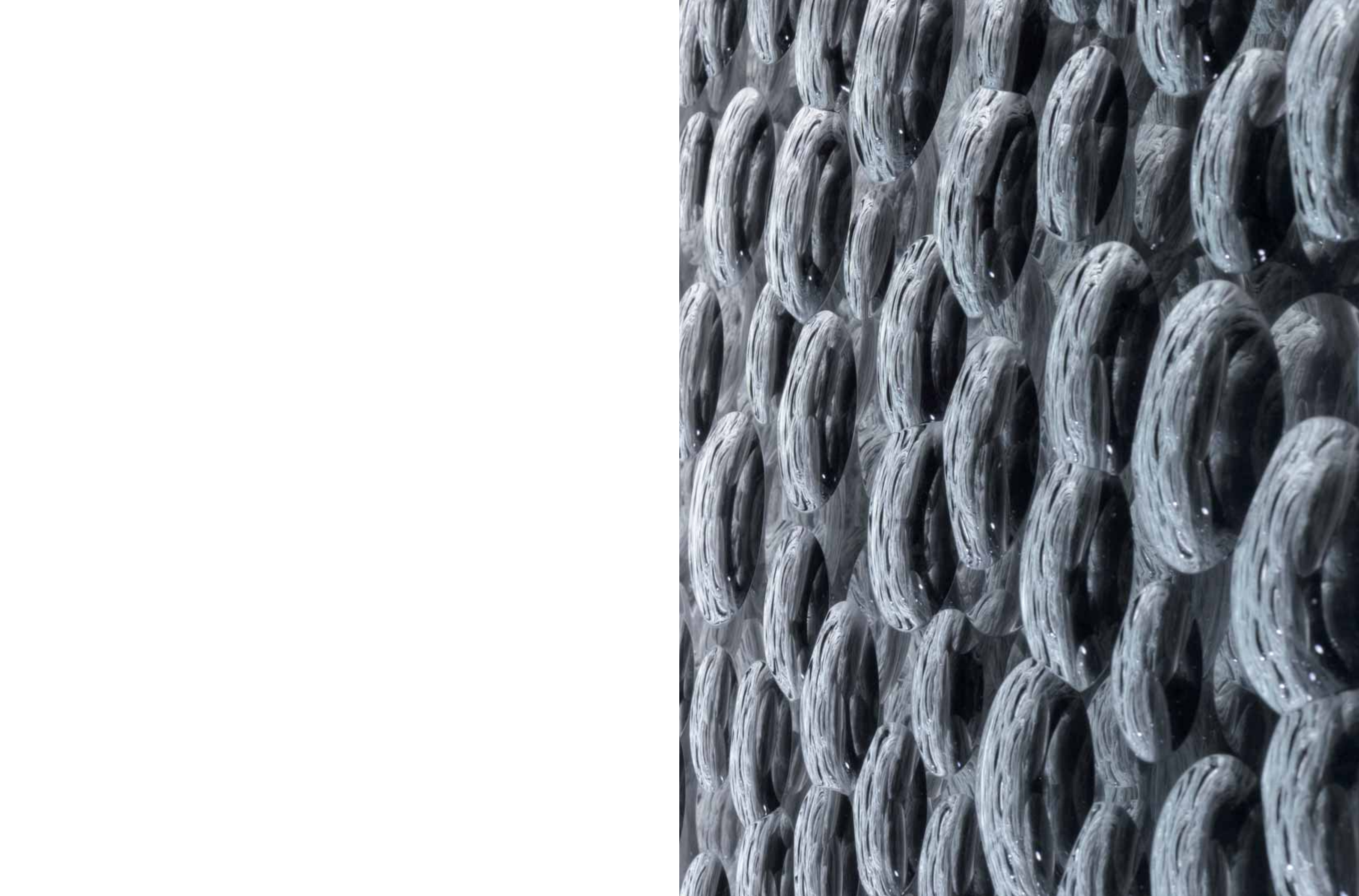


The background of the entire page is a light gray pattern of overlapping circles and hexagons, creating a cellular or honeycomb-like structure.

Hydrogene
Designed
by Lars Kemper
& Peter Olah

LASVIT



Hydrogene
one-sentence description

Hydrogene is a versatile architectural system made from uniquely designed and crafted illuminated glass panels to decorate walls, floors, ceilings and other indoor as well as outdoor surfaces.

Hydrogene
overview paragraph

Lasvit's new Hydrogene system takes the synthesis of glass and light beyond the contemporary realm and pushes the boundaries of art glassmaking to a new level. Hydrogene is a modern architectural system which Lars Kemper and Peter Olah designed specifically for architects with flexibility in mind. Hydrogene's superior made-to-order panels of unique decorative glass transform almost any architectural surface into a bright focal point of attention. Additionally, turning on the integral LED lights creates a kaleidoscopic illusion of depth and movement. This system allows architects to draw from customized frame shapes of different sizes, decors and lighting options, from cold to warm to colored. The versatility of Lasvit's Hydrogene system means that it can be utilized in almost any public and private spaces, such as hotel receptions, spas and bars, including exteriors.

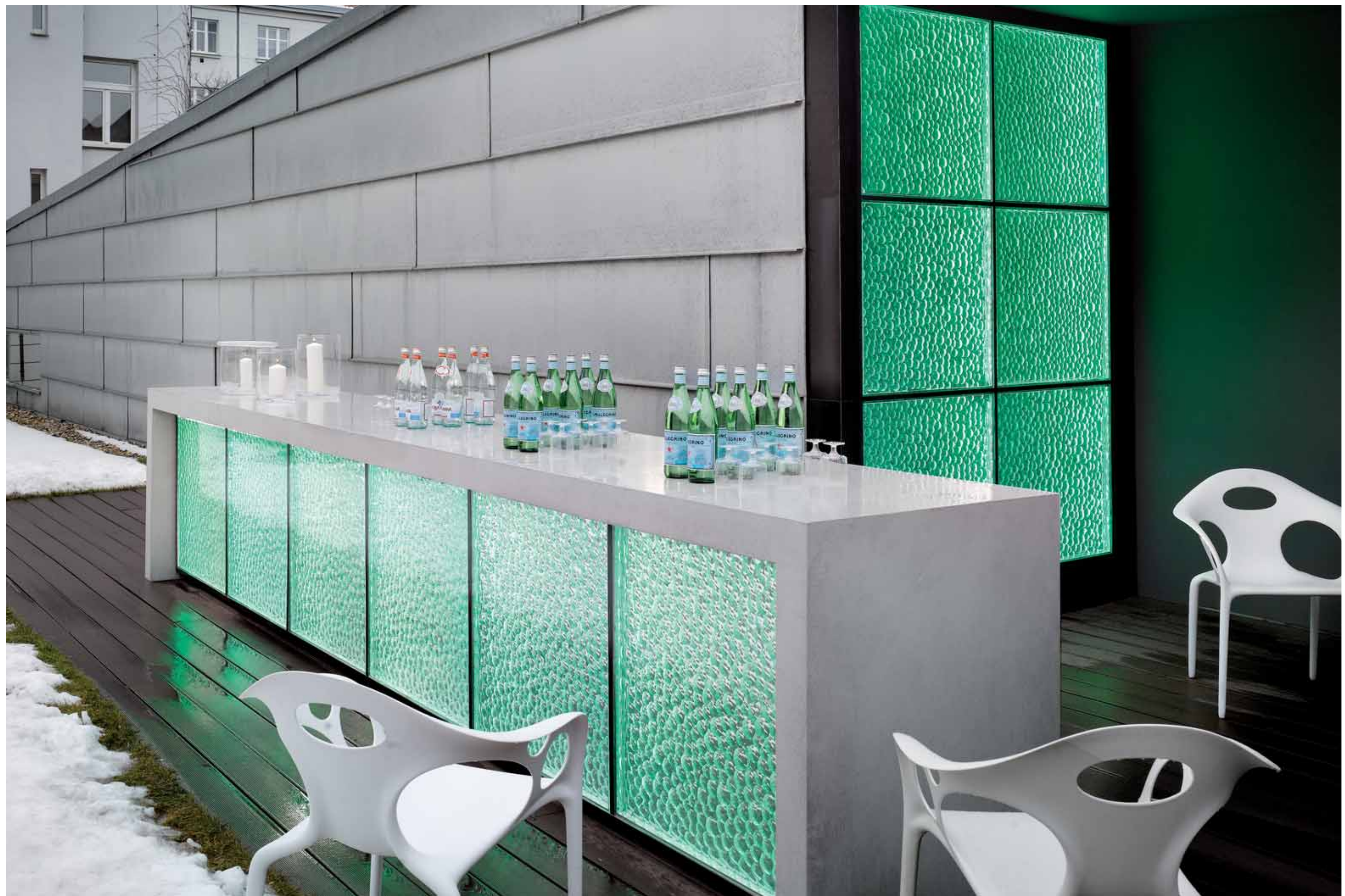


Reception



Winter Garden Party







Bar

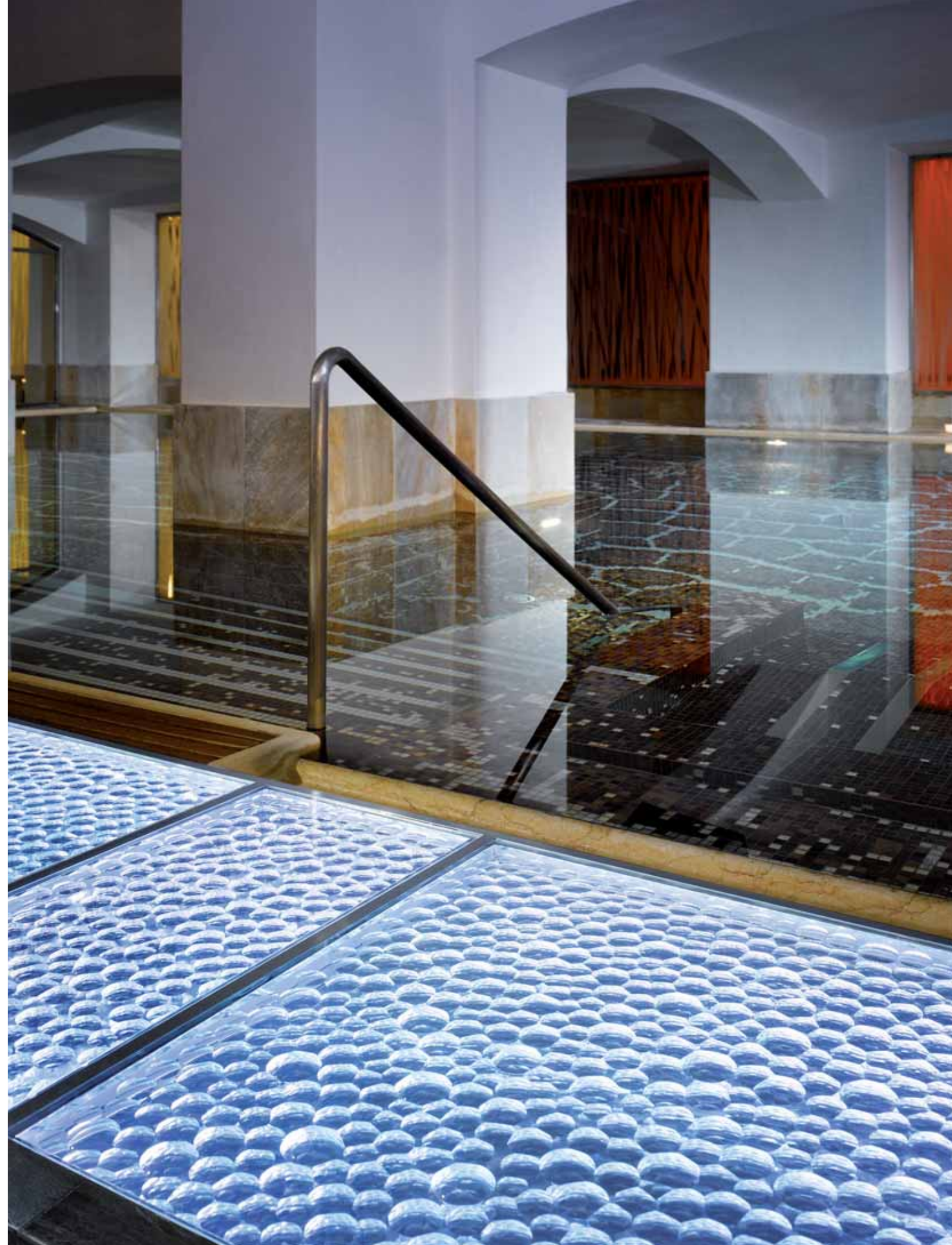


Hotel Room

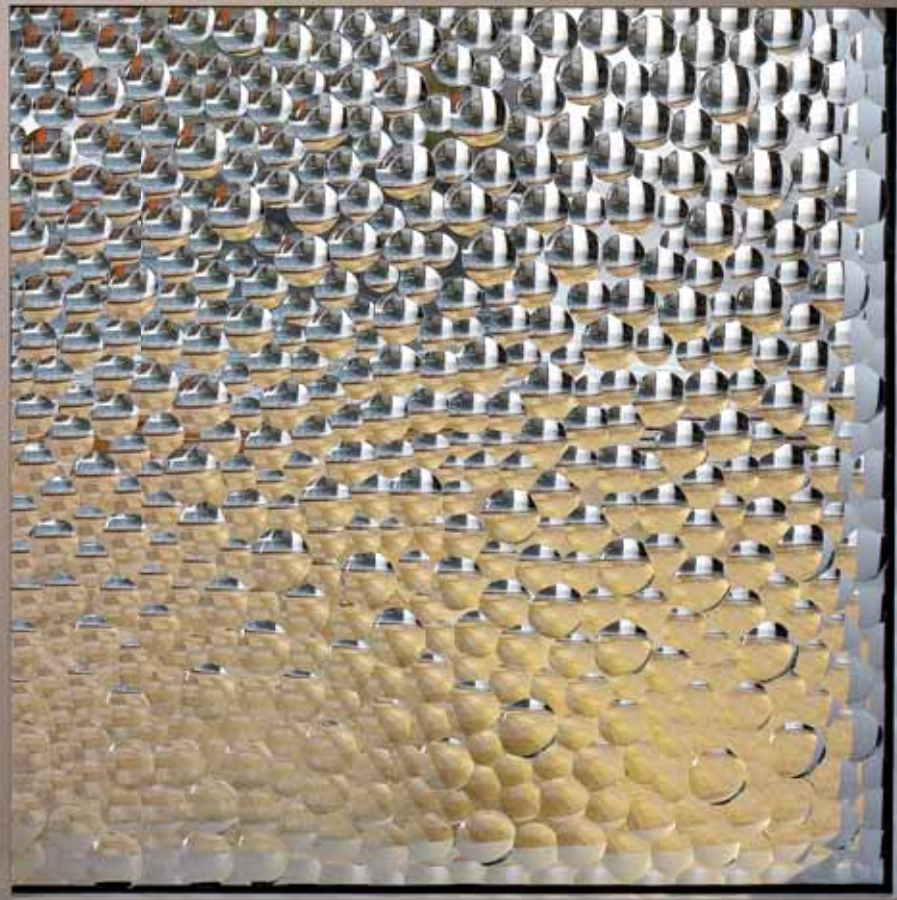




Spa & Wellness

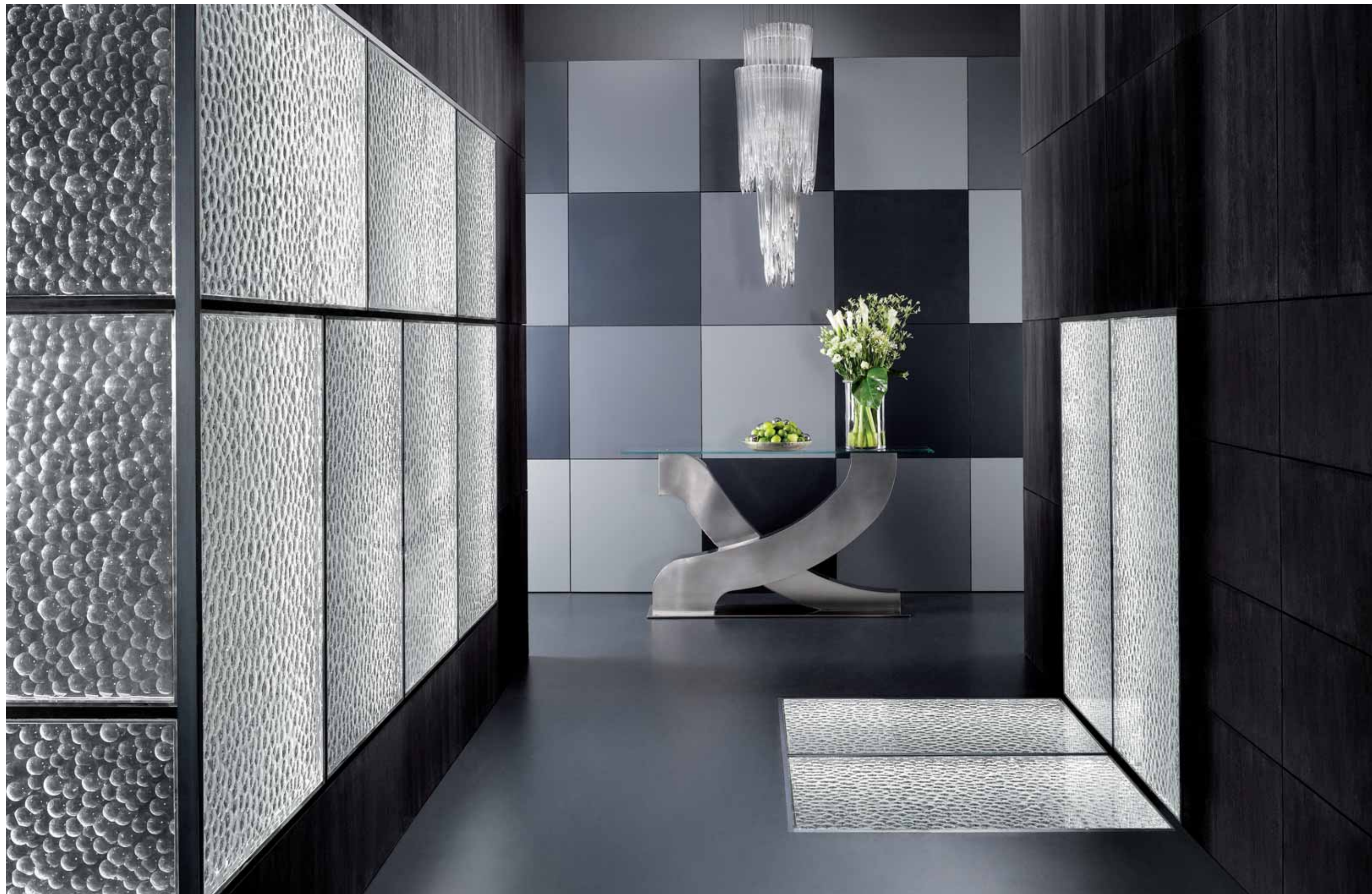






Club





Public Space

Olympic Crystal Bar
Czech House / London 2012



Public Space

La Reve / Dubai



Solutions for Architecture







Hydrogene

Product Specifications

Installation — The panels may be installed vertically. Horizontal installations are decorative only and not weight-bearing. The installation must meet the relevant construction and electrical regulations of that country. The installation voltage is 24V for integrated panels and 12V for independent panels. Each panel has its own low-voltage source which may be darkened at wish upon a requested setting.

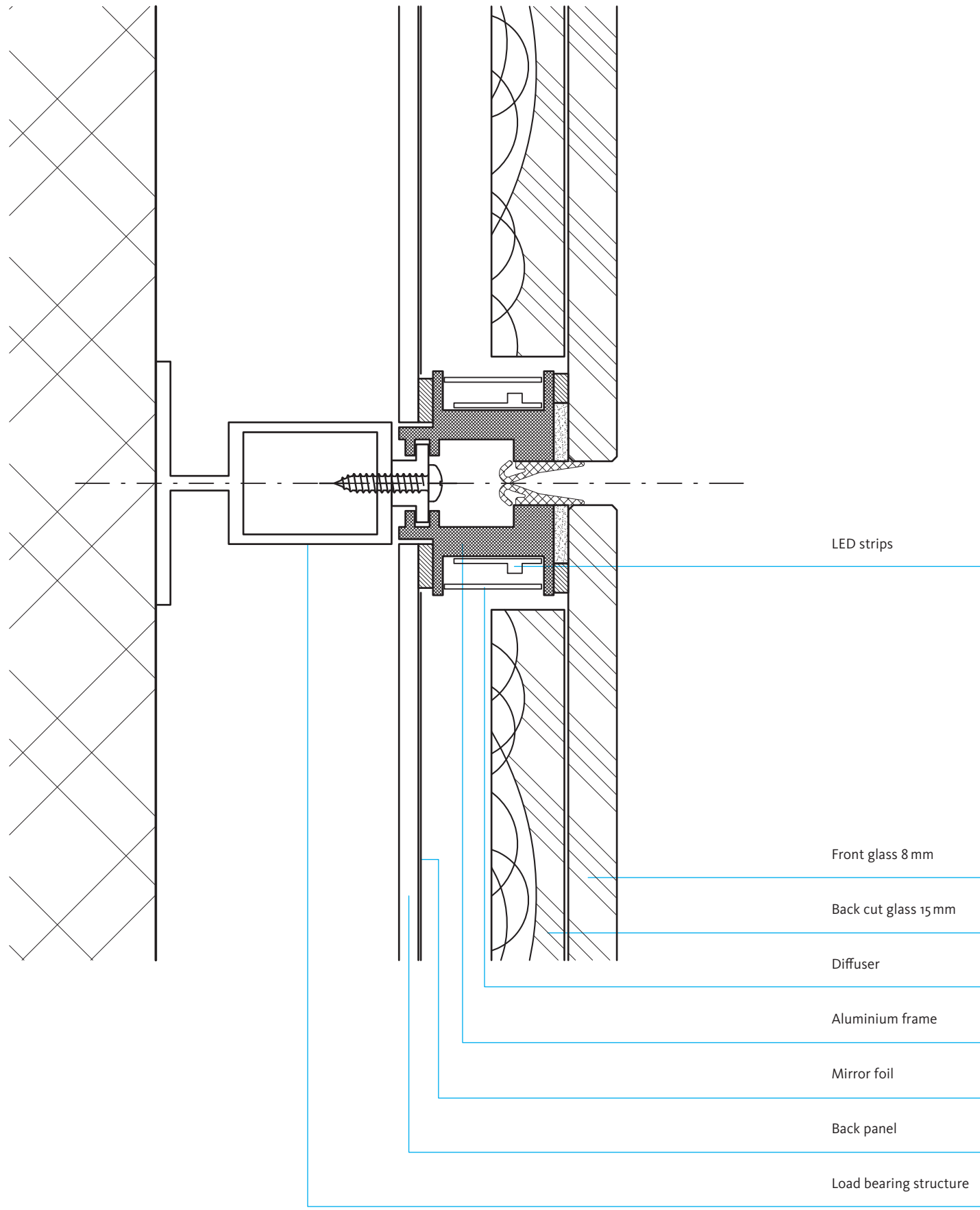
The built-in panels are designed for dry or damp environments. They are not waterproof against sprayed or pressurized water. Independent panels are designed purely for dry interiors.

Available shapes and dimensions of panels — Square, rectangular or circular from 300 to 800mm outside measurements. Panel H has a minimum thickness of 45mm.

Glass and colors — The type of glass used is OPTIWHITE. If a colored shade is required, it is possible to achieve with colored laminate film. With the use of integral LED illumination inside the panels it is possible to create cold or warm white LED illumination or programmable RGB providing any range of colors.

Aluminium — The panels are framed with aluminum in an aluminum matt color, although upon request it is possible to color anodize them.





Edge profile

Front glass 8 mm

Back cut glass 15 mm

Diffuser

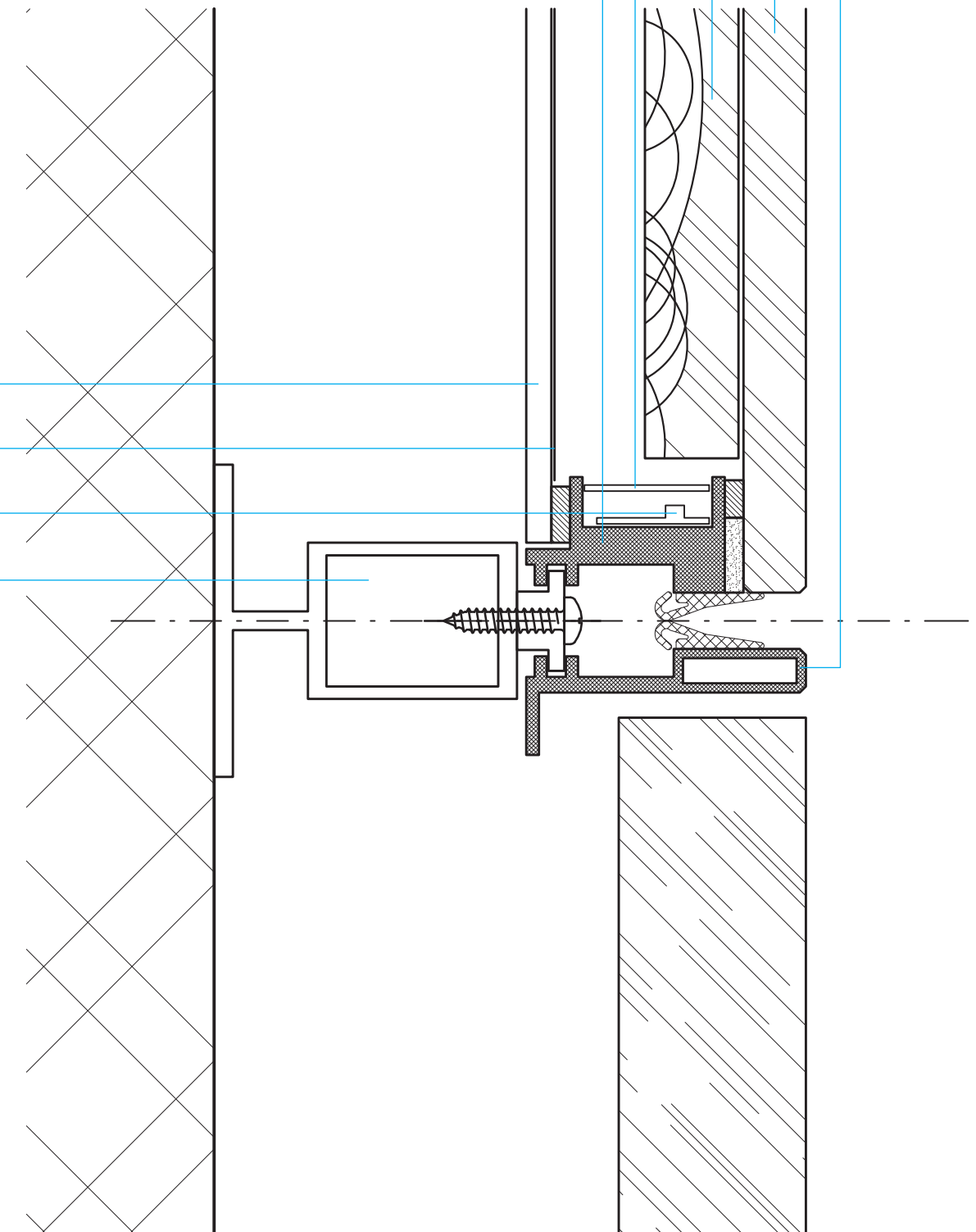
Aluminium frame

Back panel

Mirror foil

LED strips

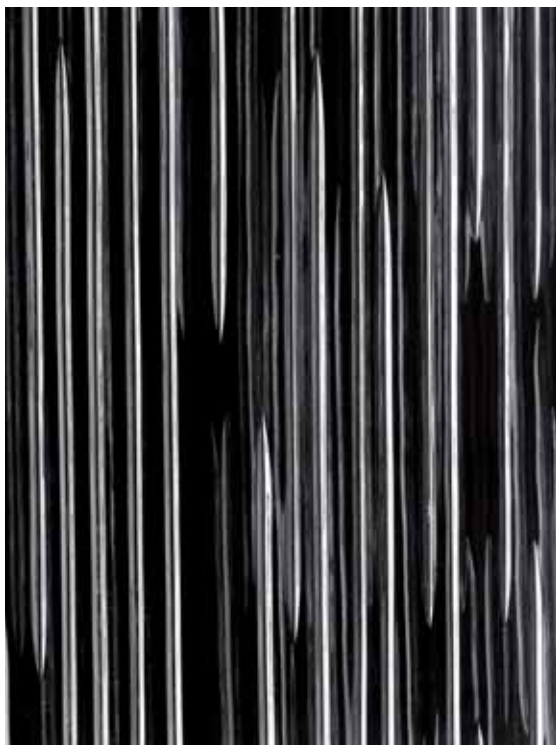
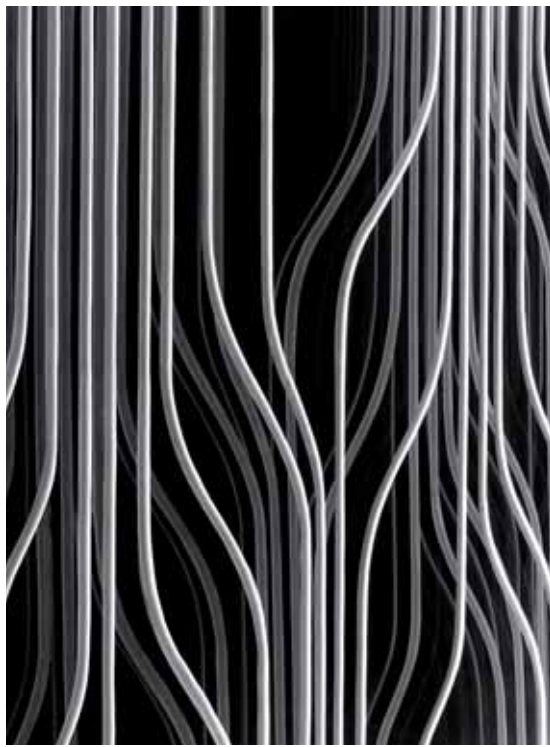
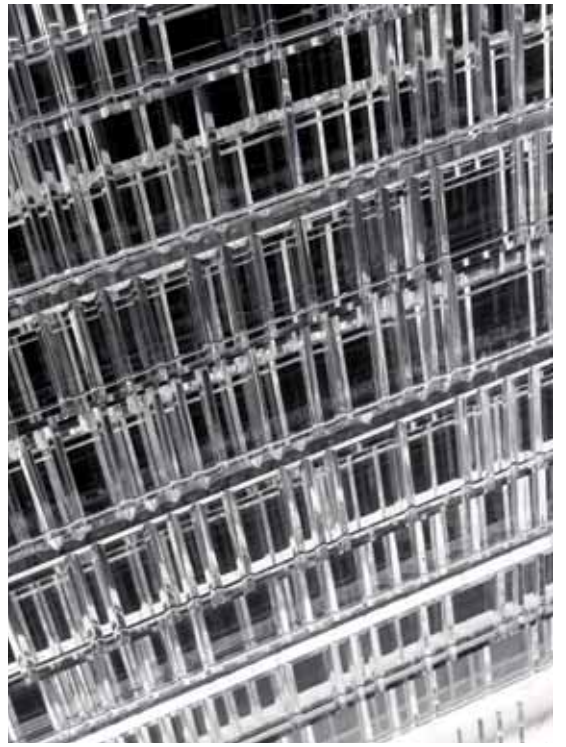
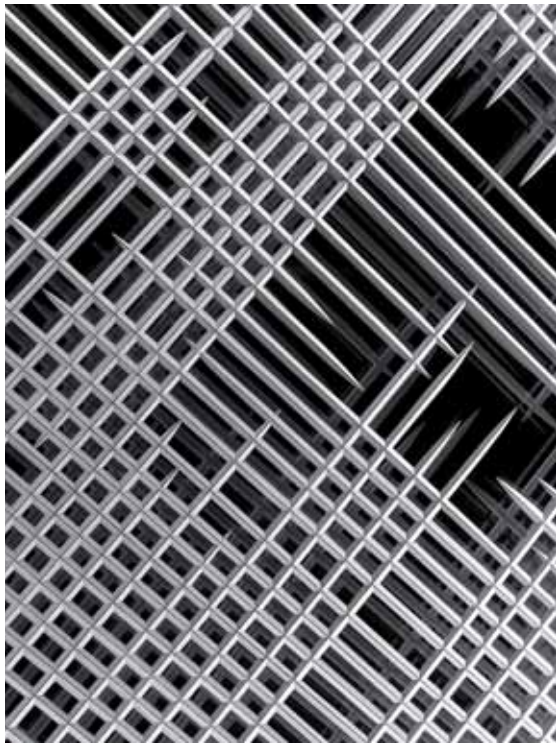
Load bearing structure

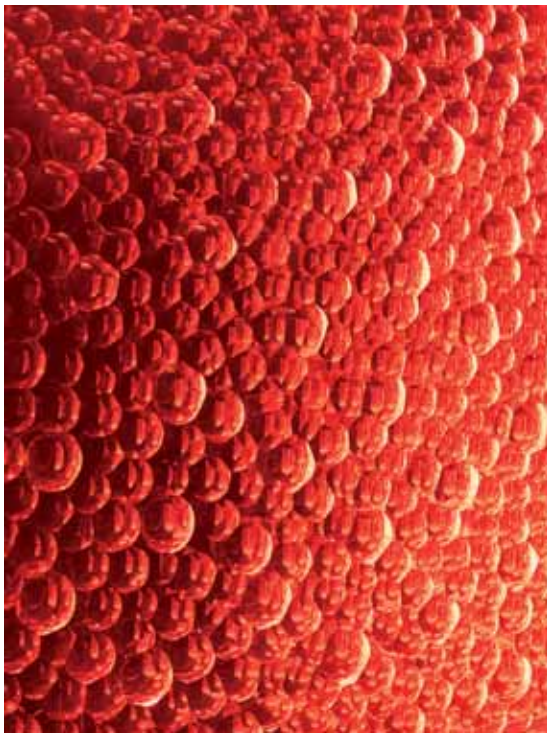
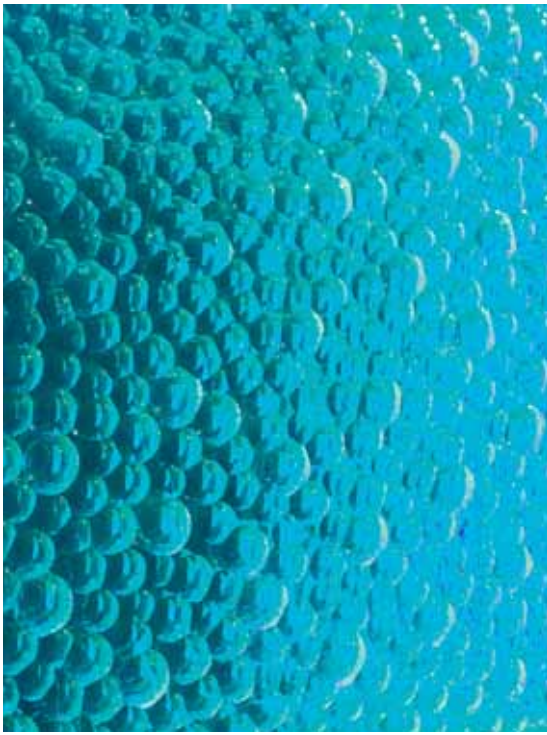
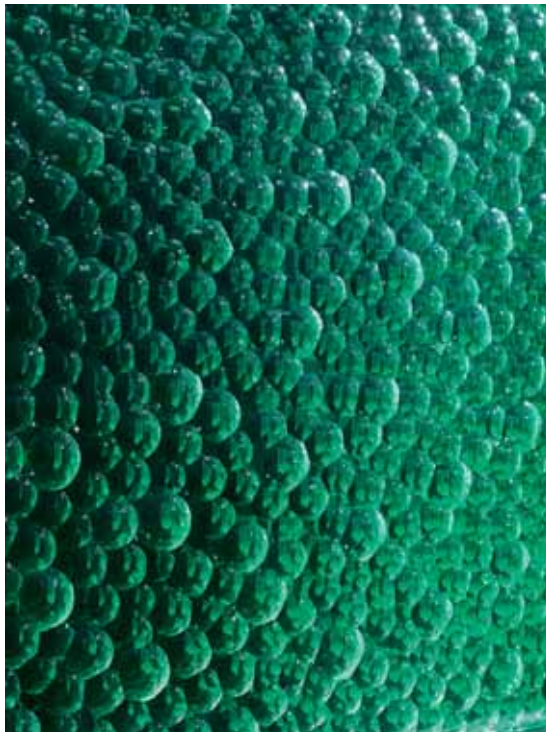
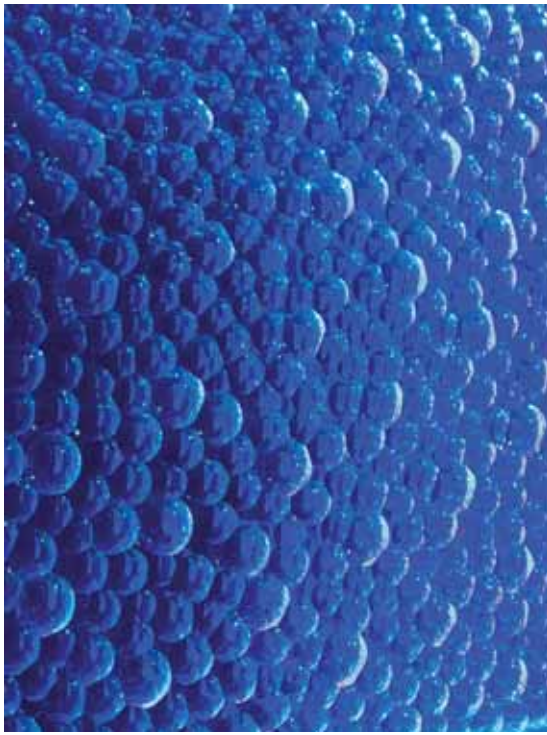


Other décor
possibilities





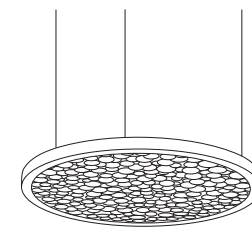




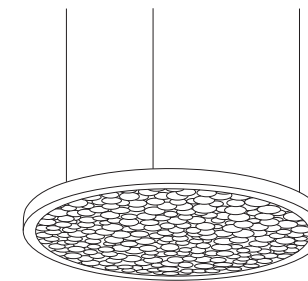
Hydrogene in Collections

A simple pendant style fitting serves as a ceiling lamp while other styles include mountings for vertical walls to create a light-grid or compact lighting elements, like a table lamp, for illumination of a dedicated work space.

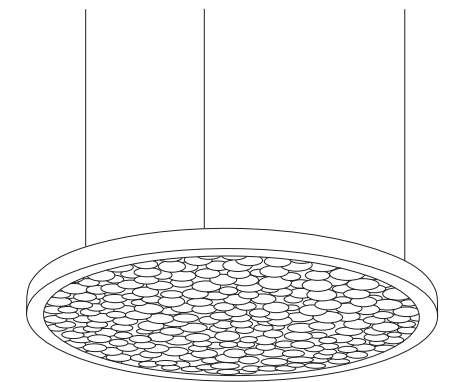




Dimensions — Dia 380 mm
Primary Material — cut crystal glass
Other Materials — brushed stainless steel, polished stainless steel mirror
Light Source — LED, cold white / warm white, 35W



Dimensions — Dia 500 mm
Primary Material — cut crystal glass
Other Materials — brushed stainless steel, polished stainless steel mirror
Light Source — LED, cold white / warm white, 58W



Dimensions — Dia 750 mm
Primary Material — cut crystal glass
Other Materials — brushed stainless steel, polished stainless steel mirror
Light Source — LED, cold white / warm white, 75W

Lars Kemper and Peter Olah

Just one look at their creations and it is immediately apparent that the duo of Lars Kemper (Germany) and Peter Olah (Slovakia) share a similar, passionate love of modern art and design. Since 2004 they have been combining their education and experience in an East-meets-West setting. Geographically this works perfectly as they are now both based right in between their own countries in the heart of Europe, the Czech Republic. As both are working outside their homelands, they laughingly refer to themselves as “Gastarbeiter” (guest workers).

The influence from this blend of three countries has had a significant impact on their styles as they search to combine modern technology with time-honoured craftsmanship to provide innovative aesthetics. They love taking traditional materials and methods to interpret into a fresh and modern style, pushing the boundaries of design and production while insisting that the quality always remains the very best.

Their search for new challenges leads them to a multitude of different places across the globe: from Milan, one of the design capitals of the world, to Dubai, a vibrant ultra-modern city, to the booming Asian business centre of Shanghai. The inspiration the pair gains from such visits allows them to create one-off solutions. The high standards they set for themselves also reflect in the work they expect from the highly-valued skills of the top craftsmen they use, the best in the region. This attitude to perfection is combined with minimalist functionality to ensure that the end result does not only look elegant but also serves a useful purpose.

Away from the design room the pair has formed a friendship which has cemented their mutual understanding and they can often be found chatting in a restaurant or bar...where even more creative ideas flow!



About Lasvit

The Lasvit Group, founded in 2007 and based in the Czech Republic, is a leading designer and manufacturer of custom contemporary light fittings, feature architectural glass installations and lighting collections. Lasvit's glass art designs combine the finest traditions and craft in innovative Bohemian glass making with world-class research and development facilities for glass design, technology, manufacturing and engineering.

Leon Jakimic founded Lasvit with a single vision – to create perfect experience through the quality of light, glass, and design. The list of Lasvit's art pieces includes hand blown objects in private residences, public spaces and luxurious hotels as well as in high-end boutiques and extraordinary interiors. Lasvit is currently developing and producing a wide range of glass panel sheets for the architecture industry.

Lasvit's commitment to creativity and innovation has resulted in creative collaborations with some of the world's most celebrated designers including Ross Lovegrove, Nendo Studio, Arik Levy, Fabio Novembre and Michael Young.

Lasvit projects span the globe from London, Paris and Prague, to international cities including Moscow, Los Angeles, Hong Kong and Singapore. Projects vary from glass sculptures for private residences, to large-scale installations for luxury boutiques and hotels. The company has 10 international offices in locations including Asia, the Middle East, Europe, Brazil and the US.

Lasvit Centers of Innovation

Custom-made Installations — Custom-made crystal and glass art installations perfectly matching customers' needs. Lasvit provides all services from design to installation on site.

Glass in Architecture — Ground breaking glass design technologies which transforms conventional architectural glass into spectacular modular systems for architecture.

Collections — Uncompromised Lasvit design originals, designed by some of the world's most talented product designers.

Glassware — Art pieces created by leading Czech and international glass designers.

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