR TAKE OFF** track system with magnetic transformer

	LED luminaires	Retrofit lamps	Conventional lamps
LED luminaires	yes	-	yes *
Retrofit lamps	-	yes	yes *
Conventional lamps	yes *	yes *	yes *

* In order to avoid negatively affecting the service life of conventional lamps during simultaneous operation of LED luminaires and/or retrofit lamps, a load of at least 70% of the specified maximum capacity of the transformer should be ensured.

TRANSFORMERS

Designer housing

230 V / 50 – 60 Hz / 12 V / protection class 1



External transformers from page 476

9. PYRAMID



9.1 PYRAMID-1

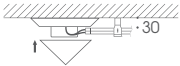
6 mm² / 500 mm
Magnetic SELV transformer, dimmable with type L dimmers

300 VA version including power inductor
Compatible: 2.1 (30 mm)

Order separately: Power supply 6.3

Material
Metal

Design
Ralf Keferstein



245 x 245 x 130 mm

Colour	VA	Item number
Matt chrome	200	60-122-10-06
Matt chrome	300	60-122-11-06

9.2 PYRAMID-2

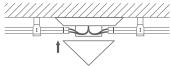
6 mm² / 500 mm
Magnetic SELV transformer, dimmable with type L dimmers

300 VA version including power inductor
Compatible: 2.1 (30 mm)

Order separately: 2x power supply 6.3

Material
Metal

Design
Ralf Keferstein



245 x 245 x 130 mm

Colour	VA	Item number
Matt chrome	200	60-122-20-06
Matt chrome	300	60-122-21-06

9. PYRAMID**9.3 PYRAMID-3**

6 mm² / 500 mm
Magnetic SELV transformer, dimmable with type L dimmers

300 VA version including power inductor
Compatible: 2.3 (≥ 100 mm)

Order separately: Power supply 6.3 / 6.5 / 6.7

Material
Metal

Design
Ralf Keferstein

245 x 245 x 130 mm

Colour	VA	Item number
Matt chrome	200	60-122-30-06
Matt chrome	300	60-122-31-06

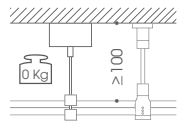
10. CHARGE-1

Magnetic SELV transformer, dimmable with type L dimmers
300 VA version including power inductor
Compatible: 2.3 (≥ 100 mm)

Order separately: Power supply 6.1 / 6.4 / 6.6 / 6.8

Material
Metal

Design
Ralf Keferstein



Ø 120 x 57 / 77 mm

Colour	VA	Item number
Chrome	105	60-126-10-05
Matt chrome	105	60-126-10-06

Ø 140 x 72 / 93 mm

Colour	VA	Item number
Chrome	200	60-126-11-05
Matt chrome	200	60-126-11-06
Chrome	300	60-126-12-05
Matt chrome	300	60-126-12-06

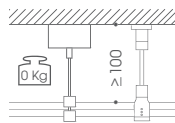
11. CHARGE-2

Magnetic SELV transformer, dimmable with type L dimmers
300 VA version including power inductor
Compatible: 2.3 (≥ 100 mm)

Order separately: Power supply 6.1 / 6.4 / 6.6 / 6.8

Material
Metal, plastic

Design
Ralf Keferstein



Ø 115 x 53 / 73 mm

Colour	VA	Item number
Matt white	105	60-127-10-21

Ø 140 x 65 / 85 mm

Colour	VA	Item number
Matt white	200	60-127-11-21
Matt white	300	60-127-12-21

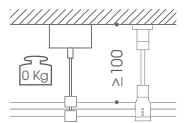
12. TRANSFORMER XT 105/150

Electronic transformer
Permissible secondary side cable length < 2 m
Compatible with "Type C" dimmers, capacitive
Compatible: 2.3 (≥ 100 mm)

Order separately: Power supply 6.1

Material
Metal

Design
Ralf Keferstein



Ø 103 x 53 / 100 mm

Colour	VA	Item number
Chrome	35-105	60-131-10-05
Matt chrome	35-105	60-131-10-06

210 x 75 x 52 / 100 mm

Colour	VA	Item number
Chrome	35-150	60-131-11-05
Matt chrome	35-150	60-131-11-06

13. TRANSFORMER 150



Electronic transformer
230 v / 50 - 60 Hz / 12 V / 150 VA
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers, capacitive
Compatible: 2.1 (30 mm)

Order separately: Power supply 6.3 / 6.5 / 6.7

Material
Metal

Design
Ralf Keferstein

210 x 75 x 54 mm / incl. 100/300 mm cable 2.5 mm²

Colour	VA	Item number
Chrome	35 - 150	60-132-10-05
Matt chrome	35 - 150	60-132-10-06


14. TRANSFORMER 150 - TO



Electronic transformer
230 V / 50-60 Hz / 12 V / 150 VA
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers, capacitive
Compatible: 2.3 (80 mm)

Material
Metal

Design
Ralf Keferstein



210 x 75 x 54 / 90 mm

Colour	VA	Item number
Chrome	35 - 150	60-133-10-05
Matt chrome	35 - 150	60-133-10-06

DC POWER SUPPLY UNIT

Designer housing
230 V / 50 – 60 Hz / 12 V DC / protection class 1



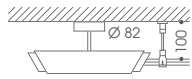
External 12 V DC power supply units from page 478

15. CONNECT / 12 V DC (LED)

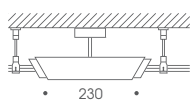


Ø 60 x 328 / 100 mm
Switching power supply
Compatible: 2.3 (100 mm)

Compatible with LED luminaires



Material
Metal



230

Colour	VA	Item number
Chrome	60	60-141-10-05
Matt chrome	60	60-141-10-06





PLUG-IN

INDIVIDUAL WISHES INCLUDED.

PLUG-IN is a delicate, versatile 12 V plug connector system. Much like the principle of plug and plug socket, the PLUG-IN luminaires are connected to the corresponding plug sockets. The plug connection can be detached at any time and allows for combination of the luminaires any way you like.

Depending on the installation situation and planned electrical installation, the system offers a wide variety of optical possibilities. High quality designer housing is intended for surface mounted installation. With an integrated transformer and up to five plug-in slots, the housing allows for the individual combination of single luminaires.

Plug sockets for recessed installation in suspended ceilings offer the option of designing individually tailored lighting concepts. PLUG-IN luminaires are offered with a variety of lighting technologies. Both LED and halogen luminaires are available to choose from.

The PLUG-IN system creates decorative accents and is recommended for use both in private living space and for the shop and property sector. It can be individually configured for any lighting requirements imaginable.

Design: Ralf Keferstein

CONTENTS	PAGE
System luminaires	342
System components	378
SHOP recessed system	417
Lamps	463
Lamp accessories	473

PLUG-IN

LUMINAIRE OVERVIEW

Low voltage plug connector system

LED LUMINAIRES

Spotlights



RIDGE MAX
Page 342



RIDGE
Page 343



A LITTLE BIT MORE
Page 346



A LITTLE BIT
Page 347

Pendant luminaires



BOURBON
Page 361



A LITTLE BIT
Page 363

LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights



LP 111
Page 349



IXION
Page 349



GATE B FIVE
Page 351



STREAM 51
Page 352



MATCH
Page 353



MX-2
Page 355

Room lights



BENE DICT
Page 357



HIGH FLIGHT
Page 357



CHARLES
Page 359

Pendant luminaires



BALINO
Page 365



GRACE
Page 367



PULL-IT
Page 369



BENE
Page 371



BALIBU
Page 373



DONATA
Page 375

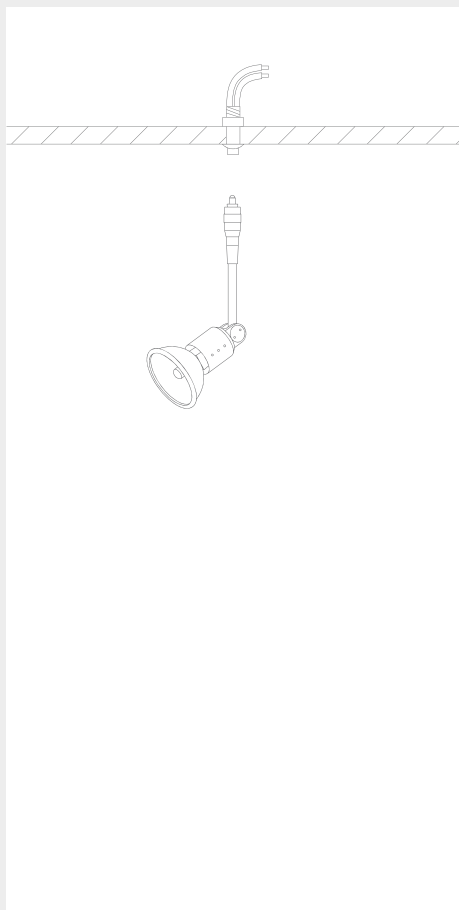


COCO
Page 377

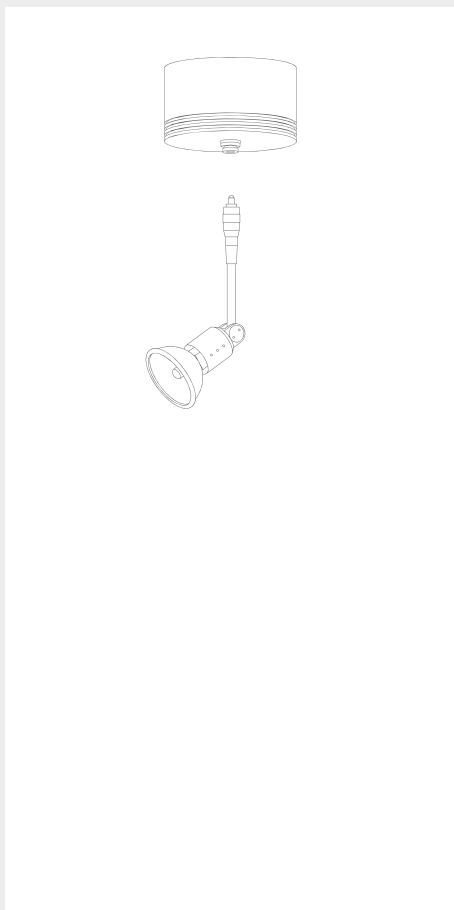
PLUG-IN

ONE SYSTEM, MANY OPTIONS

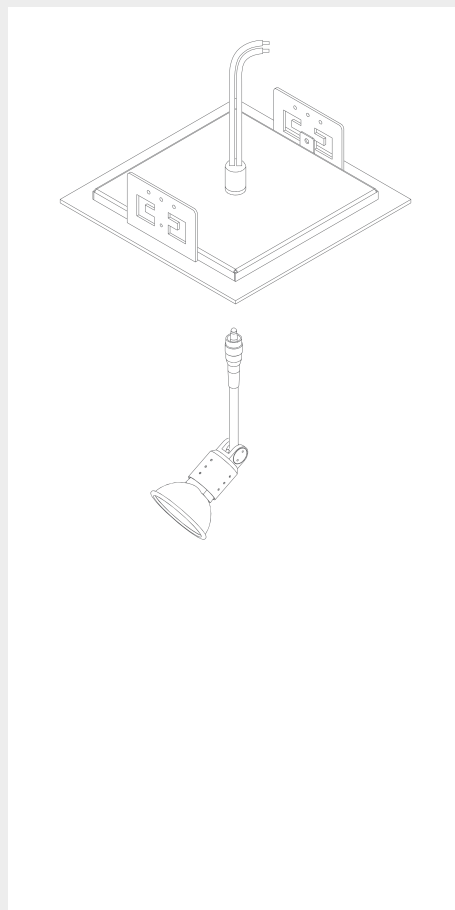
INSTALLATION
recessed in the ceiling



INSTALLATION
Surface mounted



ADAPTERS
Recessed system
[SHOP](#)



INSTALL QUICKLY AND SAFELY

The installation of PLUG-IN luminaires is remarkably simple. Thanks to the plug connection, the luminaires can be put into operation quickly and conveniently.

Once plugged into the two-pole socket, the luminaire is mechanically secured against detaching by the ridged sleeve. At the same time, precise swivelling is thus ensured for the system spotlights.

THE PLUG-IN INSTALLATION METHODS

Depending on the area of application, there are two installation methods:

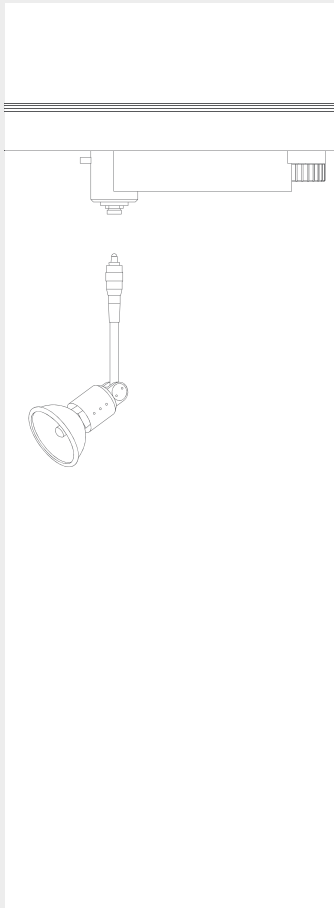
- Recessed installation with external transformer in suspended ceilings / cavity walls
- Surface mounted variant in the form of a ceiling canopy with integrated transformer on wall or ceiling surfaces.

The coaxial cable provided in the factory for pendant luminaires is always two metres long and can be shortened at the plug as you wish.

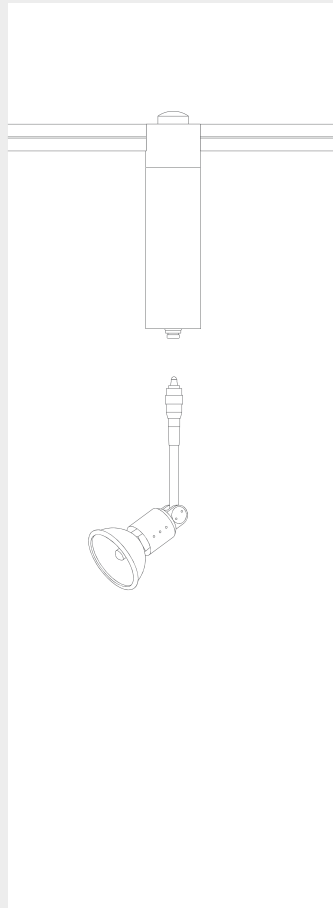
PLUG-IN

COMBINING AND EXPANDING

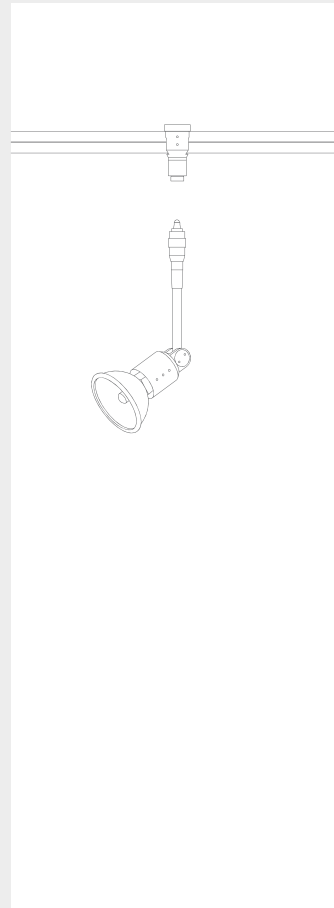
ADAPTERS
230 V track system
PHASE



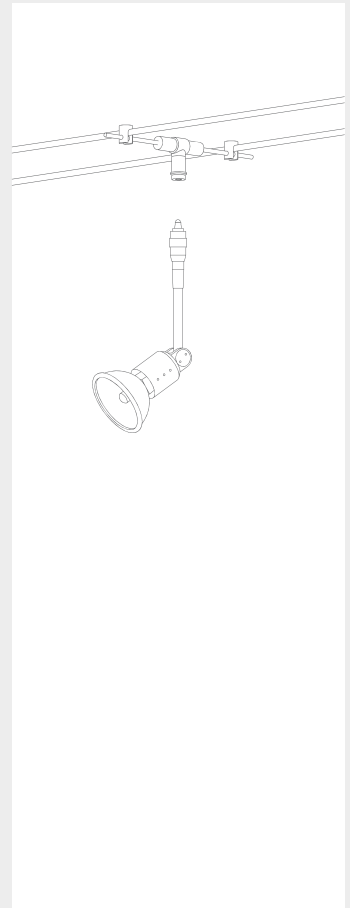
ADAPTERS
230 V track system
CHECK-IN



ADAPTERS
12 V track system
READY FOR TAKE OFF



ADAPTERS
12 V cable system
LIGHT-LINE



COMBINING PLUG-IN LUMINAIRES WITH HIGH VOLTAGE SYSTEMS

The luminaire range from the 12 V PLUG-IN system can be combined with a wide range of other OLIGO track and cable systems using a variety of adapter technology. The luminaires can be integrated into high voltage track systems using the PHASE-IN and CONTACT-TUBE adapter systems.

COMBINING PLUG-IN LUMINAIRES WITH LOW VOLTAGE SYSTEMS

The READY-IN and LIGHT-IN adapters allow for combination with the delicate 12 volt track and cable systems from OLIGO.

RIDGE MAX

The distinctive cooling ribs around the circumference characterise the design of the highly efficient RIDGE MAX LED spotlight. The luminaire head, made from aluminium, surrounds the 1,200 lumen LED and is connected to the adapter by a joint which tilts and swivels. There are two light distribution characteristics available to choose from for lighting planning. The black and matt chrome surfaces have a remarkable surface finish thanks to an intricate grinding pattern.

Design: OLIGO



IN-B socket

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector
Non-dimmable

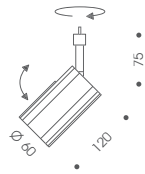
Output data
12 V / LED / 3500 K / 1200 lm /
15 W AC / 15 W DC / 26 or 43° /
CRI >80
Energy efficiency class: A+

Material
Aluminium

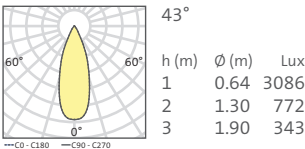
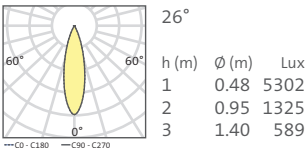
Weight
0.5 kg

Installation
Operation only possible on mag-
netic 12 V transformers or 12 V DC
power supply units.

TECHNICAL INFORMATION



Light distribution



COLOURS



PRODUCT

Type	lm	W	Angle	Adapter	Body colour	Item number
LED	1200	15	26°	Matt chrome	Matt chrome	13-881-11-06
				Chrome	Matt white	13-881-10-21
				Matt chrome	Matt white	13-881-11-21
				Matt white	Matt white	13-881-12-21
				Chrome	Matt black	13-881-10-23
LED	1200	15	43°	Matt chrome	Matt chrome	13-881-31-06
				Chrome	Matt white	13-881-30-21
				Matt chrome	Matt white	13-881-31-21
				Matt white	Matt white	13-881-32-21
				Chrome	Matt black	13-881-30-23

RIDGE

The RIDGE LED spotlight is a little more delicate than its big brother. The high quality luminaire head made from aluminium has the same rotating and tilting functionality. With a luminous flux of 360 lumen, RIDGE is ideal for universal use in private living spaces, for example in studies, hallways or modern living and dining rooms. For RIDGE too, the black and matt chrome surfaces are refined with an intricate grinding pattern.

Design: OLIGO



IN-B socket

LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
High performance reflector
Non-dimmable

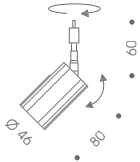
Output data
12 V / LED / 3000 K / 360 lm /
10.3 W AC / 7.6 W DC / 41° /
CRI >85
Energy efficiency class: A

Material
Aluminium

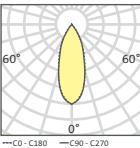
Weight
0.2 kg

Installation
Operation only possible on mag-
netic 12 V transformers or 12 V DC
power supply units.

TECHNICAL INFORMATION




Light distribution



h (m)	Ø (m)	Lux
1	0.69	691
2	1.39	173
3	2.08	77

COLOURS



Chrome /
Matt white

Matt white /
Matt white

Chrome /
Matt black

PRODUCT

Type	lm	K	W
LED	360	3000	10.3 AC / 7.6 DC

	Adapter colour	Body colour	Item number
	Matt chrome	Matt chrome	13-889-12-06
	Chrome	Matt white	13-889-11-21
	Matt chrome	Matt white	13-889-12-21
	Matt white	Matt white	13-889-10-21
	Chrome	Matt black	13-889-11-23



A LITTLE BIT with IN-B socket



A LITTLE BIT with IN-B socket

A LITTLE BIT MORE

The A LITTLE BIT MORE LED spotlight offers outstanding lighting technology with individually definable light distribution characteristics. With a luminous flux of 1,100 lumen and 3,500 kelvin, the spotlight is intended for use in shops and property. The beam angle can be continuously adjusted between 20° and 60° using the focusable glass lens. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside.

Design: OLIGO



LED
INTEGRIERT

FEATURES

Spotlight
Rotatable / swivelling
Beam angle continuously adjustable between 20° and 60°
Non-dimmable

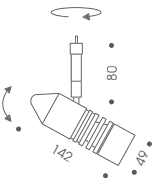
Output data
12 V / LED / 3500 K / 1100 lm /
11.5 W AC / 11.5 W DC / 20° - 60° /
CRI >80
Energy efficiency class: A+

Material
Aluminium, glass lens

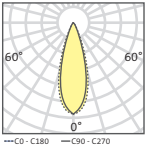
Weight
0.6 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

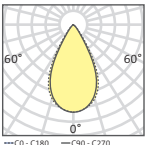
TECHNICAL INFORMATION



Light distribution



	h (m)	Ø (m)	Lux
1	0.62	2288	
2	1.24	572	
3	1.86	254	



	h (m)	Ø (m)	Lux
1	1.09	1395	
2	2.18	349	
3	3.27	155	

COLOURS



PRODUCT

Type	lm	W	Adapter colour	Body colour	Item number
LED	1100	11.5	Chrome	Chrome	13-882-10-05
			Matt chrome	Matt chrome	13-882-11-06
			Chrome	Matt white	13-882-10-21
			Matt white	Matt white	13-882-12-21
			Chrome	Matt black	13-882-10-23
			Matt black	Matt black	13-882-13-23

A LITTLE BIT

The A LITTLE BIT LED spotlight is slightly smaller in terms of size and light output, but just as variable when it comes to the light scene. Like its big brother, A LITTLE BIT also has efficient LED lighting technology, the qualities of which can be determined by means of a continuously adjustable lens. Different rod lengths also allow for different distances from the ceiling. A pendant luminaire matching this spotlight design is also available.

Design: OLIGO

LED
INTEGRIERT



IN-B socket

FEATURES

Spotlight
Rotatable / swivelling
50 or 140 mm rod
Beam angle continuously adjustable between 20° and 60°
Non-dimmable

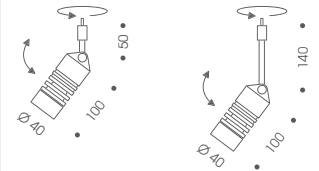
Output data
12 V / LED / 3000 K / 360 lm /
10.3 W AC / 7.6 W DC / 20° - 60° /
CRI >85
Energy efficiency class: A

Material
Aluminium, glass lens

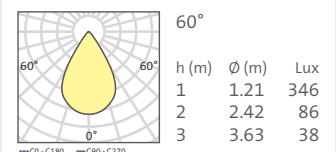
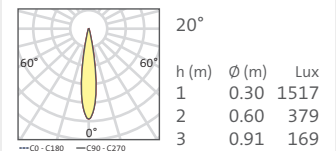
Weight
0.3 kg

Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION



Light distribution



COLOURS AND VARIANTS



Chrome /
50 mm



Matt chrome /
50 mm



Chrome /
140 mm



Matt chrome /
140 mm

PRODUCT

50 mm rod

Type	lm	K	W	Colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Chrome	13-898-22-05
				Matt chrome	13-898-22-06

PRODUCT

140 mm rod

Type	lm	K	W	Colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Chrome	13-898-32-05
				Matt chrome	13-898-32-06



LP 111 with 3-WAY transformer

LP 111

The rotatable and swivelling luminaire head of the LP 111 spotlight allows for precise lighting of a wide variety of objects and surfaces, even from large distances. LP 111 is suitable for the use of halogen and LED retrofit lamps and fulfil the current requirements for an energy-saving lighting solution.

Design: Ralf Keferstein

IXION

The luminaire head of the IXION spotlight is dominated by the QR-LP 111 lamp and gives this spotlight a distinctive, technical appearance. IXION is also suitable for the use of LED retrofits.

Design: Ralf Keferstein

LED
READY



IN-B socket and retrofit lamp

LED
READY



IN-B socket
and R 4 decorative ring accessory

FEATURES

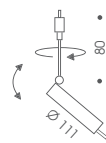
Spotlight
Rotatable / swivelling

Output data
12 V / G 53 / QR-LP 111 max. 50 W
Energy efficiency class: A to C

Material
Metal

Weight
0.3 kg

TECHNICAL INFORMATION



FEATURES

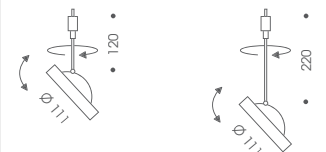
Spotlight
Rotatable / swivelling
120 or 220 mm rod

Output data
12 V / G 53 / QR-LP 111 max. 50 W
Energy efficiency class: A to C

Material
Metal

Weight
0.1 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Item number
G 53 / QR-LP 111	max. 50	13-934-10-06

Lamps from page 463

PRODUCT

Type	W	Length (mm)	Item number
G 53 / QR-LP 111	max. 50	120 mm	13-965-10-05
		220 mm	13-965-20-05

Lamps from page 463, accessories from page 473



GATE B FIVE with KEY-4 transformer and GATE B TUBE accessory

GATE B FIVE

Compact dimensions in a technical and elegant design have made GATE B FIVE a timeless classic in private and commercial halogen lighting in many countries. The spotlight is also suitable for the use of LED retrofits. The shape and light scene can be varied using decorative rings and other accessories.

Design: Ralf Keferstein

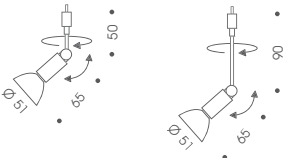
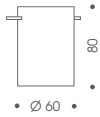
LED **IRC**
READY READY



IN-B socket and R 2 decorative ring accessory

PRODUCT				
Luminaire				
Type	W	Length (mm)	Colour	Item number
GU 5.3 / QR-C 51	max. 35	50	Chrome	13-974-10-05
			Matt chrome	13-974-10-06
GU 5.3 / QR-CBC 51	max. 50	90	Chrome	13-974-11-05
			Matt chrome	13-974-11-06
Lamps from page 463, accessories from page 473				

FEATURES
Spotlight Rotatable / swivelling 50 or 90 mm rod
Output data 50 mm: 12 V / GU 5.3 / QR-C 51 max. 35 W Energy efficiency class: A+ to C “Cool beam” lamps not permissible
90 mm: 12 V / GU 5.3 / QR-CBC 51 max. 50 W Energy efficiency class: A+ to C
Material Metal
Weight Luminaire: 0.1 kg Glass shade accessory: 0.2 kg

TECHNICAL INFORMATION
Luminaire 
GATE B TUBE glass shade 

ACCESSORIES
 
GATE B TUBE S 1 glass cap

PRODUCT	
GATE B TUBE glass shade accessory	
Colour	Item number
Partial satin finish	62-111-11-01

STREAM 51

The design of the STREAM 51 spotlight looks both dynamic and elegant. The elaborately manufactured luminaire head made from aluminium surrounds the halogen lamp and gives the luminaire an aesthetic design. Fine surfaces in bright chrome or matt chrome round out the optical merits of STREAM 51. There is a subtle spike on the underside which can be used to adjust the luminaire, even during use.

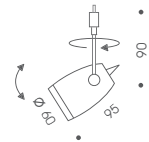
Design: Ralf Keferstein



FEATURES

- Spotlight
- Rotatable / swivelling
- Output data
- 12 V / GU 5.3 / QR-C 51 max. 50 W
- Energy efficiency class: A+ to C
- “Cool beam” lamps not permissible
- Material
- Aluminium
- Weight
- 0.3 kg

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome



Matt chrome,
Chrome front ring

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-C 51	max. 50	Chrome	13-945-11-05
		Matt chrome	13-945-11-06
		Matt chrome, chrome front ring	13-945-12-06

Lamps from page 463

MATCH

The timeless design of MATCH is optimised for combination with LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: OLIGO

LED
READY **IRC**
READY

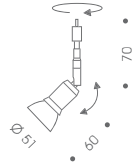


IN-B socket and LED retrofit lamp

FEATURES

- Spotlight
Rotatable / swivelling
- Output data
12 V / GU 5.3 / QR-CBC 51 max.
50 W
Energy efficiency class: A+ to C
- Material
Metal
- Weight
0.2 kg

TECHNICAL INFORMATION



COLOURS AND ACCESSORIES



PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	13-892-10-05
		Matt chrome	13-892-10-06

Lamps from page 463, accessories from page 473



MX-2 with KEY WEST transformer and R 2 decorative ring accessory

MX-2

The rotatable and swivelling head of the MX-2 spotlight is characterised by a stainless steel bracket on the back. While the slim body remains visually inconspicuous, it provides effective accent lighting for materials and objects. MX-2 is suitable for the use of LED retrofits and fulfils the current requirements for an energy-saving lighting solution. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

LED
READY **IRC**
READY

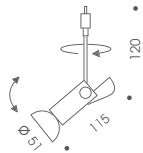


IN-B socket and R 2 decorative ring accessory

FEATURES

- Spotlight
Rotatable / swivelling
- Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
- Material
Metal
- Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



S 1 glass cap

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Matt chrome	13-959-10-06

Lamps from page 463, accessories from page 473



BENE DICT with IN-B socket

BENE DICT

The satin finished glass shade of the timeless BENE DICT causes diffuse light refraction and makes a softly glowing tube of the room light. The circumferential ring is both an exciting design element and the invisible mounting for the shade. A pendant luminaire matching BENE DICT is available.
Design: Ralf Keferstein



FEATURES
Ambient light
Output data 12 V / GY 6.35 / QT-LP 12 max. 35 W Energy efficiency class: A++ to C
Material Aluminium, borosilicate glass
Weight 0.3 kg

TECHNICAL INFORMATION


PRODUCT		
Type	W	Item number
GY 6.35 / QT-LP 12	max. 35	13-935-20-06/21
Lamps from page 463		

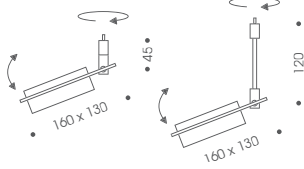
HIGH FLIGHT


NIGHT FLIGHT is both a decorative lighting element and a room light with a fascinating light scene. The temperature-resistant dissipative film ensures soft and homogeneous general lighting. Different rod lengths allow for variable distances from the ceiling.
Design: Ralf Keferstein



IN-B socket

FEATURES
Ambient light Rotatable / swivelling 40 or 120 mm rod
Output data 12 V / GY 6.35 / QT-LP 12 max. 50 W Energy efficiency class: A++ to C
Material Metal, plastic, temperature-resistant film
Weight 0.2 kg

TECHNICAL INFORMATION


VARIANTS

40 mm 120 mm

PRODUCT			
Type	W	Length (mm)	Item number
GY 6.35 / QT-LP 12	max. 50	40	13-969-10-06 *
		120	13-969-11-06 *
Lamps from page 463			

* New in the range



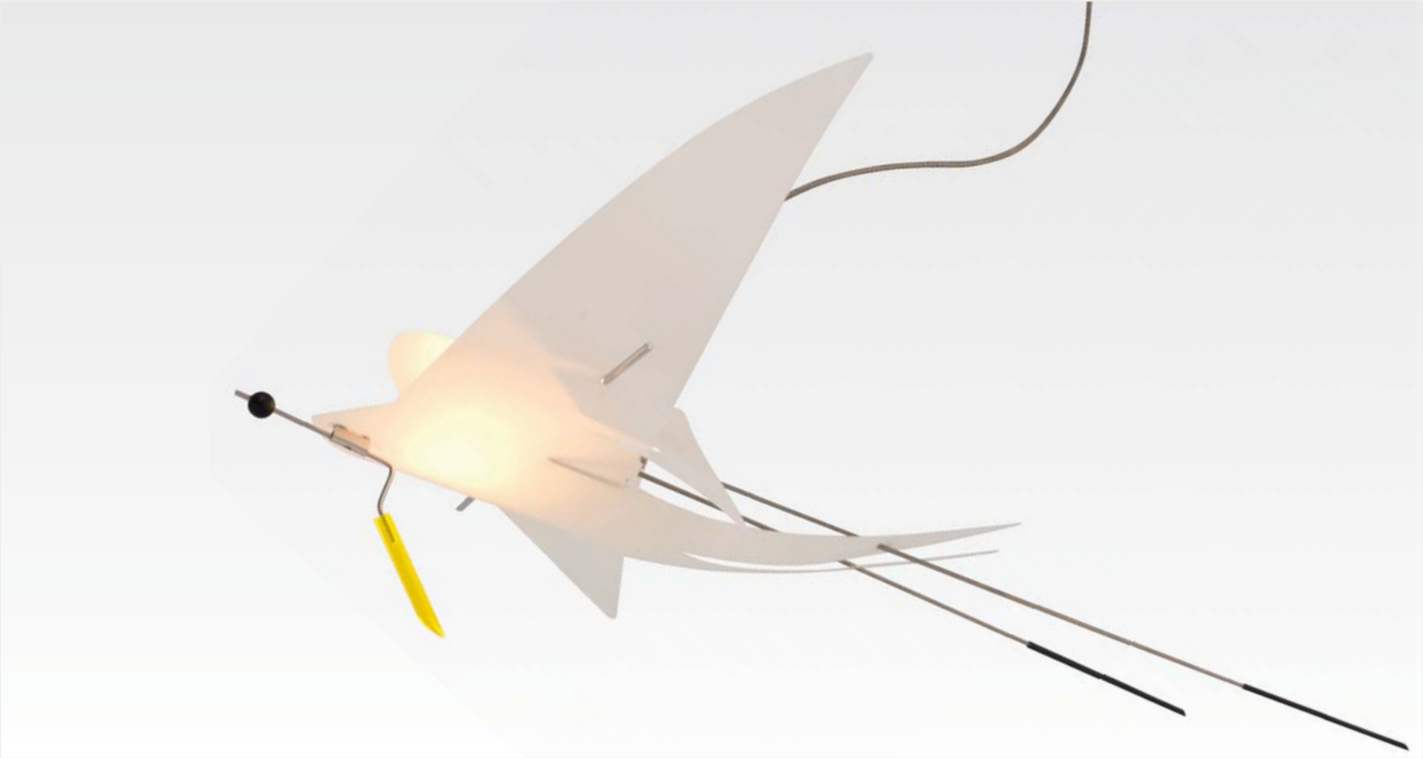
CHARLES with IN-B socket

CHARLES

The elegant and artistic handling of temperature-resistant dissipative film makes the CHARLES a decorative element which generates harmonious and soft room light. CHARLES cuts an effective and dapper figure both individually and in a swarm.

Design: Ralf Keferstein

IRC
READY



FEATURES

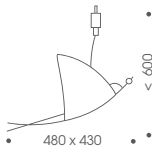
Ambient light

Output data
12 V / GY 6.35 / QT- LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, temperature-resistant film, suspension flexible coaxial cable

Weight
0.3 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Item number
GY 6.35 / QT-LP 12	max. 50	13-986-10-05

Lamps from page 463



BOURBON with SHOP recessed system

BOURBON

The shape of the satin finished glass shade is instantly reminiscent of a good glass of whiskey and is responsible for the naming of the LED pendant luminaire. The distinctive heat sink made from aluminium is an exciting contrast to the soft glass colours and has a touch dimmer integrated into the top for brightness control.

Design: OLIGO



FEATURES

Pendant luminaire
Can be shortened
Dimmer button
Memory function: Last light brightness value used is saved

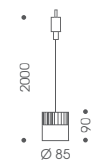
Output data
12 V / LED / 3000 K / 330 lm /
10.3 W AC / 7.6 W DC / CRI >85
Energy efficiency class: A

Material
Aluminium, hand-blown glass

Weight
0.3 kg

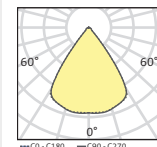
Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long available upon request.

Light distribution



h (m)	Ø (m)	Lux
1	1.40	284
2	2.90	71
3	4.3	32

COLOURS



Matt white /
Matt white



Matt chrome /
Bright green



Matt chrome /
Bright blue



Matt chrome /
Bright orange

PRODUCT

Heat sink matt white

Type	lm	K	W	Shade	Item number
LED	330	3000	10.3 AC / 7.6 DC	Matt white	13-876-10-21/21

PRODUCT

Heat sink matt chrome

Type	lm	K	W	Shade	Item number
LED	330	3000	10.3 AC / 7.6 DC	Matt white	13-876-10-06/21
				Bright green	13-876-10-06/35
				Bright blue	13-876-10-06/37
				Bright orange	13-876-10-06/29



A LITTLE BIT

A LITTLE BIT

The A LITTLE BIT pendant luminaire offers a highly flexible lighting solution. The elegant luminaire head made from aluminium integrates a lens which can be focused between 20° and 60°. For harmonious light distribution, the high quality lens body has been finished separately with a texture on the inside. The pendant luminaire can be dimmed using a button on the top. Elegant surfaces made from polished or matt aluminium round out the luminaire profile of A LITTLE BIT.

Design: OLIGO



FEATURES

Pendant luminaire
Can be shortened
Beam angle continuously adjustable between 20° and 60°
Dimmer button
Memory function: Last light brightness value used is saved

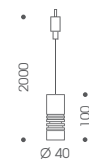
Output data
12 V / LED / 3000 K / 360 lm /
10.3 W AC / 7.6 W DC / 20° – 60° /
CRI >85
Energy efficiency class: A

Material
Aluminium

Weight
0.2 kg

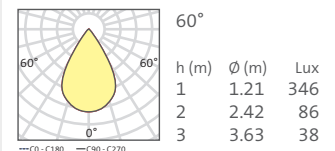
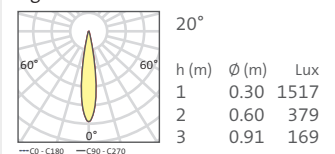
Installation
Operation only possible on magnetic 12 V transformers or 12 V DC power supply units.

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long available upon request.

Light distribution



COLOURS



Chrome



Matt chrome

PRODUCT

Type	lm	K	W	Colour	Item number
LED	360	3000	10.3 AC / 7.6 DC	Chrome	13-898-12-05
				Matt chrome	13-898-12-06



BALINO

BALINO

Hand-blown crystal glass forms the luminaire body of the small, spherical BALINO pendant luminaire. In the bright white, satin finished and orange models, the glass body is solidly coloured. For the tobacco and gold colours, the exclusive finishing with a crystal ice pattern on the interior of the lampshade creates a unique texture. Brilliant illumination highlights the charming lighting effect of this high quality pendant luminaire, which is available with a variety of shades. It is also available as a wall luminaire in the same design.

Design: OLIGO

IRC
READY



FEATURES

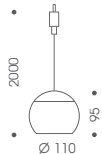
Pendant luminaire
Can be shortened

Output data
12 V / GY 6.35 / QT-LP 12 max. 35 W
Energy efficiency class: A++ to C

Material
Metal, glass









Weight
1.1 kg

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long available upon request.

COLOURS

 Chrome / Satin finish	 Matt chrome / Satin finish	 Chrome / Bright orange	 Matt black / Bright orange
 Matt chrome / Bright tobacco	 Matt black / Bright tobacco	 Matt chrome / Bright gold	 Matt black / Bright gold

PRODUCT

Type	W	Cover colour	Glass colour	Item number
GY 6.35 /	max. 35	Chrome	Satin finish	13-880-10-05/03
QT-LP 12		Matt chrome	Satin finish	13-880-10-06/03
		Matt chrome	Bright gold	13-880-10-06/08
		Matt black	Bright gold	13-880-10-23/08
		Chrome	Bright orange	13-880-10-05/29
		Matt black	Bright orange	13-880-10-23/29
		Matt chrome	Bright tobacco	13-880-10-06/40
		Matt black	Bright tobacco	13-880-10-23/40

Lamps from page 463



GRACE

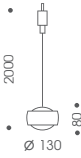
GRACE



Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. It is ideal for setting the scene at tables or counters. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The elegant surfaces in bright chrome or brushed aluminium completely round out the GRACE profile.

Design: Ralf Keferstein

IRC
READY



FEATURES	TECHNICAL INFORMATION
<p>Pendant luminaire Can be shortened Toolless lamp change</p> <p>Output data 12 V / GY 6.35 / QT-LP 12 max. 50 W Energy efficiency class: A++ to C</p> <p>Material Aluminium, glass</p> <p>Weight 0.6 kg</p>	 <p>Special length Suspension up to 5 m long available upon request.</p> <p>Installation The lamp can be changed without any tools.</p>

COLOURS AND VARIANTS	
	
Chrome	Brushed aluminium

PRODUCT			
Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	13-931-10-05
		Brushed aluminium	13-931-10-12

Lamps from page 463



PULL-IT

PULL-IT

The attractive glass shade in combination with the distinctive metal cylinder characterises the PULL-IT pendant luminaire and ensures an unmistakeable appearance. The hand-blown glass diffuser directs the light onto the table and at the same time provides pleasant general lighting in the room. In the model with transparent glass shade, the reflector insert directs all of the light onto the table top.

Design: Ralf Keferstein

IRC
READY



FEATURES

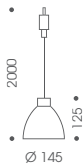
Pendant luminaire
Can be shortened

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, hand-blown glass

Weight
1.1 kg

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long available upon request.

COLOURS



Matt chrome /
Matt white

Matt chrome /
Transparent

Chrome /
Bright black

PRODUCT

Type	W	Body colour	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Matt chrome	Matt white	13-952-10-06/21
		Matt chrome	Transparent	13-952-10-06/01
		Chrome	Bright black	13-952-10-05/22

Lamps from page 463



BENE 250 mm

BENE

The satin finished glass of the lampshade causes diffuse light refraction and makes a softly glowing tube of the BENE pendant luminaire. The circumferential ring is both an exciting design element and the invisible mounting for the shade. A room light matching this pendant luminaire is also available. The luminaires can be fitted with energy-efficient low voltage halogen lamps.

Design: Ralf Keferstein

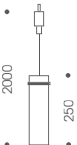
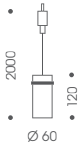
IRC
READY



FEATURES



- Pendant luminaire**
Can be shortened
120 or 250 mm shade length
- Output data**
Glass shade:
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C
- Material**
Aluminium, glass
- Weight**
With 120 mm shade: 0.2 kg
With 250 mm shade: 0.4 kg

TECHNICAL INFORMATION



Special length
Suspension up to 5 m long available upon request.

VARIANTS



120 mm

250 mm

PRODUCT

Type	W	mm	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	120	Matt white	13-935-10-06/21
		250	Matt white	13-935-11-06/21

Lamps from page 463



BALIBU

BALIBU

The elegantly shaped shade made from crystal glass gives the BALIBU pendant luminaire a light and timeless appearance. The hand-blown, satin finished glass shade makes each luminaire a unique item. There are four different glass colours to choose from. The light scene of the BALIBU varies according to the choice of lamp. With its possibility of creating effective atmospheres, the BALIBU often plays to its strengths in the property environment of hotels, restaurants or businesses.

Design: Ralf Keferstein



LED
READY **IRC**
READY

FEATURES

Pendant luminaire
Can be shortened

Output data
Satin finished shade:
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Partial satin finished shade:
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Aluminium,
hand-blown crystal glass,
white interior, opalised matt or clear
partial satin finished exterior

Weight
0.4 kg

TECHNICAL INFORMATION

Special length
Suspension up to 5 m long available
upon request.

COLOURS AND VARIANTS

Matt white
finish

Pineapple

Melon

Partial satin

PRODUCT			
Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Matt white	13-991-10-06/21
		Pineapple	13-991-10-06/32
		Melon	13-991-10-06/28
GU 5.3 / QR-CBC 51	max. 50	Partial satin finish	13-991-11-06/02
Lamps from page 463			



DONATA

DONATA

A conically shaped shade made from satin finished glass defines the restrained design of the DONATA pendant luminaire. It reflects the light and ensures even lighting in the room. DONATA is suitable for the use of energy-efficient low-voltage halogen lamps.

Design: Ralf Keferstein

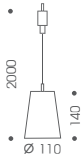
IRC
READY



FEATURES

- Pendant luminaire
Can be shortened
- Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C
- Material
Aluminium, borosilicate glass
- Weight
0.4 kg

TECHNICAL INFORMATION




Special length
Suspension up to 5 m long available upon request.

COLOURS



Matt white



Champagne

PRODUCT

Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Matt white	13-909-20-06/21
		Champagne	13-909-20-06/42

Lamps from page 463



COCO with IN-F socket

COCO

The slim and narrowly tapered glass of the COCO pendant luminaire allows it to become an elegant luminaire with a soft, homogeneous light scene. Four different glass colours for the lampshade open up a multitude of design possibilities. COCO can be fitted with energy-efficient low voltage halogen lamps.

Design: Ralf Keferstein

IRC
READY



FEATURES

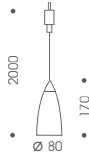
Pendant luminaire
Can be shortened

Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, hand-blown glass


Weight
0.4 kg

TECHNICAL INFORMATION




Special length
Suspension up to 5 m long available upon request.


COLOURS AND VARIANTS




Matt white



Pineapple



Melon



Matt red

PRODUCT			
Type	W	Shade colour	Item number
GY 6.35 / QT-LP 12	max. 50	Matt white	13-983-10-06/21
		Pineapple	13-983-10-06/32
		Melon	13-983-10-06/28
		Matt red	13-983-10-06/25
Lamps from page 463			

PLUG-IN

SYSTEM COMPONENTS

12 V / max. 5 A

The components in a point system vary according to the situation in which it is used and the customer's individual requirements.

The following summary offers an overview of the various options for the adapter.

Examples

A



B



C

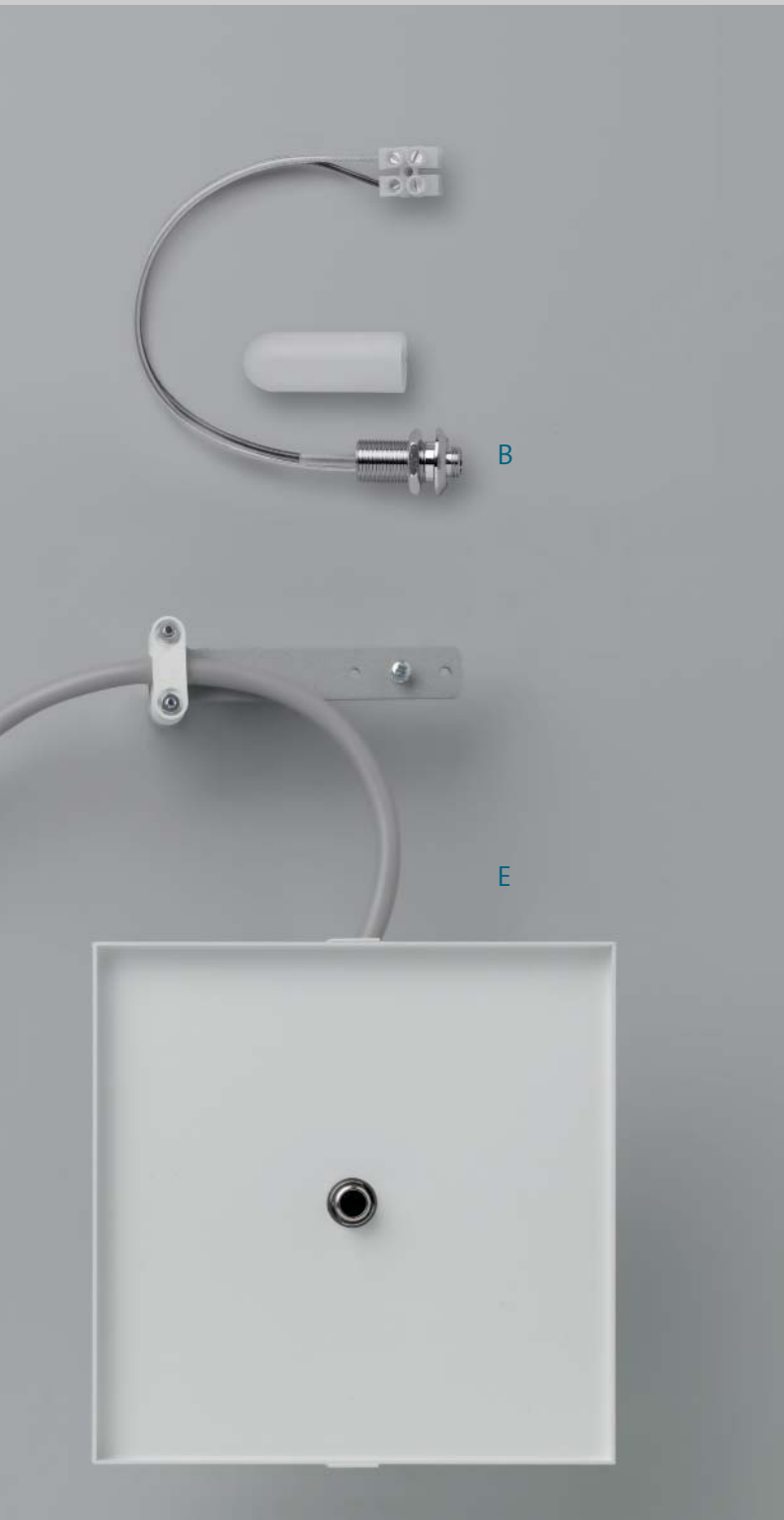


D





B





SYSTEM COLOURS

-  Chrome
-  Matt chrome

EXAMPLES OF ADAPTATIONS

- A Design housing for surface-mounted installation
- B Plug socket for recessed installation
- C Adapter for 12 V READY FOR TAKE OFF track system
- D Adapter for 230 V CHECK-IN track system
- E Modular unit for adaptation in the SHOP system



CHARLES and GATE B FIVE with KEY-5 transformer

TRANSFORMERS AND DC POWER SUPPLY UNITS

Options for combination of LED luminaires and various lamp types
with transformers and DC power supply units

Magnetic transformer	VA	Catalogue page	LED luminaires	Retrofit lamps	Conventional lamps	
LOCAL-A	1x 50	385	yes	yes	yes	
external, e.g. MT 1 with sockets, e.g. IN-B	105 / ... / 400	478	yes	yes	yes	Permissible LED luminaire or lamp combinations see table below
Electronic transformer						
KEY	1x / ... / 5x 50	384	-	-	yes	
WAY	2x / 3x 50	385	-	-	yes	
KEY WEST	1x / 2x 50	385	-	-	yes	
CONTACT TUBE	1x 60	386	-	-	yes	
PHASE-IN	1x 60	386	-	-	yes	
external, e.g. ET 1 with sockets, e.g. IN-B	105	476	-	-	yes	
12 V DC power supply unit						
CONTACT TUBE 12 V DC	1x 30	387	yes	yes	-	
external, e.g. DC 1 with sockets, e.g. IN-B	45 / 60	478	yes	yes	-	The operation of LED luminaires and 12 V DC-compatible retrofit lamps on the same DC power supply unit is permissible

Permissible LED luminaire and lamp combinations with multiple PLUG-IN sockets on
the same magnetic transformer

	LED luminaires	Retrofit lamps	Conventional lamps
LED luminaires	yes	-	yes *
Retrofit lamps	-	yes	yes *
Conventional lamps	yes *	yes *	yes *

* In order to avoid negatively affecting the service life of conventional lamps during simultaneous operation of LED luminaires and/or retrofit lamps, a load of at least 70% of the specified maximum capacity of the transformer should be ensured.

SOCKETS

Plug sockets for external transformers
and DC power supply units

12 V / max. 5 A / protection class 3

External transformers and
12 V DC power supply units from page 476

1. IN-A

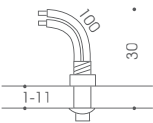


1.1 Plug socket

For drywall construction with panel thicknesses of between 1 and 11 mm

Ø 15 mm, rear screw connection
Installation opening Ø 11 mm

Material Metal
Design Ralf Keferstein



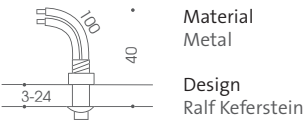
Colour	Item number
Chrome	14-401-10-05

1.2 Plug socket

For drywall construction with panel thicknesses of between 3 and 24 mm

Ø 20 mm, rear screw connection
Installation opening Ø 13 mm

Not suitable for installation on conductive materials



Colour	Item number
Chrome	14-401-11-05

2. IN-B

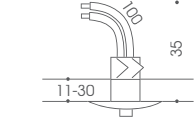


2.1 Plug socket

For invisible installation using leaf springs for panel thicknesses of 11 to 30 mm

Ø 40 mm
Installation opening Ø 32 mm

Material Metal
Design Ralf Keferstein



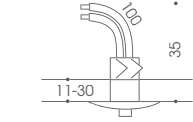
Colour	Item number
Chrome	14-402-10-05
Matt chrome	14-402-10-06
Matt white	14-402-10-21

2.2 Plug socket

For invisible installation using leaf springs for panel thicknesses of 11 to 30 mm

40 x 40 mm
Installation opening Ø 32 mm

Material Metal
Design Ralf Keferstein



Colour	Item number
Chrome	14-402-11-05
Matt chrome	14-402-11-06

2. IN-B



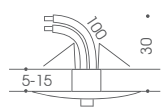
2.3 Plug socket

Suitable for covering an inspection opening for installing small electrical transformers.

Ø 70 mm
Installation opening Ø 58 mm
Only suitable for ceiling installation

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	14-402-12-05
Matt chrome	14-402-12-06
Matt white	14-402-12-21

3. IN-C



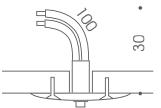
3.1 Plug socket

For front side screw mounting (visible)

Ø 40 mm
Installation opening Ø 18 mm
Only suitable for ceiling installation

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	14-403-10-05
Matt chrome	14-403-10-06
Matt white	14-403-10-21



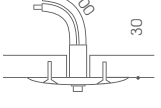
3.2 Plug socket

For front side screw mounting (visible)

40 x 40 mm
Installation opening Ø 18 mm

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	14-403-11-05
Matt chrome	14-403-11-06

4. IN-D

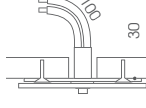


4.1 Plug socket

Cover plate for ceiling lining, concealed mounting screws

Ø 100 mm
Installation opening Ø 25 - 50 mm

Installation on standard concrete installation boxes possible



Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	14-404-10-05
Matt chrome	14-404-10-06
Matt white	14-404-10-21

4. IN-D

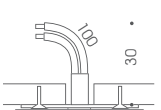


4.2 Plug socket

Cover plate for ceiling lining, concealed mounting screws

100 x 100 mm
Installation opening Ø 25 - 50 mm

Installation on standard concrete installation boxes possible



Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	14-404-11-05
Matt chrome	14-404-11-06
Matt white	14-404-11-21

5. IN-F



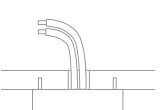
Plug socket

Surface mounted

Ø 72 x 24 mm
Installation opening Ø 10 - 20 mm

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	14-405-10-05
Matt chrome	14-405-10-06

CANOPIES

Designer housing
including transformer and plug sockets
230 – 240 V / 50 – 60 Hz / 12 V / protection class 1

6. KEY canopy

- 200 •
- 400 •
- 600 •



- 300 • 300 •
- 500 • 500 •



6.1 KEY-2

2x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

Colour	L (mm)	Item number
Matt chrome	270	14-411-20-06
Matt chrome	470	14-411-21-06
Matt chrome	670	14-411-22-06

6.2 KEY-3

3x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

Colour	L (mm)	Item number
Matt chrome	670	14-411-31-06
Matt chrome	1150	14-411-32-06

6. KEY canopy

- 330 • 330 • 330 •
- 500 • 500 • 500 •



- 375 • 375 • 375 • 375 •



6.3 KEY-4

4x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

Colour	L (mm)	Item number
Matt chrome	1150	14-411-41-06
Matt chrome	1700	14-411-42-06

6.4 KEY-5

5x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers

Material
Metal

Design
Ralf Keferstein

W 60 x H 40 mm

Colour	L (mm)	Item number
Matt chrome	1700	14-411-50-06

7. WAY canopy

• 580 •



• 580 • 580 •

**7.1 2-WAY**

2x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers
Chrome or brushed aluminium side faces, matt white or matt black body

Material
Metal

L 780 x W 70 x H 45 mm

Side faces	Body	Item number
Chrome	Matt white	14-412-21-05
Chrome	Matt black	14-412-20-05
Brushed aluminium	Matt white	14-412-21-12
Brushed aluminium	Matt black	14-412-20-12

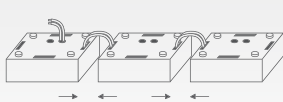
7.2 3-WAY

3x 35 - 50 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers
Chrome or brushed aluminium side faces, matt white or matt black body

Material
Metal

L 1360 x W 70 x H 45 mm

Side faces	Body	Item number
Chrome	Matt white	14-412-31-05
Chrome	Matt black	14-412-30-05
Brushed aluminium	Matt white	14-412-31-12
Brushed aluminium	Matt black	14-412-30-12

8. KEY WEST canopy

• 75 •

**LED**
READY

The housing is designed such that barely noticeable through-wiring of multiple KEY WESTs is possible.

The body and acrylic glass plates can be combined freely.

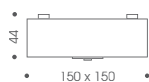
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with type C dimmers

Material
Metal

Design
Ralf Keferstein

8.1

1x 20 - 50 VA

**Body**

Colour	Item number
Chrome	14-415-10-05
Matt chrome	14-415-10-06
Brushed aluminium	14-415-10-12

Acrylic glass plate

Colour	Item number
White	14-415-11-20
Green	14-415-11-35
Black	14-415-11-22

8.2

2x 35 - 50 VA

**Body**

Colour	Item number
Chrome	14-415-20-05
Matt chrome	14-415-20-06
Brushed aluminium	14-415-20-12

Acrylic glass plate

Colour	Item number
White	14-415-22-20
Green	14-415-22-35
Black	14-415-22-22

9. LOCAL-A canopy

50 VA
SELV magnetic transformer
Compatible with "Type L" dimmers

Also suitable for 12 V luminaires with LED technology or LED retrofit lamps

Material
Metal

Design
Ralf Keferstein

Ø 87 x H 49 mm

Colour	Item number
Chrome	14-414-10-05
Matt chrome	14-414-10-06
Matt white	14-414-10-21 *

* New in the range

SYSTEM ADAPTER

for the integration of PLUG-IN luminaires
into track, cable and recessed systems

10. 230 V SYSTEM ADAPTER

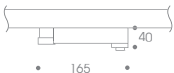


10.1 PHASE-IN

1x 20 - 60 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Compatible with the PHASE track system

Material
Metal



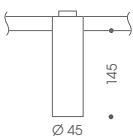
Colour	Item number
Chrome	33-621-10-06
Matt white	33-621-10-21

10.2 CONTACT TUBE

1x 35 - 60 VA
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers

Compatible with the CHECK-IN track system

Material
Metal



Colour	Item number
Chrome	31-621-10-05
Matt chrome	31-621-10-06

10. 230 V SYSTEM ADAPTER



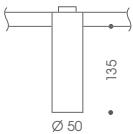
10.3 CONTACT TUBE / 12 V DC (LED)

1x 10 VA
DC power supply unit
230 V / 50 - 60 Hz / 12 V DC

Suitable for 12 V luminaires with LED technology
or 12 V DC retrofit lamps

Compatible with the CHECK-IN track system

Material
Metal



Colour	Item number
Chrome	31-621-11-05
Matt chrome	31-621-11-06

11. 12 V SYSTEM ADAPTER



11.1 READY-IN

max. 5 A
Compatible with the READY FOR
TAKE OFF
track system

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-621-10-05
Matt chrome	12-621-10-06

11.2 LIGHT-IN

max. 5 A
Compatible with the LIGHT-LINE
cable system

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	16-611-10-05
Matt chrome	16-611-10-06

12. SHOP RECESSED LUMINAIRES



MOD 3 adapter

SHOP is a modular recessed spotlight range which also offers plugs for point
luminaires, among other things

More information about SHOP: Page 417



LIGHT-LINE

LIGHT LIGHTS.

LIGHT-LINE is a delicate 12 volt cable system and a veritable all-rounder. It fits into any architecture with ease, and is a flexible problem solver particularly in historic buildings and private old buildings.

With a gauge of 110 millimetres, rooms are spanned subtly and with a dedicated function. The copper cable allows the system to fade into the background and sets the stage for the light.

The range of luminaires comprises timeless classic spotlights and artfully designed light objects.

Equipped with high performance low voltage lamps, LIGHT-LINE can be used as an application-oriented lighting solution, as a creative lighting concept in private living space or as a sleek looking lighting solution.

Design: Ralf Keferstein

CONTENTS	PAGE
System luminaires	395
Adapters	407
System components	408
Lamps	463
Lamp accessories	473



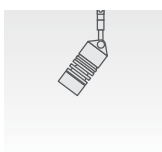
LIGHT-LINE

LUMINAIRE OVERVIEW

Low voltage cable system

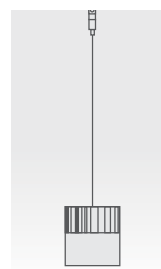
LED LUMINAIRES

Spotlights



PLUG-IN
Adapter page 407
Luminaires from page 337

Pendant luminaires



PLUG-IN
Adapter page 407
Luminaires from page 337

LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlights / ambient lights



GALERIE
Page 395



FUTURA
Page 397



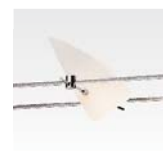
YPS
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DELTA
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IGUA
Page 401



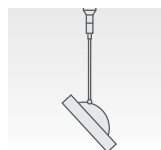
MOSQUITO
Page 401



OKI-DOKI
Page 403



CHARLES
Page 403



PLUG-IN
Adapter page 407
Luminaires from page 337

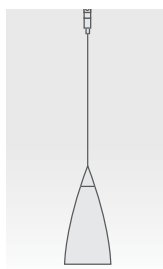
Pendant luminaires



GRACE
Page 405



ECOLINO GRANDE
Page 406

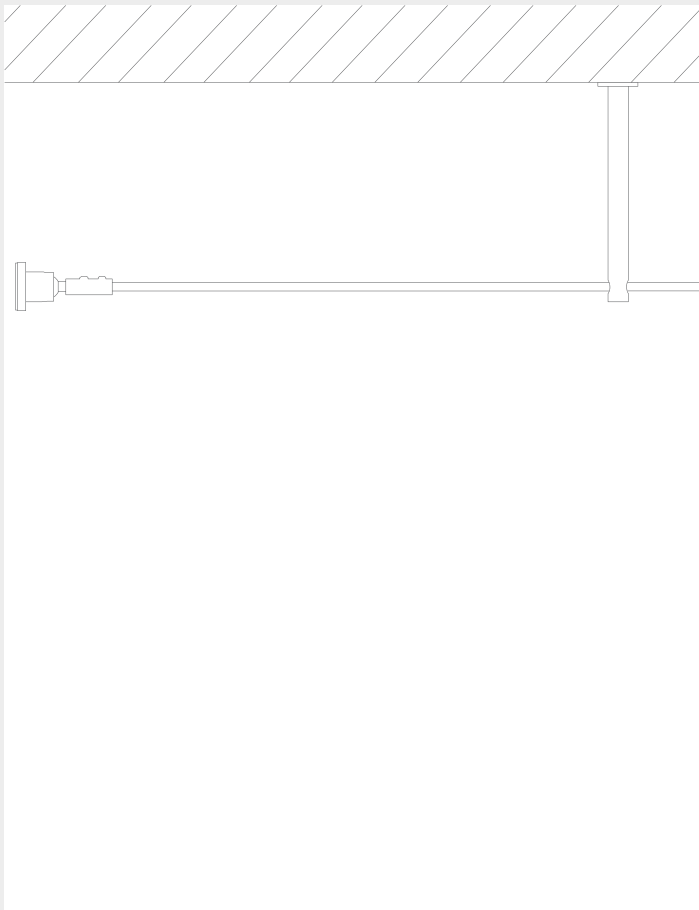


PLUG-IN
Adapter page 407
Luminaires from page 337

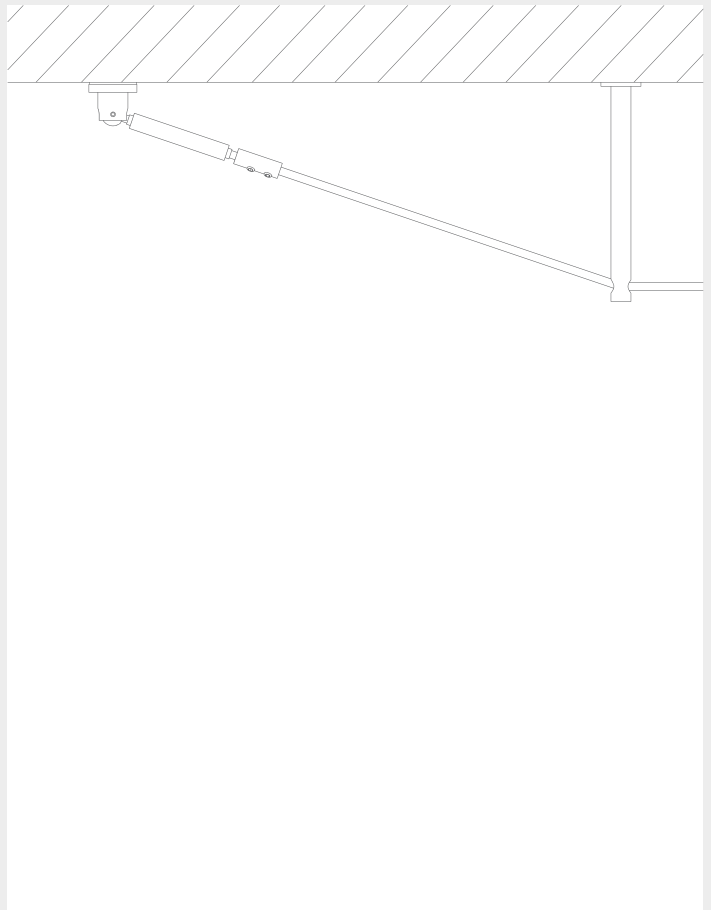
LIGHT-LINE

FLEXIBILITY WITH A SYSTEM

INSTALLATION
wall



INSTALLATION
ceiling



VARIOUS FORMS OF INSTALLATION

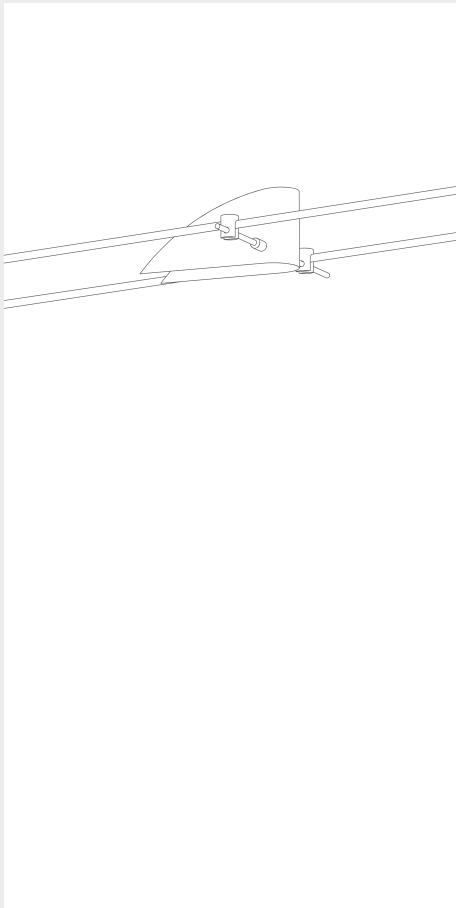
LIGHT-LINE is a cable system that can be used flexibly, which offers strong lighting solutions even in challenging room situations. LIGHT-LINE can be installed across corners and in sloping roofs. Crossing cable configurations or shapes are also possible.

The extensive range, consisting of cable tensioners, connectors, supports and pulleys, opens up an extraordinary variety of possible solutions.

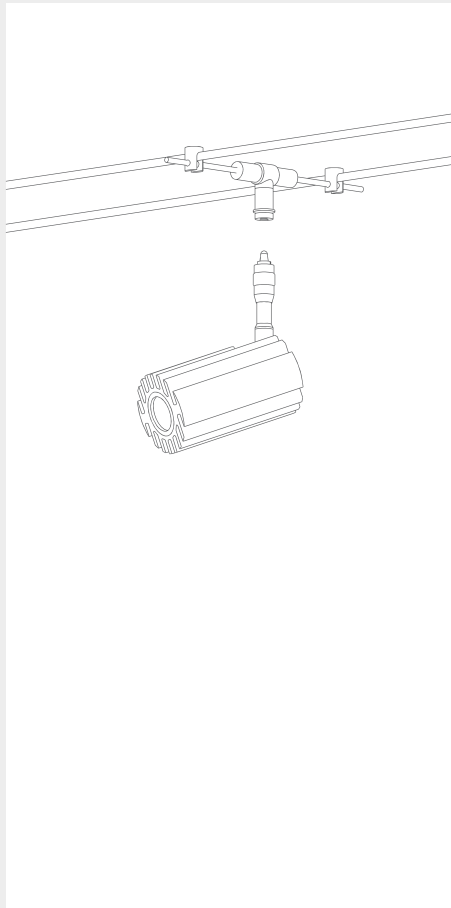
LIGHT-LINE

COMBINING AND EXPANDING

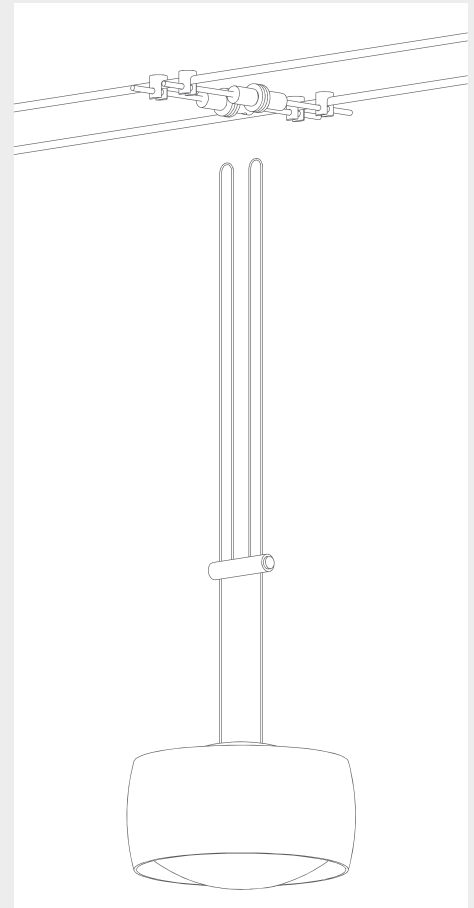
ADAPTER
integrated



ADAPTER
12 V plug connection system
PLUG-IN



ADAPTER
12 V pendant luminaire
HEIGHT ADJUSTMENT



EXPANDABLE AT ANY TIME

LIGHT-LINE system luminaires are equipped with a fixed adapter in the factory.

The cable system can be flexibly expanded, and at the same time the choice of luminaires is not limited to the LIGHT-LINE system range.

Using the LIGHT-IN adapter, the full selection of PLUG-IN 12 V system luminaires can be integrated into the cable system.

In addition, the height adjustable 12 V pendant luminaires can be integrated into the cable system without a problem using the PULLEY-LL adapter.



GALLERY

GALERIE

The curved adapter rods offset the fitting of the GALLERY spotlight parallel to the cable guide, giving it its elegant appearance. The chrome-plated spike with black protective cap allows the spotlight to be adjusted while switched on. GALLERY is suitable for the use of high performance halogen lamps and energy-efficient LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein



FEATURES

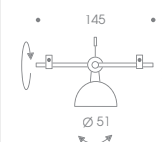
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal, plastic

Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



S 1 glass cap



S 3 decorative film

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	15-976-10-05
		Matt chrome	15-976-10-06

R 2 decorative ring accessory and retrofit lamp

Lamps from page 463, accessories from page 473



FUTURA

FUTURA

The FUTURE spotlight stands out with its miniaturised fitting and looks subtle and unobtrusive. The chrome-plated spike with black plastic sphere allows the spotlight to be adjusted while switched on. FUTURA is suitable for the use of high performance halogen lamps and energy-efficient LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein

LED
READY

IRC
READY



R 2 decorative ring accessory and retrofit lamp

FEATURES

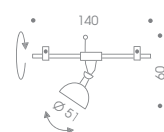
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal, plastic

Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



S 1 glass cap A 2 anti-glare flap

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	15-977-10-05
		Matt chrome	15-977-10-06

Lamps from page 463, accessories from page 473

YPS

The rotatable and swivelling YPS spotlight can be oriented according to requirements. With its subtle design, it offers a timeless lighting solution. YPS is suitable for the use of high performance halogen lamps and energy-efficient LED retrofits. The separately available, delicate decorative ring is used for glare free lighting.

Design: Ralf Keferstein, OLIGO

LED
READY

IRC
READY



R 2 decorative ring accessory and retrofit lamp

FEATURES

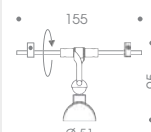
Spotlight
Rotatable / swivelling

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



R 2 decorative ring

PRODUCT

Type	W	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	Chrome	15-938-10-05
		Matt chrome	15-938-10-06

Lamps from page 463, accessories from page 473



DELTA

DELTA

DELTA is a classic among cable system spotlights. The subtle, black plastic pennant on the fitting allows the spotlight to be adjusted while it is switched on. DELTA is suitable for the use of high performance halogen lamps and energy-efficient LED retrofits. The appearance and light scene can be varied using decorative rings and other accessories, available separately.

Design: Ralf Keferstein



R 2 decorative ring accessory and retrofit lamp

LED READY
IRC READY

FEATURES

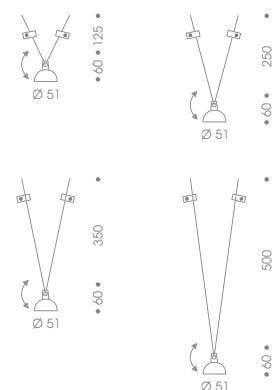
Spotlight
Swivelling head
Lengths 125, 250, 350 or 500 mm

Output data
12 V / GU 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

Weight
0.1 kg

TECHNICAL INFORMATION



ACCESSORIES



S 1 glass cap

PRODUCT

Type	W	Length (mm)	Colour	Item number
GU 5.3 / QR-CBC 51	max. 50	125	Chrome	15-982-10-05
			Matt chrome	15-982-10-06
		250	Chrome	15-982-20-05
			Matt chrome	15-982-20-06
		350	Chrome	15-982-30-05
			Matt chrome	15-982-30-06
		500	Chrome	15-982-40-05
			Matt chrome	15-982-40-06

Lamps from page 463, accessories from page 473



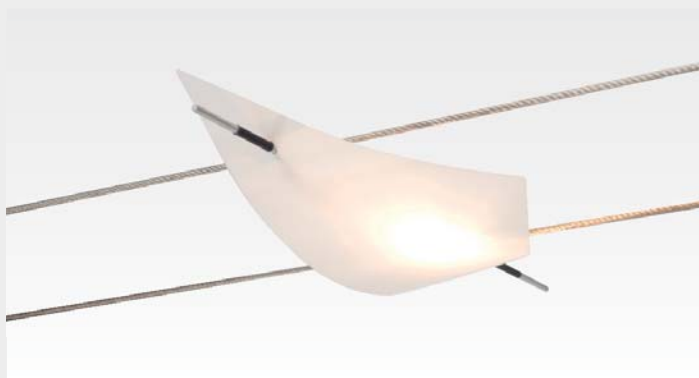
MOSQUITO

IGUA

The temperature-resistant dissipative film gives the IGUA room light an inviting and homogeneous lighting mood. The shape of its light sail allows IGUA to float effectively through the space in both the vertical and the horizontal position.

Design: Ralf Keferstein

IRC
READY



FEATURES

Ambient light

Output data

12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

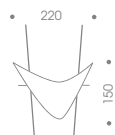
Material

Metal, temperature-resistant film

Weight

0.1 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Colour	Item number
G Y 6.35 / QT-LP 12	max. 50	Chrome	15-967-10-05
		Matt chrome	15-967-10-06

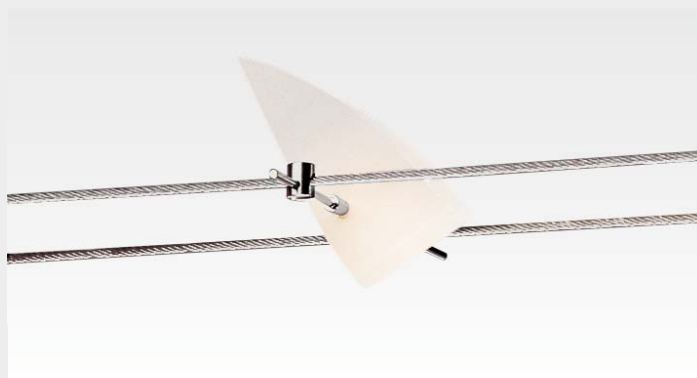
Lamps from page 463

MOSQUITO

The delicate MOSQUITO room light is poised effortlessly on the cable and knows how to gallantly and effectively catch the eye. Depending on rotation, the luminaire is visually in a dive or on its way upwards. The lighting effect is also subtle influenced by the actual position.

Design: Ralf Keferstein

IRC
READY



FEATURES

Ambient light
Swivelling

Output data

12 V / G 4 / QT-LP 9 max. 20 W
Energy efficiency class: A++ to E

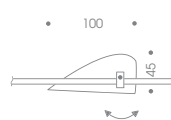
Material

Metal, temperature-resistant film

Weight

0.1 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Colour	Item number
G 4 / QT-LP 9	max. 20	Chrome	15-960-10-05
		Matt chrome	15-960-10-06

Lamps from page 463



CHARLES

OKI-DOKI

OKI-DOKI is a classic among decorative system luminaires. The white satin finished glass ball ensures soft, homogeneous room lighting and almost appears to float thanks to the delicate cable suspension.

Design: Ralf Keferstein



FEATURES

Ambient light

Output data

12 V / G 4 / QT-LP 9 max. 20 W
Energy efficiency class: A++ to E

Material

Hand-blown glass, plastic

Weight

0.2 kg

TECHNICAL INFORMATION



PRODUCT

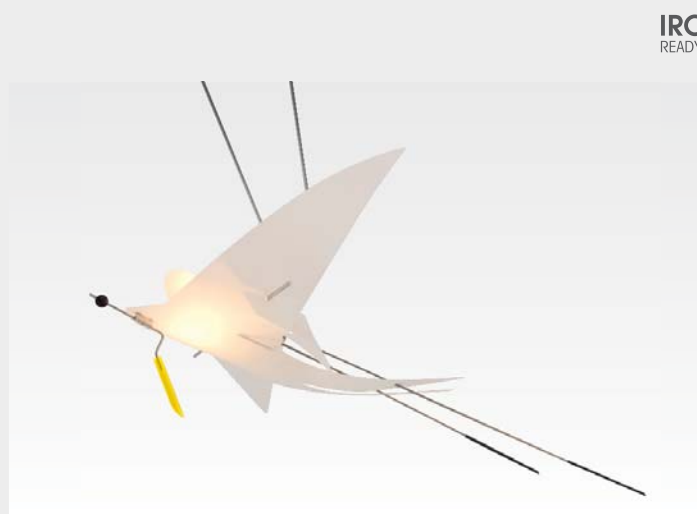
Type	W	Colour	Item number
G 4 / QT-LP 9	max. 20	Chrome	15-956-10-05/21
		Matt chrome	15-956-10-06/21

Lamps from page 463

CHARLES

The elegant and artistic handling of temperature-resistant dissipative film makes the CHARLES a decorative element which generates harmonious and soft room light. CHARLES cuts an effective and dapper figure both individually and in a swarm.

Design: Ralf Keferstein



FEATURES

Ambient light

Output data

12 V / Gy 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

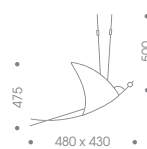
Material

Metal, temperature-resistant film

Weight

0.4 kg

TECHNICAL INFORMATION



PRODUCT

Type	W	Item number
Gy 6.35 / QT-LP 12	max. 50	15-986-10-05

Lamps from page 463



GRACE

GRACE

Height adjustable

Timeless GRACE numbers among the classics of decorative pendant luminaires worldwide. The two lenticular, satin finished shades are surrounded by a luminaire head made from aluminium and ensure even, glare-free illumination. The adjustable stay subtly integrated into the suspension allows for continuous height adjustment of the luminaire. The luminaire is integrated into the cable system with the help of the PULLEY-LL adapter.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened
Toolless lamp change

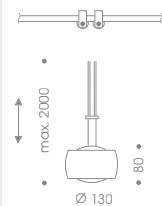
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal

Weight
0.6 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



PRODUCT

Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	10-931-10-05
		Brushed aluminium	10-931-10-12

Adapter page 407, lamps from page 463

ECOLINO GRANDE

Height adjustable

The domed glass shade of ECOLINO GRANDE is bent from flat glass using a special process. It characterises the luminaire and ensures generous lighting. The light satin finish on the glass gently refracts the light and immerses the room in a soft light. The pendant luminaire can be set to any height using the integrated counterweight. The PULLEY-LL adapter allows for integration of the ECOLINO GRANDE into the cable system.

Design: Ralf Keferstein

IRC
READY



FEATURES

Pendant luminaire
Height adjustable
Can be shortened

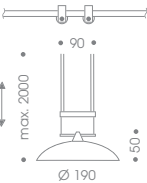
Output data
12 V / GY 6.35 / QT-LP 12 max. 50 W
Energy efficiency class: A++ to C

Material
Metal, domed flat glass

Weight
0.7 kg

TECHNICAL INFORMATION

Order adapters separately



COLOURS



Matt white



Pineapple

PRODUCT

Type	W	Body colour	Shade colour	Item number
GY 6.35 /	max. 50	Matt chrome	Matt white	10-981-20-06/21
QT-LP 12			Pineapple	10-981-20-06/32

Adapter page 407, lamps from page 463

PULLEY-LL

Luminaire adapter for
12 V pendant luminaires with
height adjustment

PULLEY-LL combines height adjustable low voltage pendant luminaires with the LIGHT-LINE cable system. Adjustable spacing pulleys connect the suspension cables for the various pendant luminaires.

Design: Ralf Keferstein



FEATURES

Material
Metal

TECHNICAL INFORMATION

The net weight of the luminaires may require the use of additional cable supports.

LIGHT-IN

Luminaire adapter for
12 V point luminaires
from the PLUG-IN system

LIGHT-IN is an adapter with integrated socket for all 12 V PLUG-IN point luminaires. The adapter provides additional design variety. The examples below and more coaxial pendant luminaires and spotlights can be found in the 12 V PLUG-IN section.

Design: Ralf Keferstein



FEATURES

Material
Metal

TECHNICAL INFORMATION

The net weight of the luminaires may require the use of additional cable supports.

EXAMPLES OF 12 V PENDANT LUMINAIRES



GRACE
Page 405

ECOLINO GRANDE
Page 406

PRODUCT

Type	A	Colour	Item number
12 V	max. 5	Chrome	16-631-10-05
		Matt chrome	16-631-10-06

EXAMPLES OF 12 V POINT LUMINAIRES



A LITTLE BIT
Page 347

BOURBON
Page 361

A LITTLE BIT
Page 363

BALINO
Page 365

PRODUCT

Type	A	Colour	Item number
12 V	max. 5	Chrome	16-611-10-05
		Matt chrome	16-611-10-06

LIGHT-LINE SYSTEM COMPONENTS

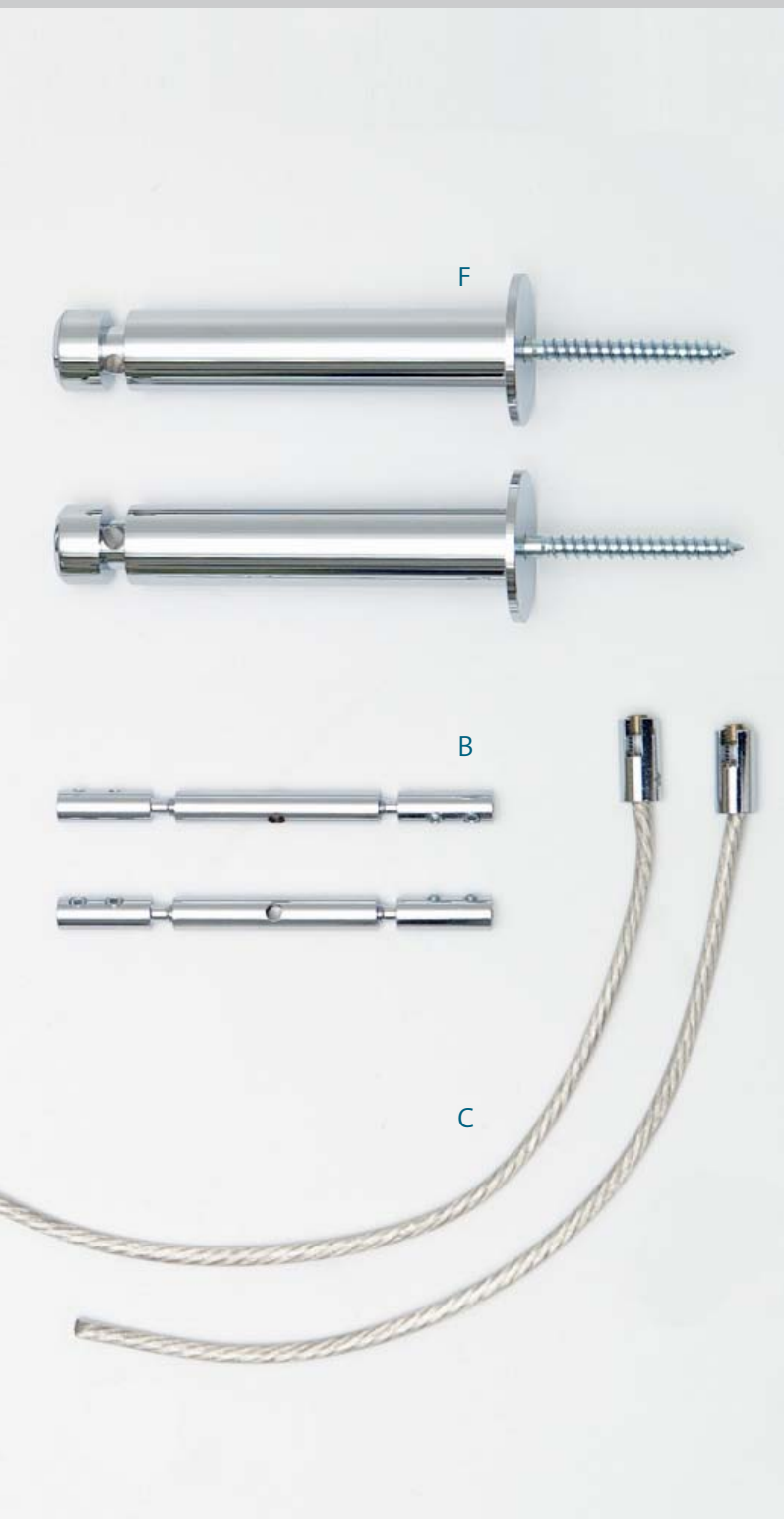
12 V / max. 25 A

The components in a cable system vary according to the situation in which it is used and the customer's individual requirements. A functional system always consists of certain base components.



The following checklist facilitates checking the completeness of the system and serves as a guideline for choosing the right components.

Examples





SYSTEM COLOURS

-  Chrome
-  Matt chrome

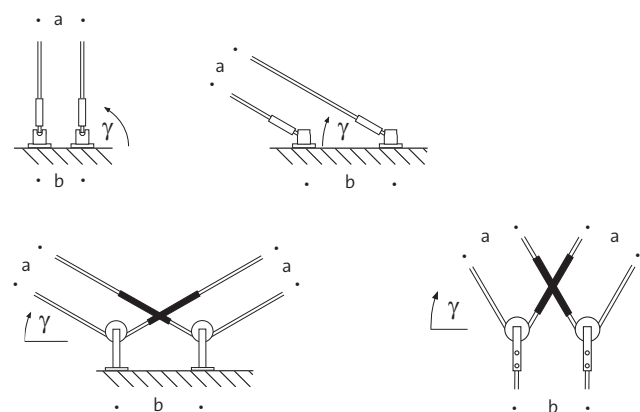
BASE COMPONENT CHECKLIST

- A Cable
- B Cable tensioner
- C Power supply
 - Transformer / power supply, in the system or external

SPECIFIC COMPONENTS

- D Connector
- E Pulleys
- F Cable support / cable guide

DISTANCES AND ANGULAR DIMENSIONS



a	b	γ
110	220	30°
110	155	45°
110	110	90°
92	130	45°

Cable distance 110 mm, luminaire width ± 20 mm

1. CABLE



Please note the table for luminous flux reduction in 12 V installations on page 495

Type	4 mm²	6 mm²	2x 4mm²	2x 6mm²
Standard	16-101-10-06	16-101-11-06		
Insulating	16-102-10-06	16-102-11-06	16-102-20-06	16-102-21-06
Kevlar®	16-103-10-06	16-103-11-06		
Insulating/Kevlar®		16-104-11-06		

2. CABLE TENSIONER



2.1 TENSIONER

Material
Metal

Design
Ralf Keferstein

Insulating

Colour	Item number
Chrome	16-111-10-05
Matt chrome	16-111-10-06

2.1 HOLDER

Material
Metal

Design
Ralf Keferstein

Insulating

Colour	Item number
Chrome	16-112-10-05
Matt chrome	16-112-10-06

2. CABLE TENSIONER



2.3 CLAMPING SET 03

A set consists of two cable holders and two clamping elements.

Suitable for cable lengths of up to 5 m.

Material
Metal

Design
Ralf Keferstein

Insulating

Colour	Item number
Chrome	16-113-11-05
Matt chrome	16-113-11-06

2.4 CLAMPING SET 01

A set consists of four hooks and two clamping elements.

Suitable for cable lengths of up to 5 m.

Material
Metal

Insulating

Colour	Item number
Chrome	16-113-10-05

2.5 TENSIONER, CENTRE

Material
Metal

Design
Ralf Keferstein

Conductive

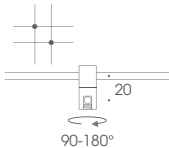
Colour	Item number
Chrome	16-114-10-05
Matt chrome	16-114-10-06

3. CONNECTOR

3.1 X CONNECTOR

Material
Metal

Design
Ralf Keferstein



Conductive

Colour	Item number
Chrome	16-122-10-05
Matt chrome	16-122-10-06

Insulating

Colour	Item number
Chrome	16-122-11-05
Matt chrome	16-122-11-06

3. CONNECTOR**3.2 | CONNECTOR**

Material
Metal

Design
Ralf Keferstein

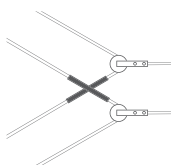
Insulating

Colour	Item number
Chrome	16-121-10-05
Matt chrome	16-121-10-06

4. PULLEYS**4.1 PULLEYS, CABLE**

Material
Metal

Design
Ralf Keferstein

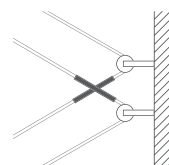


Colour	Item number
Chrome	16-131-10-05
Matt chrome	16-131-10-06

**4.2 PULLEYS, WALL**

Material
Metal

Design
Ralf Keferstein



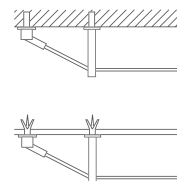
Colour	Item number
Chrome	16-132-10-05
Matt chrome	16-132-10-06

5. CABLE SUPPORT

Ø 10 mm

Material
Metal

Design
Ralf Keferstein



Colour	L (mm)	Item number
Chrome	100	16-141-10-05
Matt chrome	100	16-141-10-06
Chrome	150	16-141-11-05
Matt chrome	150	16-141-11-06
Chrome	200	16-141-12-05
Matt chrome	200	16-141-12-06

6. CABLE GUIDE**6.1 GUIDE, CEILING**

Ø 20 mm
For concrete ceilings only

Material
Metal

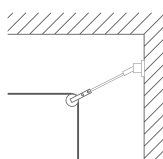
Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	100	16-151-10-05
Matt chrome	100	16-151-10-06
Chrome	150	16-151-11-05
Matt chrome	150	16-151-11-06
Chrome	200	16-151-12-05
Matt chrome	200	16-151-12-06

**6.2 GUIDE, CEILING-WALL**

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	16-152-10-05
Matt chrome	16-152-10-06

**6.3 GUIDE, WALL**

60 - 120°

Material
Metal

Design
Ralf Keferstein



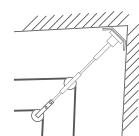
Colour	Item number
Chrome	16-153-10-05
Matt chrome	16-153-10-06

**6.4 GUIDE, CORNER MOUNTING**

60 - 120°

Material
Metal

Design
Ralf Keferstein



Colour	Item number
Chrome	16-154-10-05
Matt chrome	16-154-10-06

6. CABLE GUIDE



7. POWER SUPPLY



6.5 GUIDE, CEILING

60 - 120°

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	100	16-155-10-05
Matt chrome	100	16-155-10-06
Chrome	150	16-155-11-05
Matt chrome	150	16-155-11-06
Chrome	200	16-155-12-05
Matt chrome	200	16-155-12-06

7.1 ROD

Can be shortened
Compatible with 8.1 / 8.2 / 11 / 12 / 13

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	250	16-161-10-05
Matt chrome	250	16-161-10-06
Chrome	500	16-161-11-05
Matt chrome	500	16-161-11-06

7.2 CLIPS

4 - 6 mm²

Compatible with 8.3 / 9 / 13

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	16-163-10-05
Matt chrome	16-163-10-06

7.3 CLIPS + CABLE

6 mm²

Can be shortened
Compatible with 11 / 12

Material
Metal

Design
Ralf Keferstein

Colour	L (mm)	Item number
Chrome	250	16-164-10-05
Matt chrome	250	16-164-10-06
Chrome	500	16-164-11-05
Matt chrome	500	16-164-11-06
Chrome	1000	16-164-12-05
Matt chrome	1000	16-164-12-06

8. POWER SUPPLY, CEILING



8.1 RECESSED

Ø 95 x 5 / 50 mm

Order separately: 7.1

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-501-10-05
Matt chrome	12-501-10-06

8.2 SURFACE MOUNTED

Ø 82 x 24 / 70 mm

Order separately: 7.1

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-501-11-05
Matt chrome	12-501-11-06

8.3 SURFACE MOUNTED, SIDE CABLE

Ø 82 x 24

2x 4 mm² / 500 mm

Can be shortened
Order separately: 7.1 / 7.3

Material
Metal

Design
Ralf Keferstein

Colour	Item number
Chrome	12-501-12-05
Matt chrome	12-501-12-06

TRANSFORMERS AND DC POWER SUPPLY UNITS

Options for combination of LED luminaires and various lamp types
with transformers and DC power supply units

Magnetic transformer	VA	Catalogue page	LED luminaires	Retrofit lamps	Conventional lamps	
PYRAMID	200 / 300	414	yes	yes	yes	Permissible LED luminaire or lamp combinations see table below
CHARGE	105 / 200 / 300	414	yes	yes	yes	
external, e.g. MT 1	105 / ... / 400	478	yes	yes	yes	
Electronic transformer						
TRANSFORMER XT 105/150	105 / 150	415	-	-	yes	
TRANSFORMER 150	150	415	-	-	yes	
external, e.g. ET 1	105	476	-	-	yes	
12 V DC power supply unit						
external, e.g. DC 1	45 / 60	478	yes	yes	-	The operation of LED luminaires and 12 V DC-compatible retrofit lamps within the same system is permissible

Permissible LED luminaire and lamp combinations within a
LIGHT-LINE cable system with magnetic transformer

	LED luminaires	Retrofit lamps	Conventional lamps
LED luminaires	yes [†]	-	yes *
Retrofit lamps	-	yes	yes *
Conventional lamps	yes *	yes *	yes *

* In order to avoid negatively affecting the service life of conventional lamps during simultaneous operation of LED luminaires and/ or retrofit lamps, a load of at least 70% of the specified maximum capacity of the transformer should be ensured.

[†] Integration of 12 V LED point luminaires using the LIGHT-IN adapter, page 407.

TRANSFORMERS

Designer housing
230 V / 50 – 60 Hz / 12 V / protection class 1



External transformers and
external 12 V DC power supply units from page 476

9. PYRAMID-3



6 mm² / 500 mm
Magnetic SELV transformer, dimmable with type L dimmers
300 VA version including power inductor
Order separately: Power supply 7.2

Material
Metal

Design
Ralf Keferstein

245 x 245 x 130 mm

Colour	VA	Item number
Matt chrome	200	60-122-30-06
Matt chrome	300	60-122-31-06

10. CHARGE-1



Magnetic SELV transformer, dimmable with type L dimmers
300 VA version including power inductor
Order separately: Power supply 7.1 / 7.3

Material
Metal

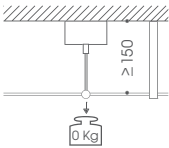
Design
Ralf Keferstein

Ø 120 x 57 / 77 mm

Colour	VA	Item number
Chrome	105	60-126-10-05
Matt chrome	105	60-126-10-06

Ø 140 x 72 / 93 mm

Colour	VA	Item number
Chrome	200	60-126-11-05
Matt chrome	200	60-126-11-06
Chrome	300	60-126-12-05
Matt chrome	300	60-126-12-06



11. CHARGE-2

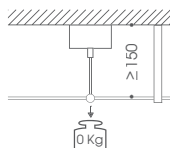
Magnetic SELV transformer, dimmable with type L dimmers

300 VA version including power inductor

Order separately: Power supply 7.1 / 7.3

Material
Metal, plastic

Design
Ralf Keferstein



Ø 115 x 53 / 73 mm

Colour	VA	Item number
Matt white	105	60-127-10-21

Ø 140 x 65 / 85 mm

Colour	VA	Item number
Matt white	200	60-127-11-21
Matt white	300	60-127-12-21

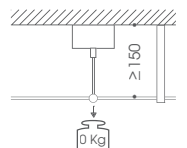
12. TRANSFORMER XT 105/150

Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers, capacitive

Order separately: Power supply 7.1

Material
Metal

Design
Ralf Keferstein



Ø 103 x 53 / 100 mm

Colour	VA	Item number
Chrome	35-105	60-131-10-05
Matt chrome	35-105	60-131-10-06

210 x 75 x 52 / 100 mm

Colour	VA	Item number
Chrome	35-150	60-131-11-05
Matt chrome	35-150	60-131-11-06

13. TRANSFORMER 150

Electronic transformer
230 v / 50 - 60 Hz / 12 V / 150 VA
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers, capacitive
Compatible: 2.1 (30 mm)

Order separately: Power supply 6.3 / 6.5 / 6.7

Material
Metal

Design
Ralf Keferstein

210 x 75 x 54 mm / incl. 100/300 mm cable 2.5 mm²

Colour	VA	Item number
Chrome	35-150	60-132-10-05
Matt chrome	35-150	60-132-10-06



SHOP

THE RECESSED SYSTEM WITH MAXIMUM VERSATILITY.

SHOP is an innovative and at the same time modular recessed luminaire system which was designed for flexible use in 12 volt, 24 volt and 230 volt technologies. The system offers a variety of luminaire units which each consist of a frame (FRAME) and an electrical unit (MOD). A multitude of highly efficient spotlights and lamps from the OLIGO range can be used with the MOD and can be freely chosen from and exchanged according to the lighting task. The variety of combinations offer a multitude of possibilities for planners and decision-makers in the design of professional lighting solutions.

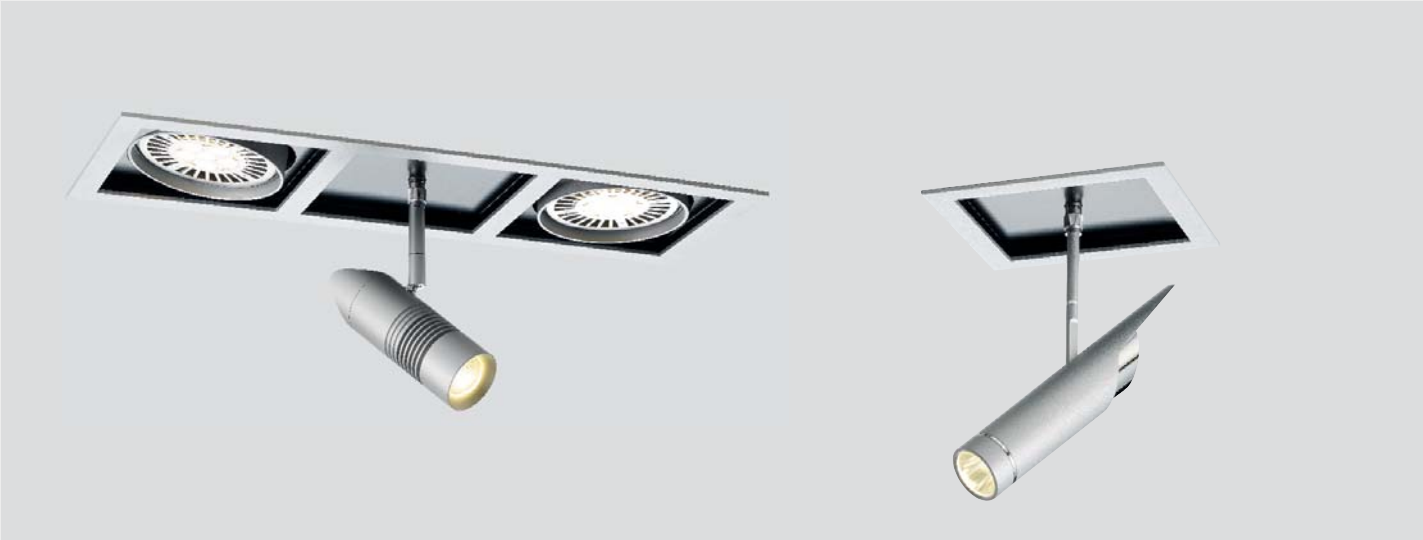
For retail, SHOP allows for selective lighting quality in the shop window and entrance area, in retail areas and in the staging of display cases and shelves.

The simple design of more effective lighting moods opens up and inviting ambience and, at the same time, optimal presentation of goods. According to the lighting technology required, LED spotlights, LED retrofit lamps and even halogen lamps can be used in SHOP. The modular system can be converted at any time by changing the components.

The FRAME is optionally available in decorative chrome, matt silver or white. As well as staging shopping worlds, SHOP can also be used for the sophisticated living room.

Design: Ralf Keferstein

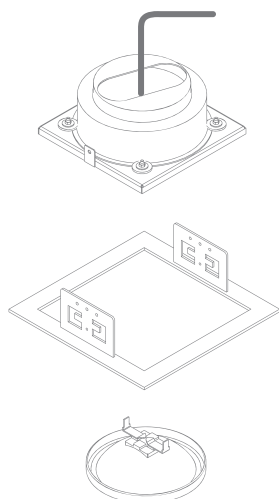
CONTENTS	PAGE
Frames	425
Electrical units / modules	426
Lamps	463
Transformers	476
Switching power supplies	478



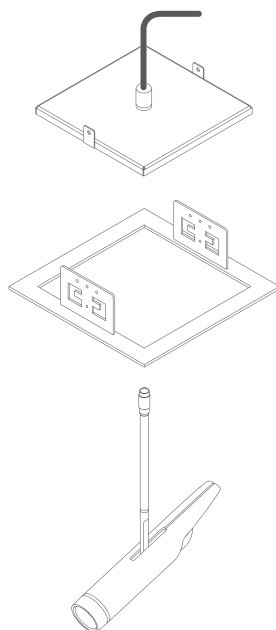
SHOP

COMBINING AND EXPANDING

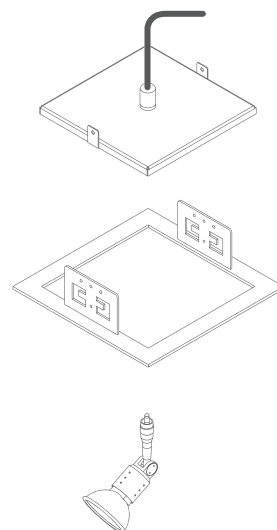
SPOTLIGHTS with gimballed suspension



SMART.POINT 24 V SPOT SYSTEM adapter



PLUG-IN 12 V SPOT SYSTEM adapter



MOD1 is designed to accept gimbal mounted recessed spotlights. Various lamps such as LED retrofits or halogen reflector lamps can be used.

MOD 3 / 24 V allows for the connection of any 24 volt LED spotlights from the SMART.POINT system. In combination with a DALI converter, these can be integrated into a DALI-compatible lighting system.

Alternatively, the lighting can be integrated into a system with wireless lighting control via Casambi or HomeMatic using SMART.IQ components. More information about the SMART.IQ wireless module can be found from page 120.

All luminaires from the PLUG-IN system can be adapted using MOD 3 / 12 V. This solution is particularly suitable for use in private living space.

SHOP

SURFACES

RECESSED FRAMES

SHOP recessed frames are made from solid, precisely cut stainless sheet steel.

Thanks to their material thickness, the recessed frames are highly torsion-resistant. They can be precisely aligned and securely fastened during installation. A tried and tested spring clip system for rapid installation ensures a firm hold.

SHOP recessed frames are available in three decorative surfaces. Model and colour correspond to the OLIGO system range and open up a wide variety of planning options.

CHROME

The high quality chrome surface emphasises elegant features. It is particularly suitable for designing representative lighting solutions in the retail sector or in sophisticated living space.

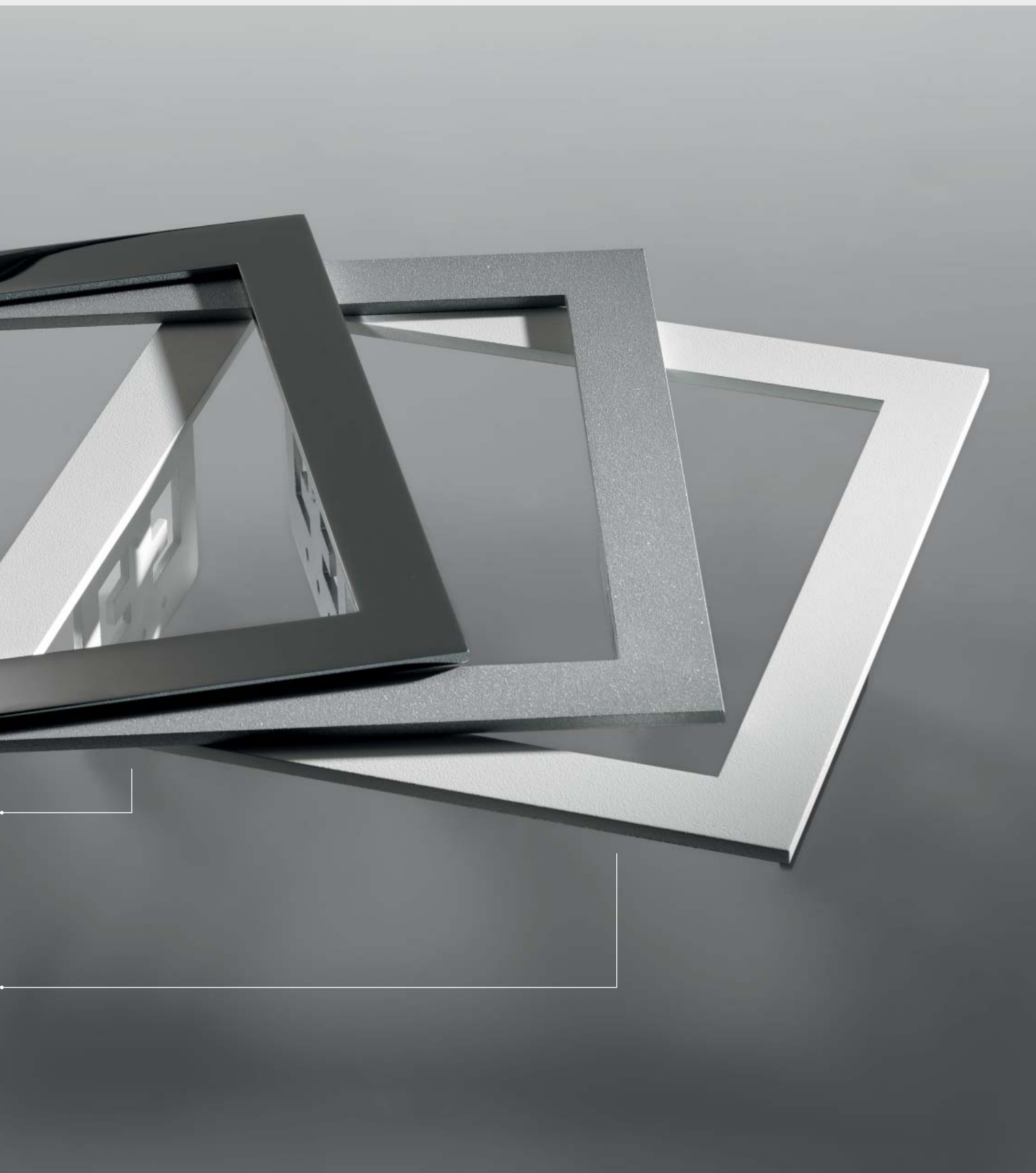
MATT CHROME

The powder-coated, matt silver textured surface is a tried and tested, durable surface decoration.

MATT WHITE

This subtle, powder-coated surface finish in the RAL 9016 colour tone is suitable for a wide variety of commercial applications.







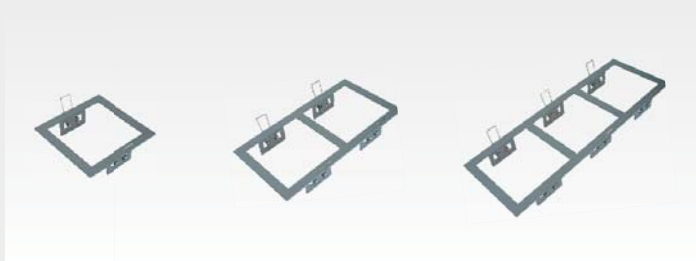




SHOP with MOD 1, MOD 3 / 24 V and HUBBLE



SHOP COMPONENTS



FRAME

Frames for electrical units MOD 1 / MOD 3
For material thicknesses of between 5 and 15 mm
For ceiling installation only

Material
Metal

PRODUCT

Type	Size (mm)	Ceiling cut-out (mm)	Colour	Item number
Single	180 x 180	160 x 160	Chrome	51-917-10-05
			Matt chrome	51-917-10-06
			Matt white	51-917-10-21
Double	180 x 341	160 x 320	Chrome	51-917-11-05
			Matt chrome	51-917-11-06
			Matt white	51-917-11-21
Triple	180 x 502	160 x 480	Chrome	51-917-12-05
			Matt chrome	51-917-12-06
			Matt white	51-917-12-21





SHOP COMPONENTS



MOD 1 / G 53

Module: gimbal-mounted recessed spotlight
G 53 fitting with 500 mm cable
Energy efficiency class: A to C
or energy efficiency class: A (LED retrofit version)
Protection class 3

Material
Metal, aluminium

MOD 1 / GZ 10

Module: gimbal-mounted recessed spotlight
GZ 10 fitting with 500 mm cable
Energy efficiency class: A++ to E or
Energy efficiency class: A++ to A (LED retrofit version)
Protection class 2

Material
Metal, aluminium

PRODUCT				
Type	W	Body colour	Ring colour	Item number
12 V / G 53 / QR-LP 111	max. 50	Matt white	Matt white	51-917-20-21
		Matt black	Chrome	51-917-22-23
		Matt black	Matt chrome	51-917-21-23
12 V / G 53 / LED retrofit	max. 15	Matt white	Matt white	51-917-30-21
		Matt black	Chrome	51-917-32-23
		Matt black	Matt chrome	51-917-31-23

Lamps from page 463. Transformer or switching power supply from page 476

PRODUCT				
Type	W	Body colour	Ring colour	Item number
230 V / GZ 10 / QPAR 111	max. 100	Matt white	Matt white	51-917-40-21
		Matt black	Chrome	51-917-42-23
		Matt black	Matt chrome	51-917-41-23
230 V / GZ 10 / LED retrofit	max. 18	Matt white	Matt white	51-917-50-21
		Matt black	Chrome	51-917-52-23
		Matt black	Matt chrome	51-917-51-23

Lamps from page 463



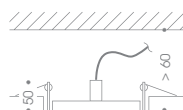
SHOP COMPONENTS



MOD 3 / 12 V PLUG-IN

Module for 12 V and 12 V DC (LED) PLUG-IN system luminaires
Socket with 500 mm cable
Protection class 3

Material
Metal, aluminium



MOD 3 / 24 V SMART.POINT

Module for 24 V DC SMART.POINT LED system luminaires
Socket with 500 mm cable
Protection class 3
Compatible with external SMART.IQ wireless modules or
with external DALI converter: Page 120

Material
Metal, aluminium



EXAMPLES OF 12 V POINT LUMINAIRES



A LITTLE BIT
Page 347



MATCH
Page 353



BALINO
Page 365



GRACE
Page 367

EXAMPLES OF 24 V LED POINT LUMINAIRES



NEWTON
Page 95



AVIATION
Page 99



BOURBON
Page 108



DECENT
Page 109

PRODUCT

Type	A	Body colour	Item number
12 V	5	Matt white	51-917-80-21
		Matt black	51-917-80-23

PLUG-IN luminaires from p. 337. Transformer or switching power supply from p. 476

PRODUCT

Type	A	Body colour	Item number
24 V	2	Matt white	51-917-81-21
		Matt black	51-917-81-23

SMART.POINT luminaires from page 87. Switching power supply from page 478



SHOP with MOD 1, MOD 3 / 12 V and GRACE



SHOP with MOD 1

DANIELS & KORFF, COLOGNE
PLANNING: HÖVEL GMBH, EUSKIRCHEN



RECESSED LUMINAIRES DISCREET AND DIVERSE.

Recessed luminaires with a variety of light outputs supplement the OLIGO system range. With them, smaller solutions for general lighting as well as accent lighting materialise.

Rotatable or swivelling spotlights with a variety of light distribution characteristics allow for extensive lighting of floor areas and walls or the directed illumination of pictures and objects.

Depending on the installation situation on site, there are luminaires with a variety of installation openings and installation

depths available to choose from. According to the lighting technology required, spotlights with integrated LED, LED retrofit or halogen lamps can be used.

Recessed lights can be used as a subtle lighting tool both in sophisticated retail and in private living space.

CONTENTS	PAGE
Luminaires	437
Lamps	463
Transformers	476
Switching power supplies	478

RECESSED OVERVIEW

LED LUMINAIRES

Spotlight ø 100 – 150 mm



[RD 34 LED](#)
Page 437



[RD 35 LED](#)
Page 439



[RD 36 LED](#)
Page 439

Spotlight ø 60 – 100 mm



[RD 33 LED](#)
Page 447



[RD 32 LED](#)
Page 447



[RD 31 LED](#)
Page 448



[RD 30 LED](#)
Page 451

Spotlight ø < 60 mm



[RD 27 LED](#)
Page 455



[RD 29 LED](#)
Page 456



[RD 28 LED](#)
Page 457

LUMINAIRES WITH CONVENTIONAL FITTINGS

Spotlight \varnothing 100 – 150 mm



RD 5
Page 441



RD 21
Page 441



RD 2
Page 443



RD 13
Page 445



RD 11
Page 445

Spotlight \varnothing 60 – 100 mm



RD 3
Page 449



RD 8
Page 451



RD 4
Page 453



RD 12
Page 453

Spotlight \varnothing < 60 mm



RD 16
Page 459

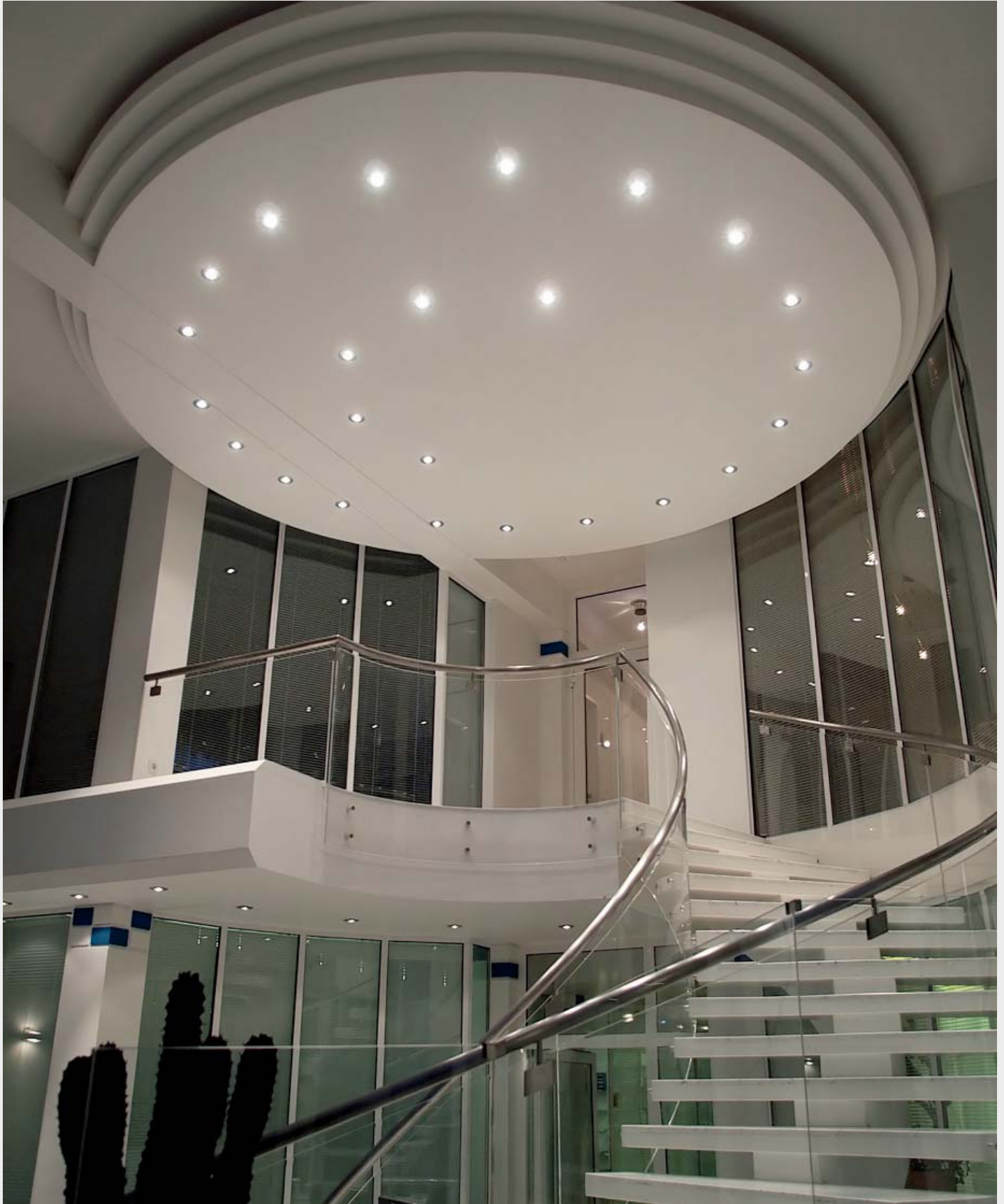


RD 17
Page 459

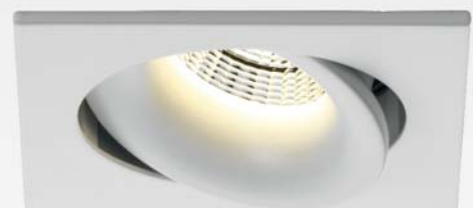




SPOTLIGHT Ø 100 – 150 mm



RD 34 LED

LED
 INTEGRIERT


FEATURES

Recessed spotlight

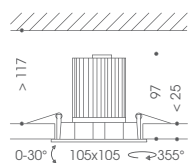
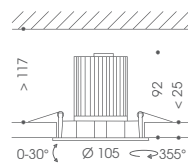
Rotatable 355° / swivelling 0-30°
 Installation opening Ø 98 mm or
 98 x 98 mm
 For material thicknesses < 25 mm
 Including power supply 126 x 43 x
 20 mm, external
 Non-dimmable
 Protection class 3
 Trade item

Output data

220-240 V AC / 50-60 Hz /
 6-42 V DC / 350 mA / 3000 K /
 9.8 W / CRI >80
 Energy efficiency class: A

Material
 Metal

TECHNICAL INFORMATION



PRODUCT

Ø 105 mm

Type	lm	K	W	Beam angle	Colour	Item number
LED	770	3000	9.8	38°	Matt white	50-895-30-21

PRODUCT

105 x 105 mm

Type	lm	K	W	Beam angle	Colour	Item number
LED	770	3000	9.8	38°	Matt white	50-895-31-21



RD 35 LED

LED
INTEGRIERT

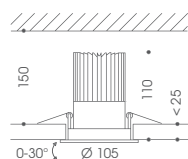
FEATURES

Recessed spotlight
Swivelling 0-30°
Installation opening Ø 90 mm
For material thicknesses < 25 mm
Integrated power supply
Non-dimmable
Protection class 2
Trade item

Output data
100-240 V AC / 3-42 V DC /
600 mA / LED / 3000 or 4000 K /
22 W / CRI >80
Energy efficiency class: A+

Material
Metal

TECHNICAL INFORMATION



RD 36 LED

LED
INTEGRIERT

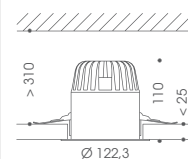
FEATURES

Recessed spotlight
Installation opening 104 mm
For material thicknesses < 25 mm
Including power supply: 185 x 37 x
33 mm, external
Dimmable with "Type L" and "Type
C" dimmers
Protection class 3
Trade item

Output data
220-240 V AC / 15-54 V DC /
98-108 mA / LED /
3000 or 4000 K / 12 W / CRI >85
Energy efficiency class: A

Material
Metal

TECHNICAL INFORMATION



PRODUCT

3000 K

Type	lm	K	W	Beam angle	Colour	Item number
LED	2250	3000	22	30°	Matt white	50-895-32-21

PRODUCT

4000 K

Type	lm	K	W	Beam angle	Colour	Item number
LED	2350	4000	22	30°	Matt white	50-895-33-21

PRODUCT

3000 K

Type	lm	K	W	Beam angle	Colour	Item number
LED	1030	3000	12	50°	Matt white	50-895-34-21
	890	3000	12	60°	Matt white	50-895-35-21

PRODUCT

4000 K

Type	lm	K	W	Beam angle	Colour	Item number
LED	1130	4000	12	50°	Matt white	50-895-36-21
	920	4000	12	60°	Matt white	50-895-37-21



RD 5

LED
READY

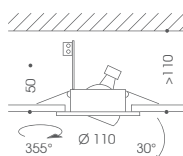
FEATURES

Recessed spotlight
Rotatable 355° / swivelling 0-30°
Installation opening Ø 90 mm
For material thicknesses 5-15 mm
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
Can optionally be converted to 230 V

Material
Metal

TECHNICAL INFORMATION



Installation
Protection class 3

COLOURS AND ACCESSORIES



Chrome

Matt chrome

Matt white

Set for conversion
to 230 V

PRODUCT

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-07-05
		Matt chrome	50-999-07-06
		Matt white	50-999-07-21

Lamps from page 463, transformers from page 476

PRODUCT

Accessories: Conversion set, energy efficiency class A++ to E, protection class 2

Type	W	Item number
GZ 10 / QPAR 51	max. 50	62-153-01-00

RD 21

LED
READY

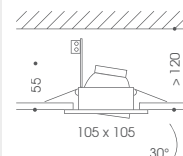
FEATURES

Recessed spotlight
Swivelling 0-30°
Installation opening Ø 90 mm
For material thicknesses 5-15 mm
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C

Material
Metal

TECHNICAL INFORMATION



Installation
Protection class 3

COLOURS AND ACCESSORIES



Chrome

Matt chrome

Matt white

PRODUCT

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-17-05
		Matt chrome	50-999-17-06
		Matt white	50-999-17-21

Lamps from page 463, transformers from page 476



RD 2

LED
READY

FEATURES

Recessed spotlight

Rotatable 355° / swivelling 0-40°
Installation opening Ø 90 mm
For material thicknesses 5-15 mm
Trade item

GX 5.3 version: Protection class 3
GZ 10 version: Protection class 2

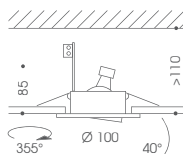
Output data

12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E

Material

Metal

TECHNICAL INFORMATION



COLOURS



Chrome



Matt chrome



Matt white

PRODUCT

12 V

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-02-05
		Matt chrome	50-999-02-06
		Matt white	50-999-02-21

Lamps from page 463, transformers from page 476

PRODUCT

230 V

Type	W	Colour	Item number
GZ 10 / QPAR 51	max. 50	Chrome	50-999-03-05
		Matt chrome	50-999-03-06
		Matt white	50-999-03-21

Lamps from page 463



RD 13

IRC
READY

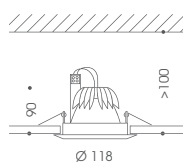
FEATURES

Recessed spotlight
Installation opening \varnothing 100 mm
For material thicknesses 5-15 mm
Protection class 3
Protection class IP 44
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A++ to C

Material
Metal

TECHNICAL INFORMATION



RD 11

LED
READY

FEATURES

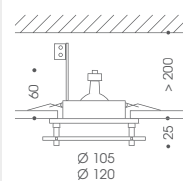
Recessed spotlight
Installation opening \varnothing 85 mm
For material thicknesses 5-15 mm
Protection class 3

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
Can optionally be converted to 230 V

Material
Metal, float glass

Design
Ralf Keferstein

TECHNICAL INFORMATION



COLOURS



Chrome

Matt chrome

Matt white

COLOURS AND ACCESSORIES



Chrome

Matt white

Set for conversion
to 230 V

PRODUCT

Type	W	Colour	Item number
GY 6.35 / QT-LP 12	max. 50	Chrome	50-999-13-05
		Matt chrome	50-999-13-06
		Matt white	50-999-13-21

Lamps from page 463, transformers from page 476

PRODUCT

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-11-05
		Matt white	50-999-11-21

Lamps from page 463, transformers from page 476

PRODUCT

Accessories: Conversion set, energy efficiency class A++ to E, protection class 2

Type	W	Item number
GZ 10 / QPAR 51	max. 50	62-153-01-00

SPOTLIGHT Ø 60 – 100 mm



RD 33 LED

LED
INTEGRIERT

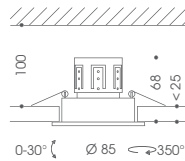
FEATURES

Recessed spotlight
 Rotatable 355° / swivelling 0-30°
 Installation opening Ø 68 mm
 For material thicknesses < 25 mm
 Integrated power supply
 Dimmable with "Type L" and "Type C" dimmers
 Protection class 3
 Trade item

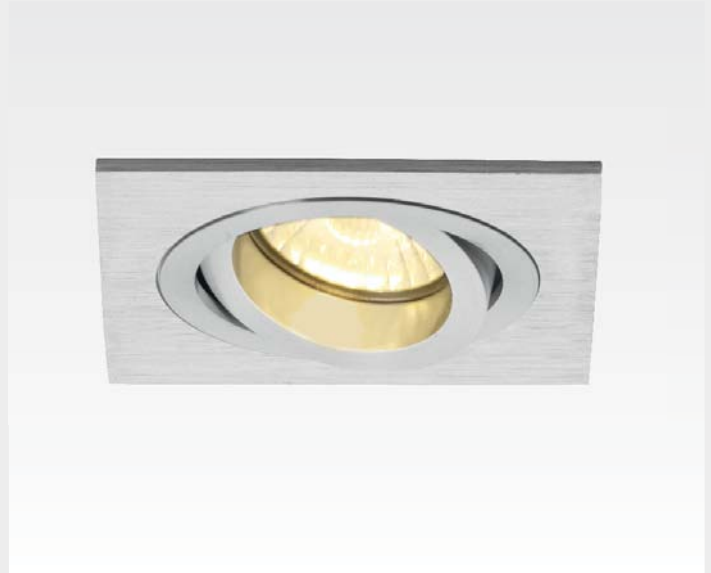
Output data
 220-240 V AC / max. 42 V DC /
 500 mA / 2800 K / CRI >80
 Energy efficiency class: A

Material
 Metal

TECHNICAL INFORMATION



RD 32 LED

LED
INTEGRIERT

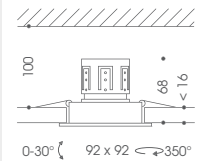
FEATURES

Recessed spotlight
 Rotatable 355° / swivelling 0-30°
 Installation opening 82 x 82 mm
 For material thicknesses < 16 mm
 Integrated power supply
 Dimmable with "Type L" and "Type C" dimmers
 Protection class 3
 Trade item

Output data
 220-240 V AC / max. 42 V DC /
 500 mA / 2800 K / CRI >80
 Energy efficiency class: A

Material
 Metal

TECHNICAL INFORMATION



COLOURS

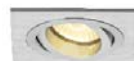


Brushed
aluminium



Matt white

COLOURS



Brushed
aluminium



Matt white

PRODUCT

Type	lm	K	W	Beam angle	Colour	Item number
LED	690	2800	8	38°	Brushed aluminium	50-895-29-12
					Matt white	50-895-29-21

PRODUCT

Type	lm	K	W	Beam angle	Colour	Item number
LED	690	2800	8	38°	Brushed aluminium	50-895-28-12
					Matt white	50-895-28-21



RD 31 LED

LED
INTEGRIERT



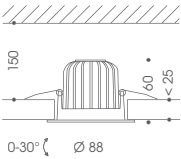
FEATURES

Recessed spotlight
Swivelling 0-30°
Installation opening Ø 76 mm
For material thicknesses < 25 mm
Integrated power supply
Non-dimmable
Protection class 2
Trade item

Output data
220-240 V AC / 2-10 V DC /
350 mA / LED / 700 lm / 3000 K /
9 W / CRI >80
Energy efficiency class: A

Material
Metal

TECHNICAL INFORMATION



COLOURS



Matt chrome



Matt white

PRODUCT

Type	lm	K	W	Beam angle	Colour	Item number
LED	700	3000	9	60°	Matt chrome	50-895-27-06
					Matt white	50-895-27-21

RD 3

LED
READY

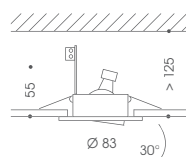

FEATURES

Recessed spotlight
Swivelling 0-30°
Installation opening Ø 74 mm
For material thicknesses 5-15 mm
Protection class 3
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Can optionally be converted to 230 V

Material
Metal

TECHNICAL INFORMATION



COLOURS AND ACCESSORIES



Chrome



Matt chrome



Matt white



Set for conversion
to 230 V

PRODUCT

Luminaire

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-05-05
		Matt chrome	50-999-05-06
		Matt white	50-999-05-21

Lamps from page 463, transformers from page 476

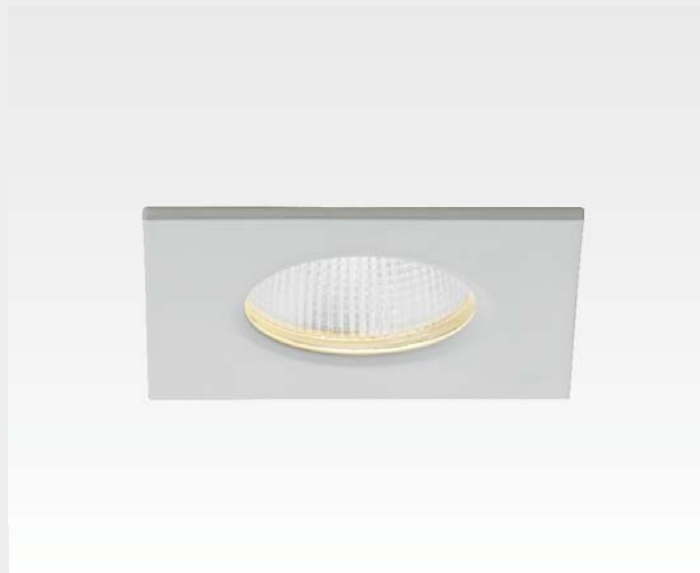
PRODUCT

Accessories: Conversion set, energy efficiency class A++ to E, protection class 2

Type	W	Item number
GZ 10 / QPAR 51	max. 50	62-153-01-00



RD 30 LED

LED
INTEGRIERT

RD 8

LED
READY

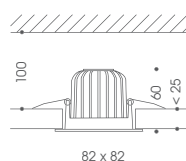
FEATURES

Recessed spotlight
Installation opening \varnothing 72 mm
For material thicknesses < 25 mm
Integrated power supply
Non-dimmable
Protection class 2
Trade item

Output data
220-240 V AC / 2-10 V DC /
350 mA / LED / 700 lm / 3000 K /
9 W / CRI >80
Energy efficiency class: A+

Material
Metal

TECHNICAL INFORMATION



FEATURES

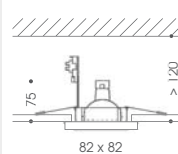
Recessed spotlight
Installation opening 67 x 67 mm
For material thicknesses 5-15 mm
GX 5.3 version: Protection class 3
GZ 10 version: Protection class 2
Trade item

Output data
12 V / GX 5.3 / QR-C 51 max. 50 W
Energy efficiency class: A+ to C
230 V / GZ 10 / QPAR 51 max. 50 W
Energy efficiency class: A++ to E

"Cool beam" lamps not permissible

Material
Metal

TECHNICAL INFORMATION



COLOURS



Matt chrome



Matt white

PRODUCT

12 V

Type	W	Colour	Item number
GX 5.3 / QR-C 51	max. 50	Matt chrome	50-999-08-06

Lamps from page 463, transformers from page 476

PRODUCT

Type	lm	K	W	Beam angle	Colour	Item number
LED	700	3000	9	60°	Matt chrome	50-895-26-06
					Matt white	50-895-26-21

PRODUCT

Type	W	Colour	Item number
GZ 10 / QPAR 51	max. 50	Matt chrome	50-999-09-06

Lamps from page 463



RD 4

LED
READY

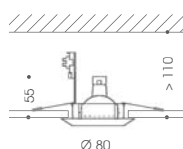
FEATURES

Recessed spotlight
Installation opening Ø 60 mm
For material thicknesses 5-15 mm
Protection class 3
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
Can optionally be converted to 230 V

Material
Metal

TECHNICAL INFORMATION



Installation
Installation on normal flammability
building sections not permissible

COLOURS AND ACCESSORIES



Chrome



Matt chrome



Matt white

Set for conversion
to 230 V

PRODUCT

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Chrome	50-999-06-05
		Matt chrome	50-999-06-06
		Matt white	50-999-06-21

Lamps from page 463, transformers from page 476

PRODUCT

Accessories: Conversion set, energy efficiency class A++ to E, protection class 2

Type	W	Item number
GZ 10 / QPAR 51	max. 50	62-153-01-00

RD 12

LED
READY

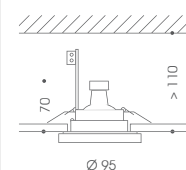
FEATURES

Recessed spotlight
Installation opening Ø 63 mm
For material thicknesses 5-15 mm
Protection class 3
Trade item

Output data
12 V / GX 5.3 / QR-CBC 51 max. 50 W
Energy efficiency class: A+ to C
Can optionally be converted to 230 V

Material
Metal, float glass

TECHNICAL INFORMATION



COLOURS AND ACCESSORIES

PRODUCT

Type	W	Colour	Item number
GX 5.3 / QR-CBC 51	max. 50	Satin finish	50-999-12-21

Lamps from page 463, transformers from page 476

PRODUCT

Accessories: Conversion set, energy efficiency class A++ to E, protection class 2

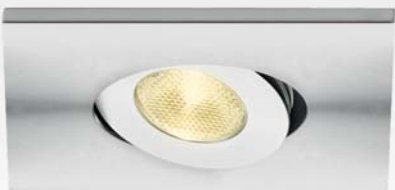
Type	W	Item number
GZ 10 / QPAR 51	max. 50	62-153-01-00

SPOTLIGHT Ø < 60 mm



RD 27 LED

LED
INTEGRIERT



FEATURES

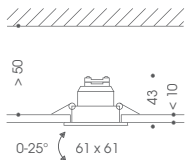
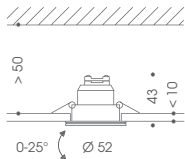
Recessed spotlight
Swivelling 45°
For material thicknesses 5-15 mm
Including power supply: 38 x 27 x 21 mm, external
Non-dimmable
Protection class 2
Trade item

Ø 52 mm version:
Installation opening Ø 45 mm
61 x 61 mm version:
Installation opening Ø 50 mm

Output data
110-240 V AC / 2-6 V DC /
700 mA / LED / 2800-3300 K /
145 lm / 3 W / CRI >80
Energy efficiency class: A

Material
Metal

TECHNICAL INFORMATION



COLOURS AND VARIANTS



Round /
Matt chrome /



Round /
Matt white /



Square /
Brushed aluminium /



Square /
Matt white

PRODUCT Ø 52 mm

Type	lm	K	W	Beam angle	Colour	Item number
LED	145	2800-3300	3	30°	Matt chrome	50-895-20-06
					Matt white	50-895-20-21

PRODUCT 60 x 60 mm

Type	lm	K	W	Beam angle	Colour	Item number
LED	145	2800-3300	3	30°	Brushed aluminium	50-895-21-12
					Matt white	50-895-21-21



RD 29 LED

LED
INTEGRIERT



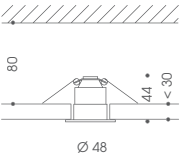
FEATURES

Recessed spotlight
Installation opening \varnothing 38 mm
For material thicknesses < 30 mm
Including power supply: 41 x 41 x 21 mm, external
Non-dimmable
Protection class 3
Trade item

Output data
95-265 V AC / max. 19 V DC /
500 mA / LED / 2900 K / 366 lm /
5.6 W / CRI >80
Energy efficiency class: A

Material
Metal

TECHNICAL INFORMATION



COLOURS



PRODUCT

Type	lm	K	W	Beam angle	Colour	Item number
LED	366	2900	5.6	10°	Chrome	50-895-24-05
					Matt chrome	50-895-24-06
					Matt white	50-895-24-21
				35°	Chrome	50-895-25-05
					Matt chrome	50-895-25-06
					Matt white	50-895-25-21

RD 28 LED

LED
INTEGRIERT



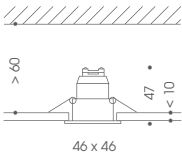
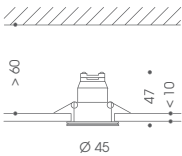
FEATURES

Recessed spotlight
Installation opening \varnothing 38 mm
For material thicknesses < 10 mm
Including power supply: 38 x 27 x 21 mm, external
Non-dimmable
Protection class 2
Trade item

Output data
100-240 V AC / 2-6 V DC /
700 mA / LED / 2800-3300 K /
130 lm / 3 W / CRI >80
Energy efficiency class: A

Material
Metal

TECHNICAL INFORMATION



COLOURS AND VARIANTS



Round /
Brushed aluminium



Round /
Matt white



Square /
Brushed aluminium



Square /
Matt white

PRODUCT Ø 45 mm



Type	lm	K	W	Beam angle	Colour	Item number
LED	130	2800-3300	3	30°	Matt chrome	50-895-22-12
					Matt white	50-895-22-21

PRODUCT 46 x 46 mm

Type	lm	K	W	Beam angle	Colour	Item number
LED	130	2800-3300	3	30°	Matt chrome	50-895-23-12
					Matt white	50-895-23-21



COLOURS



ChromeMatt chrome

PRODUCT	
Accessories RD 16 / RD 17: Metal disc	
Colour	Item number
Chrome	62-101-05-05
Matt chrome	62-101-05-06

RD 16

IRC
READY

FEATURES

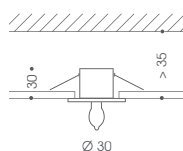
Recessed spotlight
Installation opening \varnothing 25 mm
For material thicknesses 5-15 mm
Protection class 3
Optional accessory: Metal disc
Trade item

Output data
12 V / G 4 / QT-LP 9 max. 10 W
Energy efficiency class: A++ to E

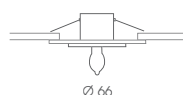
Material
Metal

TECHNICAL INFORMATION

Luminaire



Accessory metal disc



RD 17

IRC
READY

FEATURES

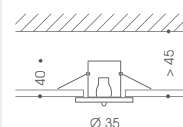
Recessed spotlight
Installation opening \varnothing 30 mm
For material thicknesses 5-15 mm
Protection class 3
Optional accessory: Metal disc
Trade item

Output data
12 V / G 4 / QT-LP 9 max. 20 W
Energy efficiency class: A++ to E

Material
Metal

TECHNICAL INFORMATION

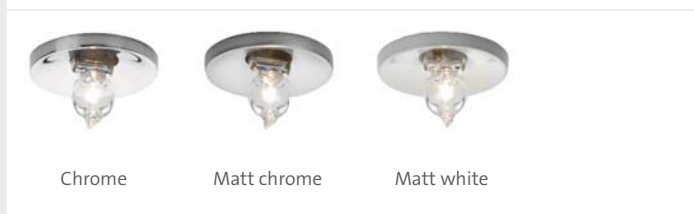
Luminaire



Accessory metal disc



COLOURS



Chrome

Matt chrome

Matt white

COLOURS



Chrome

Matt chrome

Matt white

PRODUCT

Type	W	Colour	Item number
G 4 / QT-LP 9	max. 10	Chrome	50-999-15-05
		Matt chrome	50-999-15-06
		Matt white	50-999-15-21

Lamps from page 463, transformers from page 476

PRODUCT

Type	W	Colour	Item number
G 4 / QT-LP 9	max. 20	Chrome	50-999-16-05
		Matt chrome	50-999-16-06
		Matt white	50-999-16-21

Lamps from page 463, transformers from page 476







LAMPS AND ACCESSORIES

Information about the lamps listed in this chapter is correct at the time of printing. We reserve the right to use new lamps in the course of general technical developments in order to be able to provide our customers with the most suitable lamp in each case.

CONTENTS	PAGE
Low voltage lamps	464
High voltage lamps	468
Discharge lamps	471
Lamp accessories	473
Transformers and other accessories	476

12 VOLT LED RETROFIT

Energy-efficient low voltage lamp

LED
READY

Quality lamp from a well-known brand manufacturer.

Retrofit lamps are only compatible with lamp accessories (e.g. decorative rings) to a limited extent.

Reliable dimming of retrofit lamps is dependent on the actual transformer/dimmer combination and should be checked on a case by case basis.



Equivalent to GU 5.3 / QR-C 51

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
12	3.7	3,000	210	36°	yes	80	A++	25,000	61-121-11-06

Suitable for magnetic transformers.



Equivalent to GU 5.3 / QR-C 51

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
12	6	2,700	380	40°	no	80	A++	50,000	61-122-12-06
		5,700	410	40°	no	>80	A+	50,000	61-122-13-06
		2,700	320	120°	no	>80	A	50,000	61-122-14-06
		5,700	350	120°	no	>80	A	50,000	61-122-15-06

Compatible with decorative rings. Suitable for magnetic transformers and DC power supply units (12 V DC).



Equivalent to G 53 / QR-LP 111

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
12 AC	10.5	3,000	800	24°	no	80	A++	30,000	61-124-17-06
			800	40°	no	>80	A+	30,000	61-124-16-06

Compatible with decorative rings. Suitable for magnetic transformers.



Equivalent to G 53 / QR-LP 111

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
12 DC	12.5	2,700	735	36°	yes	>80	A	25,000	61-124-14-06
		3,000	795	36°	yes	>80	A	25,000	61-124-15-06

Compatible with decorative rings. Suitable for DC power supply units (12 V DC).

12 VOLT IRC

Energy-efficient low voltage halogen lamp

IRC
READY

Quality lamp from a well-known brand manufacturer.

Dimmable with phase cut-off dimmers (dimmer "type C") or phase cut-on dimmers (dimmer "type L") or universal dimmers (dimmer type "R, L, C").

IRC lamps offer the same light output as standard lamps but with lower energy consumption. Conventional lamps can generally be replaced with IRC lamps with a lower wattage.

Examples:

75 W conventional -> 50 W IRC

50 W conventional -> 35 W IRC

35 W conventional -> 25 W IRC



G 4 / QT-LP 9

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
12	7	3,000	105	yes	B	2,000	61-111-10-00
12	14	3,000	240	yes	B	4,000	61-111-11-00



GY 6.35 / QT-LP 12

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
12	25	3,000	500	yes	B	4,000	61-112-10-00
12	35	3,000	900	yes	B	4,000	61-112-11-00
12	50	3,000	1,250	yes	B	4,000	61-112-12-00
12	60	3,000	1,650	yes	B	4,000	61-112-13-00



GU 5.3 / QR-CBC 51

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	14	3,100	2,800	10°	yes	B	4,000	61-113-10-00
			480	36°	yes	B	4,000	61-113-11-00
12	20	3,100	6,000	10°	yes	B	4,000	61-113-12-00
			1,000	36°	yes	B	4,000	61-113-13-00
			450	60°	yes	B	4,000	61-113-14-00
			4,400	24°	yes	B	4,000	61-113-15-00
12	35	3,100	12,500	10°	yes	B	4,000	61-113-16-00
			2,200	36°	yes	B	4,000	61-113-17-00
			1,100	60°	yes	B	4,000	61-113-18-00
			15,000	10°	yes	B	4,000	61-113-19-00
			5,700	24°	yes	B	4,000	61-113-20-00
12	50	3,100	2,850	36°	yes	B	4,000	61-113-21-00
			1,430	60°	yes	B	4,000	61-113-22-00

Cool beam



G 53 / QR-LP 111

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	35	3,000	4,500	24°	yes	B	4,000	61-114-10-00
12	50	3,000	5,800	24°	yes	B	4,000	61-114-11-00
			2,000	45°	yes	B	4,000	61-114-12-00

12 VOLT CONVENTIONAL

Low voltage halogen lamp

Quality lamp from a well-known brand manufacturer.

Dimmable with phase cut-off dimmers (dimmer “type C”), phase cut-on dimmers (dimmer “type L”) or universal dimmers (dimmer type “R, L, C”).



G 4 / QT-LP 9

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
12	5	3,000	60	yes	B	4,000	61-101-10-00
12	10	3,000	140	yes	C	4,000	61-101-11-00
12	20	3,000	320	yes	C	4,000	61-101-12-00
12	35	3,000	600	yes	C	4,000	61-101-13-00



GY 6.35 / QT-LP 12

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
12	20	3,000	320	yes	C	4,000	61-102-10-00
12	35	3,000	600	yes	C	4,000	61-102-11-00
12	50	3,000	930	yes	C	4,000	61-102-12-00



GU 5.3 / QR-CBC 51

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	20	3,000	5,000	10°	yes	B	4,000	61-103-10-00
			780	36°	yes	B	4,000	61-103-11-00
			350	60°	yes	B	4,000	61-103-12-00
12	35	3,000	9,100	10°	yes	B	4,000	61-103-20-00
			3,100	24°	yes	B	4,000	61-103-21-00
			1,500	36°	yes	B	4,000	61-103-22-00
			700	60°	yes	B	4,000	61-103-23-00
12	50	3,000	12,500	10°	yes	B	4,000	61-103-30-00
			4,400	24°	yes	B	4,000	61-103-31-00
			2,200	36°	yes	B	4,000	61-103-32-00
			1,100	60°	yes	B	4,000	61-103-33-00

Cool beam



GU 5.3 / QR-CBC 51

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	50	3,000	2,700	24°	yes	B	15,000	61-104-40-00
			1,500	36°	yes	B	15,000	61-104-41-00

Cool beam

12 VOLT CONVENTIONAL

Low voltage halogen lamp

Quality lamp from a well-known brand manufacturer.

Dimmable with phase cut-off dimmers (dimmer "type C"), phase cut-on dimmers (dimmer "type L") or universal dimmers (dimmer type "R, L, C").



GU 5.3 / QR-C 51

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	20	2,900	5,000	12°	yes	B	4,500	61-105-10-00
			780	24°	yes	B	4,500	61-105-11-00
			350	36°	yes	B	4,500	61-105-12-00
12	35	2,900	9,100	12°	yes	B	4,500	61-105-20-00
			3,100	24°	yes	B	4,500	61-105-21-00
			1,500	36°	yes	B	4,500	61-105-22-00
			700	60°	yes	B	4,500	61-105-23-00
12	50	2,900	12,500	12°	yes	B	4,500	61-105-30-00
			4,400	24°	yes	B	4,500	61-105-31-00
			2,200	36°	yes	B	4,500	61-105-32-00
			1,100	60°	yes	B	4,500	61-105-33-00



Reflecto / matt chrome

GU 5.3 / QR-C 51

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
12	20	2,900	510	36°	yes	B	4,500	61-106-10-06
12	35	2,950	1,200	36°	yes	B	4,500	61-106-11-06
12	50	3,000	3,000	24°	yes	B	4,500	61-106-12-06
			1,580	36°	yes	B	4,500	61-106-13-06

230 VOLT LED RETROFIT

High voltage LED lamp



Length: 54 mm



Length: 56 mm



Length: 81 mm



Length: 87 mm



Length: 109 mm, Ø 38 mm



Length: 132 mm, Ø 68 mm

LED READY

Quality lamp from a well-known brand manufacturer.

Retrofit lamps are only compatible with lamp accessories to a limited extent. Reliable dimming is dependent on the actual dimmer combination and should be checked on a case by case basis.

Equivalent to GU 10 / QPAR 51 (QPAR 16)

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	6.5	2,700	240	35°	yes	>80	A	35,000	61-224-10-06

Compatible with decorative rings.

Equivalent to GU 10 / QPAR 51 (QPAR 16)

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	8.5	2,700	590	35°	yes	>80	A+	30,000	61-227-10-06
230	8.5	3,000	620	35°	yes	>80	A+	30,000	61-227-11-06

Compatible with decorative rings.

Equivalent to GU 10 / QPAR 51 (QPAR 16)

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	7.5	2,700	470	25°	yes	>80	A+	50,000	61-225-10-06
		5,700	480	25°	yes	>80	A+	50,000	61-225-11-06
230	7.5	2,700	450	40°	yes	>80	A+	50,000	61-225-20-06
		5,700	470	40°	yes	>80	A+	50,000	61-225-21-06

Compatible with decorative rings.

Equivalent to GU 10 / QPAR 111

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	18	2,700	760	15°	yes	80	A	50,000	61-226-10-06
		2,700	730	40°	yes	80	A	50,000	61-226-11-06

Compatible with decorative rings.

Equivalent to E 14 / D 45-CS

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	2.5	2,700	220		no	80	A+	15,000	61-228-10-00

Equivalent to E 27 / A 60

V	W	K	lm	Beam angle	Dimmable	CRI	EEC	Service life (h)	Item number
230	11.5	2,700	1,055	150°	yes	80	A+	15,000	61-126-10-06
	16	2,700	1,521	150°	yes	80	A+	15,000	61-126-11-06

230 VOLT ECO

Energy-efficient high voltage halogen lamp

ECO READY

Quality lamp from a well-known brand manufacturer.

Dimmable with phase cut-off dimmers (dimmer "type C") or phase cut-on dimmers (dimmer "type L") or universal dimmers (dimmer type "R, L, C").

ECO lamps offer a particularly high light output per watt and thus better energy efficiency than conventional lamps of the same type.



G 9 / QT 14

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
230	33	2,900	460	yes	C	2,000	61-213-10-00
230	48	2,900	740	yes	C	2,000	61-213-11-00
230	60	2,900	980	yes	C	2,000	61-213-12-00



B15d / QT 18 / 86 mm

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
230	70	2,900	1,180	yes	C	2,000	61-214-10-00
230	100	2,900	1,800	yes	D	2,000	61-214-11-00



R7s / QT-DE 11/12 / 78 mm

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
230	48	2,900	750	yes	D	2,000	61-215-10-00
230	80	2,900	1,400	yes	D	2,000	61-215-11-00
230	120	2,900	2,250	yes	C	2,000	61-215-12-00

R7s / QT-DE 11/12 / 118 mm

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
230	120	2,900	2,250	yes	C	2,000	61-215-20-00
230	160	2,900	3,100	yes	D	2,000	61-215-21-00
230	230	2,900	5,000	yes	C	2,000	61-215-22-00

230 VOLT CONVENTIONAL

High voltage halogen lamp

Quality lamp from a well-known brand manufacturer.

Dimmable with phase cut-off dimmers (dimmer “type C”) or phase cut-on dimmers (dimmer “type L”) or universal dimmers (dimmer type “R, L, C”).



Mirrored

E 14 / D 45-CS

V	W	K	lm	Dimmable	EEC	Service life (h)	Item number
230	25	3,100	185	yes	E	1,000	61-201-10-00



Cool beam

GZ 10 / QPAR-CB 51 (QPAR-CB 16)

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
230	50	2,800	400	40°	yes	D	2,000	61-202-12-00



GU 10 / QPAR 51 (QPAR 16)

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
230	35	2,800	600	35°	yes	D	3,000	61-203-10-00
230	50	2,800	1,000	25°	yes	D	3,000	61-203-11-00
		2,800	600	50°	yes	D	3,000	61-203-12-00



GU 10 / QPAR 64 (QPAR 20)

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
230	50	2,750	1,500	25°	yes	D	3,000	61-204-10-00
230	75	2,800	2,500	25°	yes	D	3,000	61-204-11-00
		2,800	1,000	50°	yes	D	3,000	61-204-12-00



GU 10 / QPAR 111 (QPAR 38)

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
230	75	2,800	3,500	25°	yes	D	2,000	61-205-10-00

GZ 10 / QPAR 111 (QPAR 38)

V	W	K	cd	Beam angle	Dimmable	EEC	Service life (h)	Item number
230	100	2,900	5,000	25°	yes	D	2,000	61-205-11-00

DISCHARGE LAMPS

ESL READY

Quality lamp from a well-known brand manufacturer.



Length: 176 mm

E 27 / TC-TSE

V	W	K	lm	Dimmable	CRI	EEC	Service life (h)	Item number
230	24	2,500	1,445	no	80	A	10,000	61-801-10-00
		4,000	1,445	no	80	A	10,000	61-801-11-00



Diameter: 225 mm

2 GX 13 / T 16-R

V	W	K	lm	Dimmable	CRI	EEC	Service life (h)	Item number
*	22	3,000	1,800	no	80	A+	12,000	61-808-10-00
		4,000	1,800	no	80	A+	12,000	61-808-11-00

* Voltage see control gear



Diameter: 300 mm

2 GX 13 / T 16-R




V	W	K	lm	Dimmable	CRI	EEC	Service life (h)	Item number
*	55	2,700	4,200	no	80	A	12,000	61-808-20-00
		3,000	4,200	no	80	A	12,000	61-808-21-00
		4,000	4,200	no	80	A	12,000	61-808-22-00

* Voltage see control gear

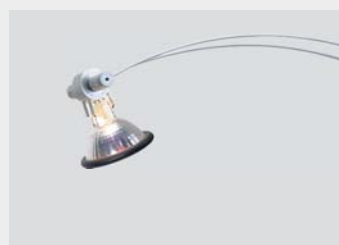


LAMP ACCESSORIES




1. DECORATIVE RINGS




																						
1.1 R 1	1.2 R 2	1.3 R 3																				
Compatible with lamp type: QR-CBC 51 / QPAR 51	Ø 56 x 20mm Compatible with lamp type: QR-CBC 51 / QPAR 51 Compatible with colour filter F 1	Ø 68 x 20mm Compatible with lamp type: QPAR 64																				
Material Rubber	Design: Ralf Keferstein Material Aluminium	Design: Ralf Keferstein Material Aluminium																				
<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Black</td><td>62-201-10-23</td></tr></table>	Colour	Item number	Black	62-201-10-23	<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Chrome</td><td>62-202-10-05</td></tr><tr><td>Matt chrome</td><td>62-202-10-06</td></tr><tr><td>Brushed aluminium</td><td>62-202-10-12</td></tr></table>	Colour	Item number	Chrome	62-202-10-05	Matt chrome	62-202-10-06	Brushed aluminium	62-202-10-12	<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Chrome</td><td>62-203-10-05</td></tr><tr><td>Matt chrome</td><td>62-203-10-06</td></tr><tr><td>Brushed aluminium</td><td>62-203-10-12</td></tr></table>	Colour	Item number	Chrome	62-203-10-05	Matt chrome	62-203-10-06	Brushed aluminium	62-203-10-12
Colour	Item number																					
Black	62-201-10-23																					
Colour	Item number																					
Chrome	62-202-10-05																					
Matt chrome	62-202-10-06																					
Brushed aluminium	62-202-10-12																					
Colour	Item number																					
Chrome	62-203-10-05																					
Matt chrome	62-203-10-06																					
Brushed aluminium	62-203-10-12																					

Compatibility	Compatibility	Compatibility	Luminaires
yes	yes	-	DELTA
yes	yes	-	FUTURA
yes	yes	-	GALERIE
yes	yes	-	GATE B FIVE
yes	yes	yes	GATE B FOUR
yes	yes	yes	GATE B SEVEN
yes	yes	yes	GATE B SEVEN GALERIE
-	-	-	IXION
yes	yes	-	MATCH
yes	yes	-	MX-2
yes	yes	-	MX-HIGH
yes	yes	-	TAIFUN
yes	yes	-	TORINO
yes	yes	-	YPS

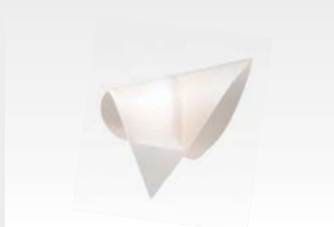


LAMP ACCESSORIES

1. DECORATIVE RINGS	2. SHADES																																					
																																						
1.4 R 4	2.1 S 1	2.2 S 2																																				
<p>Ø 117 x 30mm</p> <p>Compatible with lamp type: QR-LP 111, QPAR 111</p> <p>Design: Ralf Keferstein</p> <p>Material Aluminium</p>	<p>Ø 56 x 40 mm</p> <p>Compatible with lamp type: QR-CBC 51 Compatible with lamps pointing downwards</p> <p>Design: Ralf Keferstein</p> <p>Material Glass, Metal</p>	<p>Ø 56 x 38 mm</p> <p>Compatible with lamp type: QPAR 51 Compatible with lamps pointing downwards</p> <p>Design: Ralf Keferstein</p> <p>Material Glass, Metal</p>																																				
<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>Chrome</td><td>62-204-10-05</td></tr><tr><td>Matt chrome</td><td>62-204-10-06</td></tr><tr><td>Brushed aluminium</td><td>62-204-10-12</td></tr></table>	Colour	Item number	Chrome	62-204-10-05	Matt chrome	62-204-10-06	Brushed aluminium	62-204-10-12	<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>White</td><td>62-211-10-21</td></tr><tr><td>Red</td><td>62-211-10-25</td></tr><tr><td>Pineapple</td><td>62-211-10-32</td></tr><tr><td>Yellow</td><td>62-211-10-34</td></tr><tr><td>Blue</td><td>62-211-10-38</td></tr><tr><td>Silver</td><td>62-211-11-45</td></tr></table>	Colour	Item number	White	62-211-10-21	Red	62-211-10-25	Pineapple	62-211-10-32	Yellow	62-211-10-34	Blue	62-211-10-38	Silver	62-211-11-45	<table><tr><th>Colour</th><th>Item number</th></tr><tr><td>White</td><td>62-212-10-21</td></tr><tr><td>Red</td><td>62-212-10-25</td></tr><tr><td>Pineapple</td><td>62-212-10-32</td></tr><tr><td>Yellow</td><td>62-212-10-34</td></tr><tr><td>Blue</td><td>62-212-10-38</td></tr><tr><td>Silver</td><td>62-212-11-45</td></tr></table>	Colour	Item number	White	62-212-10-21	Red	62-212-10-25	Pineapple	62-212-10-32	Yellow	62-212-10-34	Blue	62-212-10-38	Silver	62-212-11-45
Colour	Item number																																					
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Blue	62-212-10-38																																					
Silver	62-212-11-45																																					
Compatibility	Compatibility	Compatibility																																				
-	yes	-																																				
-	yes	-																																				
-	yes	-																																				
-	yes	-																																				
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2. SHADES



2.3 S3

Compatible with lamp type:
QR-CBC 51, QPAR 51

Design: Ralf Keferstein

Material
Temperature-resistant film

Colour	Item number
White	62-213-10-21

3. COLOUR FILTER



F1

Including mounting

Compatible with lamp type:
QR-CBC 51, QPAR 51
Compatible with lamps with flat
front panel
Compatible with decorative ring R 2

Material
Dichroic glass, rubber

Colour	Item number
Red	62-221-10-24
Yellow	62-221-10-33
Green	62-221-10-35
Blue	62-221-10-37

4. GLARE SHIELD



A2

Anti-glare shutters

Compatible with lamp type:
QR-CBC 51, QPAR 51
Two anti-glare shutters can
be combined

Material
Metal

Colour	Item number
Matt chrome	62-232-10-06
Black	62-232-10-23

Compatibility

yes
yes
yes
yes
-
yes
yes
-
yes
yes
yes
yes
yes
yes

Compatibility

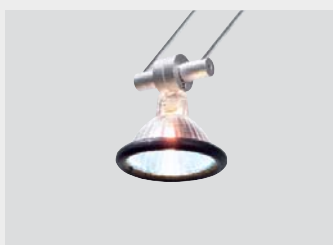
yes
yes
yes
yes
yes
yes
yes
-
yes
yes
yes
yes
yes
yes

Compatibility

yes
yes
yes
yes
-
yes
yes
-
yes
yes
yes
yes
yes
yes

Luminaires

DELTA
FUTURA
GALERIE
GATE B FIVE
GATE B FOUR
GATE B SEVEN
GATE B SEVEN GALERIE
IXION
MATCH
MX-2
MX-HIGH
TAIFUN
TORINO
YPS



ACCESSORIES

Transformers, switching power supplies and dimmers

1. TRANSFORMERS

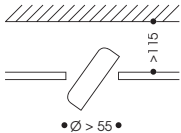
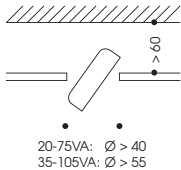


1.1 OSRAM MOUSE™

230 V / 50-60 Hz / 12 V
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type L” and “Type C” dimmers
Protection class 2

Installation in or on furniture elements with normal flammability permissible

Certificates
ENEC, VDE



VA	Size (mm)	Ceiling cut-out (mm)	Item number
20-75	104 x 33 x 22	Ø 40	60-116-10-21
35-105	108 x 52 x 33	Ø 55	60-116-11-21
50-150	153 x 54 x 36	Ø 55	60-116-12-21

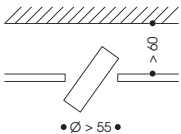
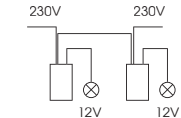
1. TRANSFORMERS



1.2 ET 1

230 V / 50-60 Hz / 12 V
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Protection class 2

Through-wiring:
Primary 2x 2.5 mm² terminals / secondary 4 mm²



VA	Size (mm)	Ceiling cut-out (mm)	Item number
35-105	124 x 48 x 28	Ø 55	60-111-11-25



1.3 ET 4

230 V / 50-60 Hz / 12 V
Electronic flat transformer
Permissible secondary side cable length <2 m
Compatible with “Type C” dimmers
Protection class 2

Primary 2x terminals / secondary 3 terminals max. 3x 35 W

Certificates
ENEC, VDE

VA	Size (mm)	Item number
35-105	175 x 42 x 18	60-112-10-21

1. TRANSFORMERS



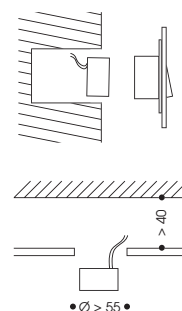
1.4 ET 5 QUAD

230 V / 50-60 Hz / 12 V
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers
Protection class 2

VA	Size (mm)	Item number
20-60	55 x 48 x 28	60-113-10-23
35-105	89 x 45 x 28	60-113-11-23
50-150	127 x 42 x 30	60-113-13-21

1.5 ET 5 MINI

230 V / 50-60 Hz / 12 V
Electronic transformer
Permissible secondary side cable length <2 m
Compatible with "Type C" dimmers
Protection class 2



VA	Size (mm)	Item number
20-60	Ø 53 x 29	60-113-20-23

1. TRANSFORMERS



1.6 ET 6

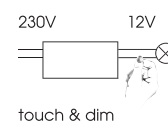
230 V / 50-60 Hz / 12 V
Electronic cord transformer, with sliding dimmer
Permissible secondary side cable length <2 m
Protection class 2

Certificates
ENEC, VDE

VA	Size (mm)	Item number
20-105	150 x 70 x 36	60-114-10-23

1.7 ET 7 TOUCH

230 V / 50-60 Hz / 12 V
Electronic transformer, with touch dimmer
Permissible secondary side cable length <2 m
Protection class 2



2-cable system

VA	Size (mm)	Item number
35-60	144 x 45 x 34 mm	60-115-10-23
35-105	144 x 45 x 34 mm	60-115-11-23

3-cable system

VA	Size (mm)	Item number
35-60	144 x 45 x 34 mm	60-115-20-23
35-105	144 x 45 x 34 mm	60-115-21-23

1. TRANSFORMERS



1.8 MT 1		
230 V / 50-60 Hz / 12 V Magnetic transformer Compatible with "Type L" dimmers Protection class 2 300 mm primary cable and glass fuse		
Certificates ENEC		
VA	Size (mm)	Item number
105	108 x 78 x 80	60-101-10-21
150	130 x 85 x 80	60-101-11-21
200	130 x 85 x 100	60-101-12-21
300	130 x 85 x 100	60-101-13-21
400	175 x 128 x 118	60-101-14-21

2. POWER INDUCTOR



230 V / 50-60 Hz For reducing dimmer noise Compatible with magnetic transformers / MT 1		
A	Size (mm)	Item number
max. 1.5	Ø 52 x 26	60-301-10-23

3. SWITCHING POWER SUPPLIES



3.1 DC 1		
100-240 V / 50-60 Hz / 12 V DC With functional earthing		
Certificates ENEC		
VA	Size (mm)	Item number
45	182 x 62 x 35	60-211-11-21
60	182 x 62 x 35	60-211-12-21



3.2 DC 2		
100-240 V / 50-60 Hz / 24 V DC Protection class 1 IP 65		
VA	Size (mm)	Item number
60	171 x 62 x 37	60-211-20-06
120	220 x 68 x 39	60-211-21-06
240	244 x 68 x 39	60-211-22-06

3. SWITCHING POWER SUPPLIES



3.3 DC 3

110-240 V / 50 Hz / universal
 Constant current 350/700/1050 mA
 Constant current 10 V DC max. 10 W
 Constant current 12 V DC max. 12 W
 Constant current 24 V DC max. 20 W
 Protection class 2

Certificates
 ENEC

VA	Size (mm)	Item number
20	110 x 52 x 24	60-211-10-21

4. DIMMERS



LED ROTARY DIMMER / SET

Busch Jaeger 6523 U-102
 LED dimmer UP insert
 With rotary actuation, pressure sequence toggle switch and soft detent
 Rated voltage: 230 V~, + 10 % / - 10 %
 Rated frequency: 50 Hz/60 Hz
 Rated output: 2 - 100 W/VA

Busch Jaeger 1721-184K
 Single cover frame, colour: Studio white
 80 x 80 x 11 mm

Busch Jaeger 6540-84-102
 Central slide with rotary knob and glow lamp, colour: Studio white
 63 x 63 mm

Type	Item number
Dimmer insert	60-671-00-00 *
Set: Dimmer insert with rotary knob and cover frame	60-625-00-00 *

* New in the range

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Index by item number	485
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BY LUMINAIRE NAME

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BALIBU BEACH				249			
BALINO				237		365	
BENE				253		371	
BENE DICT						357	
BOURBON	75	111	181			361	
B-TUBE				225			
CHARLES						359	403
COCO						377	
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Luminaire name	SMART.TRACK Page 39	SMART.POINT Page 87	PHASE Page 123	CHECK-IN Page 199	READY FOR TAKE OFF Page 275	PLUG-IN Page 337	LIGHT-LINE Page 389
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LIGHT DECK			157				
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MADemoiselle FILOU				233			
MAGIC				233	301		
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SIR GATSBY			185	243			
STREAM 51					295	352	
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TORINO					311		
TWIN LANE			160	207			
VERSIO			154	205			
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YPS							397

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SHOP / RECESSED RECESSED SYSTEM

BY LUMINAIRE NAME

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SHOP / MOD 1 recessed system	426	yes	yes	model dependent	-	model dependent
SHOP / MOD 3 recessed system	427	yes	yes	-	-	yes
RECESSED recessed luminaires						
RD 2	443	yes	yes	model dependent	-	model dependent
RD 3	449	-	yes	optional	-	yes
RD 4	453	-	-	optional	-	yes
RD 5	441	yes	yes	optional	-	yes
RD 8	451	-	-	model dependent	-	model dependent
RD 11	445	-	-	optional	-	yes
RD 12	453	-	-	optional	-	yes
RD 13	445	-	-	-	-	yes
RD 16	459	-	-	-	-	yes
RD 17	459	-	-	-	-	yes
RD 21	441	-	yes	-	-	yes
RD 27 LED	455	-	yes	-	yes	-
RD 28 LED	457	-	-	-	yes	-
RD 29 LED	456	-	-	-	yes	-
RD 30 LED	451	-	-	yes	-	-
RD 31 LED	448	-	yes	yes	-	-
RD 32 LED	447	yes	yes	yes	-	-
RD 33 LED	447	yes	yes	yes	-	-
RD 34 LED	437	yes	yes	-	yes	-
RD 35 LED	439	-	yes	yes	-	-
RD 36 LED	439	-	-	-	yes	-

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BY ITEM NUMBER

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THE OLIGO ITEM NUMBERS

With the OLIGO item number system, you can order even more easily. Each item number comprises four blocks of numbers. The blocks of numbers stand for functions, product families, variants and colour key. By means of the number combination, you can clearly see whether a plan is consistent and coherent with regard to system, luminaire family, surface and colour.

Operating features such as gesture control or touch dimmers are indicated by letters at the beginning of the item number.

This system applies for all products in the OLIGO range.

AN EXAMPLE OF THE SYSTEM

20 - 862 - 13 - 21

The number sequence in this item number indicates the SMART.POINT 24 V WALKER spotlight in matt white.

Primary colour

05 = chrome, 06 = matt chrome, 07 = leaf silver, etc.
20 = bright white, 21 = matt white,
22 = bright black, 23 = matt black, etc.

A shade colour is separated from the primary colour by an oblique stroke.

Indication of luminaire-specific features,
e.g. the type of reflector

Family identification
e.g. 862 = WALKER, 898 = A LITTLE BIT, etc.

System or function indication
20 = 24 V SMART.POINT, 30 = CHECK-IN, etc.

Letters to indicate an operating function are placed before the item number: T = touch dimmer,
G = gesture control D = integrated DALI converter

ORDERING INFORMATION AND TECHNICAL INFORMATION

ORDERS

Unless otherwise specified, luminaires are always supplied without lamps. Accessories should always be ordered separately.

Products from OLIGO should only be acquired from our specialist retail and wholesale trade partners. A retailer overview can be found at www.oligo.de.

All previous brochures become invalid with the publication of this catalogue. In case of doubt, the order date applies for the aforementioned effectiveness.

All offers are non-binding and only take effect with our written confirmation on the basis of our T&C. Verbal agreements require written confirmation.

For special models of our products, please contact our customer service department.

TECHNICAL INFORMATION

LIGHT VALUES

For luminaires with integrated LEDs, all lumen information comprises actual measures values at operating temperature for the luminaire. Nominal information from the LED manufacturer is up to 20% higher.

SURFACES, COLOURS AND MATERIALS

All information regarding surfaces are merely colour information and do not specify material designation.

Matt metal surfaces are either varnished, anodised or galvanised. Bright metal surfaces are either polished or galvanised.

Shades are generally satin finished on the outside and reflection coated on the inside. Some shades are hand-blown and hand crafted single unit products with individual character. Small differences are unavoidable.

PROTECTION CLASS

Unless otherwise, luminaires are always technically designed according to protection class IP 20. All transformers and power supply units have safety extra-low voltage (SELV).

LAMPS

Information regarding lamps complies with the ZVEI [Central Association of the Electrical and Electronics Industry] lamp designation system (LBS).

Subject to technical modifications. No liability shall be accepted to the accuracy of technical information or for colour differences.

KEY

LED
INTEGRIERT

Luminaires with integrated LED technology. The LED lamps in these luminaires can only be changed by the manufacturer.

LED
READY

This symbol indicates the compatibility of luminaire and lamp. The thermal and mechanical usability of the LED retrofit lamps recommended in this catalogue has been tested.

IRC
READY


Luminaires marked with this symbol can be fitted with energy-efficient low voltage halogen lamps.

ECO
READY


Luminaires marked with this symbol can be fitted with energy-efficient high voltage halogen lamps.

ESL
READY

Luminaires marked with this symbol can be fitted with energy-saving lamps.

 DIMMER

Integrated dimmer function.

 System component can be integrated into a DALI system.

TYPICAL UNITS OF MEASUREMENT AND ABBREVIATIONS

cd	=	Candela
lm	=	Lumen
K	=	Kelvin
CRI	=	Colour rendering index
V	=	Volt
VA	=	Volt-ampere
AC	=	Alternating current
DC	=	Direct current
Hz	=	Hertz
W	=	Watt
RAL	=	Standardised colour value
EEC	=	Energy efficiency class

ADDITIONAL INFORMATION

National and international property rights such as patents, registered designs, industrial designs or trademarks are registered for many OLIGO lighting systems and luminaires.

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PROTECTION CLASSES ACCORDING TO 60529 (IP = Ingress Protection)

Protection against foreign substances and contact

Protection against water

IP 2x	> 12 mm	IP x0	No protection
IP 3x	> 2.5 mm	IP x2	Droplets up to 15° to the vertical
IP 4x	> 1 mm	IP x3	Spray up to 60° to the vertical
IP 5x	Protected against dust	IP x4	Spray from all directions
IP 6x	Dust-proof	IP x5	Water jet from all directions
		IP x7	Waterproof

Example:
IP 67 = dust-proof / waterproof

PROTECTION CLASSES ACCORDING TO DIN 40 100 (EC Publ. 417)

Protection class 1

Exposed metal parts connected to the protective earth of the luminaire.

Protection class 2

Live parts are additionally insulated and cannot be touched in the event of a fault.

Protection class 3

Safety extra-low voltage (SELV).

LUMINOUS FLUX REDUCTION FOR 12 V AC INSTALLATIONS

	10% luminous flux reduction					20% luminous flux reduction					30% luminous flux reduction				
	Cable length s/m					Cable length s/m					Cable length s/m				
	2.5	5.0	7.5	10.0	15.0	2.5	5.0	7.5	10.0	15.0	2.5	5.0	7.5	10.0	15.0
Lamp output W	Cable cross section mm²					Cable cross section mm²					Cable cross section mm²				
	0.75	0.75	1.5	1.5	2.5	0.75	0.75	0.75	0.75	1.5	0.75	0.75	0.75	0.75	0.75
20	0.75	1.5	2.5	4	6	0.75	0.75	1	1.5	2.5	0.75	0.75	0.75	1	1.5
40	1	2.5	4	4	6	0.75	1	1.5	2.5	4	0.75	0.75	1	1.5	2.5
50	1.5	2.5	4	6	10	0.75	1.5	2.5	2.5	4	0.75	0.75	1	1.5	2.5
60	1.5	4	6	6	10	0.75	1.5	2.5	4	4	0.75	1	1.5	2.5	2.5
75	1.5	4	6	10	10	0.75	1.5	2.5	4	6	0.75	1	1.5	2.5	4
80	2.5	4	6	10	16	1	2.5	4	4	6	0.75	1.5	2.5	2.5	4
100	2.5	6	10	10	16	1.5	2.5	4	6	10	0.75	1.5	2.5	4	4
120	4	6	10	16	16	1.5	2.5	4	6	10	1	2.5	2.5	4	6
140	4	6	10	16	25	1.5	4	4	6	10	1	2.5	2.5	4	6
160	4	10	10	16	25	2.5	4	6	10	10	1.5	2.5	4	4	6
180	4	10	16	16	25	2.5	4	6	10	16	2.5	2.5	4	6	10
200	6	10	16	25	25	2.5	4	6	10	16	2.5	4	6	6	10
225	6	10	16	25	-	2.5	6	10	10	16	2.5	4	6	6	10
250	6	16	25	25	-	4	6	10	16	16	2.5	4	6	10	10
300	10	16	25	-	-	4	10	10	16	25	4	4	6	10	16
350	10	16	25	-	-	6	10	16	16	25	6	6	10	10	16
400	10	25	25	-	-	6	10	16	16	25	6	6	10	10	16
450	10	25	-	-	-	10	10	16	25	-	10	10	10	16	25
500	10	25	-	-	-	10	16	16	25	-	10	10	10	16	25
550	16	25	-	-	-	10	16	16	25	-	10	10	10	16	25
600															

OLIGO Lichttechnik GmbH is a partner
in the following cooperations:

licht.de

Fördergemeinschaft Gutes Licht
[Association for the Promotion of
Good Lighting]

ZVEI:

Zentralverband Elektroindustrie
[Central Association of the Electrical
and Electronics Industry]

DIALux

Lichtplanungs-Software
[Light Planning Software]

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