

CIELUMA

A CANOPY OF LIGHT



Zumtobel Group Light Forum, Dornbirn | AT

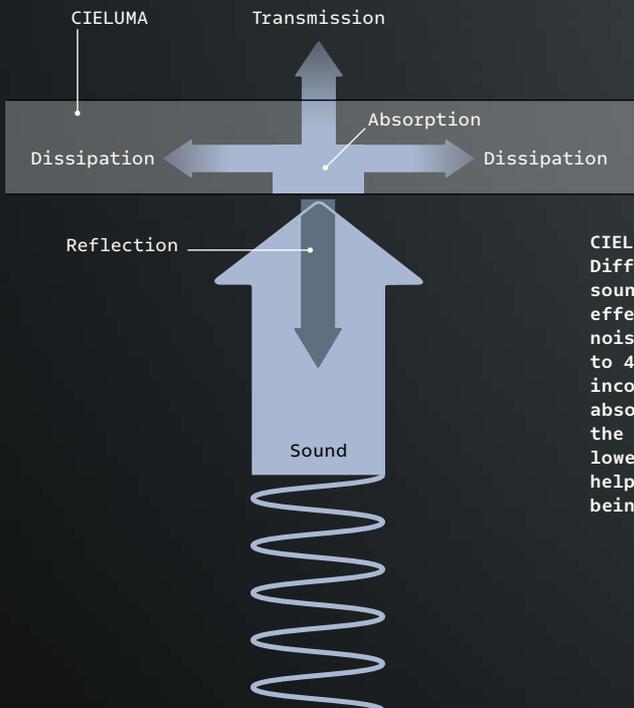
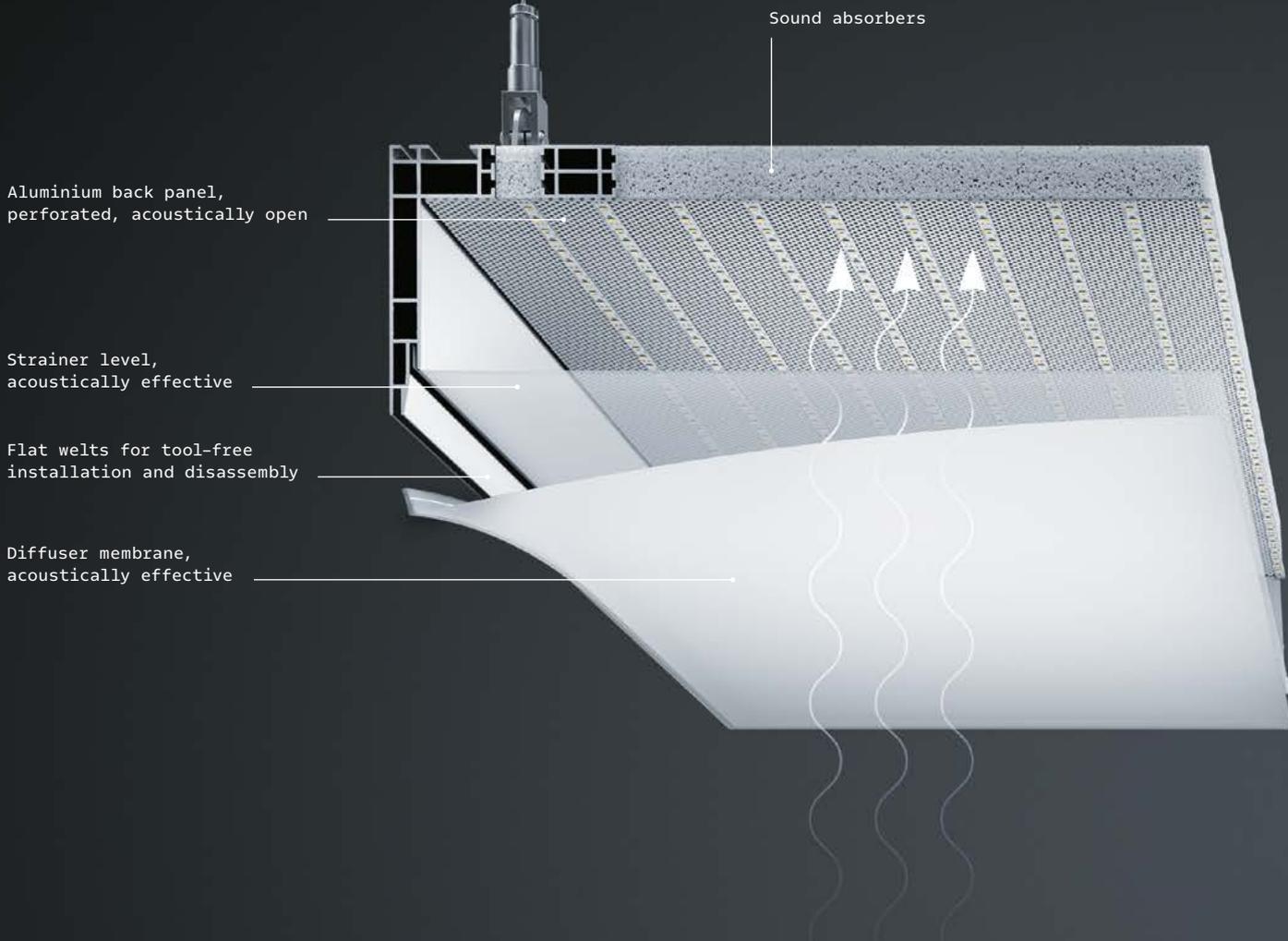


LARGE-SCALE. VARIED. MULTI-DIMENSIONAL.

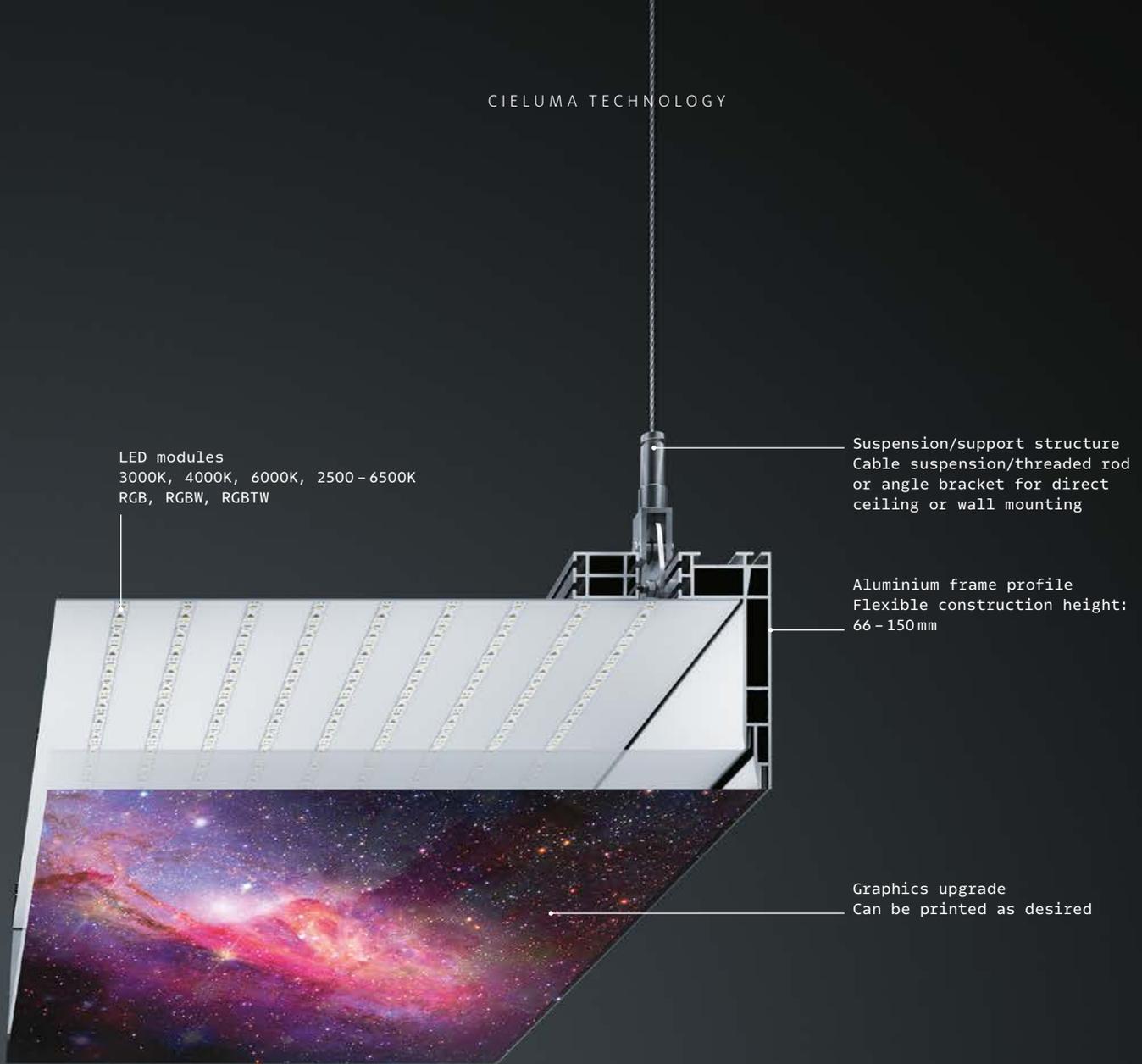
Like a canopy of light above our heads. In unrivalled dimensions: spanning entire areas, the CIELUMA light ceiling imitates outdoor daylight. In line with the Double Dynamic Lighting concept, it brings dynamic, motivating light indoors.

With its sound-absorbing properties and host of design options, CIELUMA brings to life a new quality in the connection between light, acoustics and space.

CIELUMA DESIGN AND OPTIONS



CIELUMA acoustic Diffuser membrane, dirt-trap layer and sound absorbers: three acoustically effective components reduce disruptive noise. In the frequency range of 125 to 4000 Hz relevant to room acoustics, incoming sound waves are effectively absorbed and attenuated. The echo in the room is thus reduced, leading to lower noise levels. As a result, CIELUMA helps improve people's sense of well-being and their ability to concentrate.



LED modules
3000K, 4000K, 6000K, 2500 – 6500K
RGB, RGBW, RGBTW

Suspension/support structure
Cable suspension/threaded rod
or angle bracket for direct
ceiling or wall mounting

Aluminium frame profile
Flexible construction height:
66 – 150mm

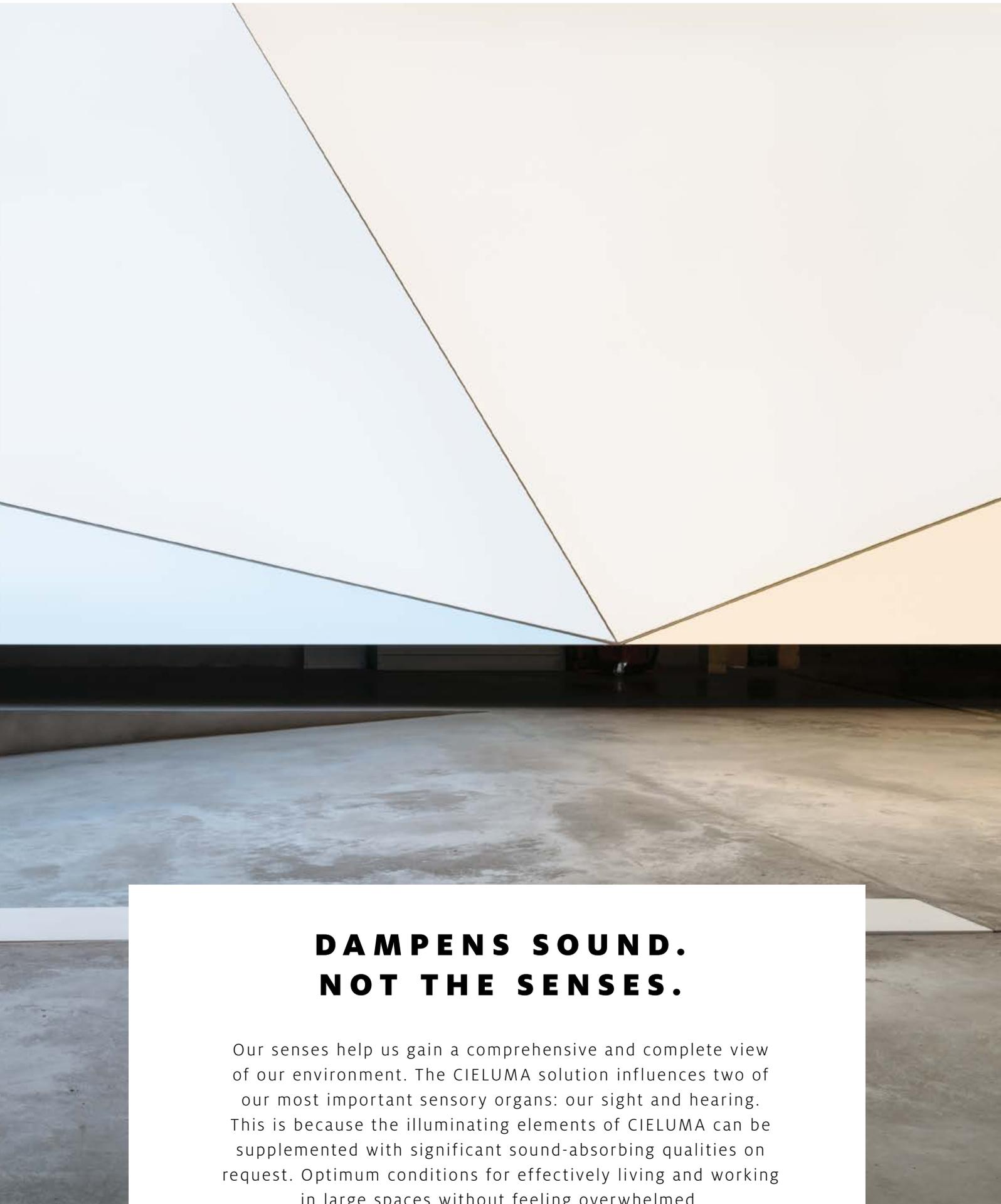
Graphics upgrade
Can be printed as desired

Light tailored to meet your needs.

You employ your creativity and shape the design of the space. We provide the illuminated ceiling or wall that fulfils your requirements.

When it comes to CIELUMA, there is no pre-defined standard design. Rather, each product is unique and is made to your specific dimensions. The textile block modules can be made to impressive dimensions – up to 75 metres long and 4.9 metres wide. Whether the modules are mounted on the ceiling or cover a wall, they diffuse uniform light. And can be implemented in virtually any form. To the exact millimetre, of course.





**DAMPENS SOUND.
NOT THE SENSES.**

Our senses help us gain a comprehensive and complete view of our environment. The CIELUMA solution influences two of our most important sensory organs: our sight and hearing. This is because the illuminating elements of CIELUMA can be supplemented with significant sound-absorbing qualities on request. Optimum conditions for effectively living and working in large spaces without feeling overwhelmed.



SIMPLE. SOPHISTICATED. FROM CONSTRUCTION TO MAINTENANCE.

The highly flexible nature of the CIELUMA design is evident in how easy it is to mount and maintain. The lighting block does not have to be laboriously mounted as a whole – or connected to the power supply by means of an intricate and complicated procedure.

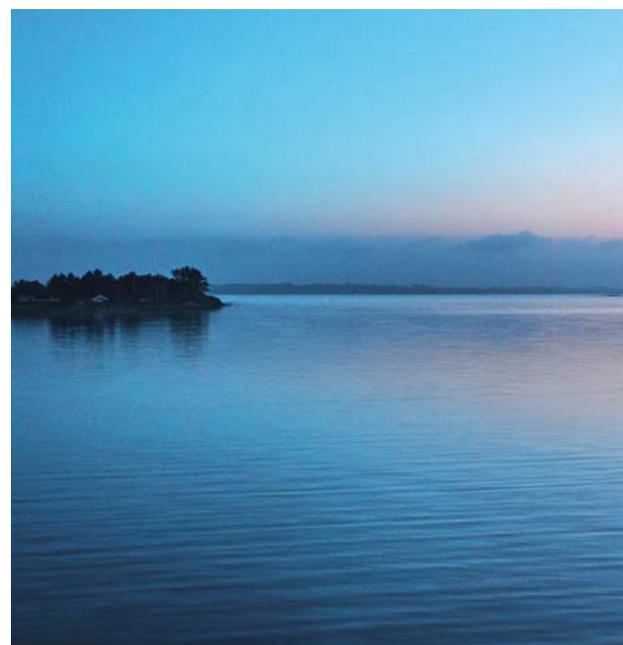
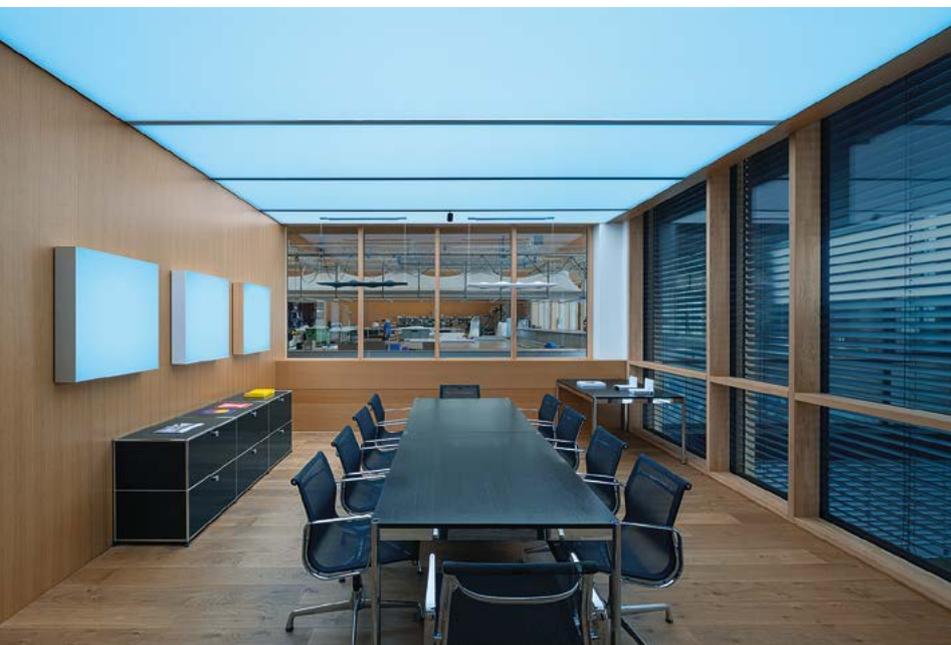
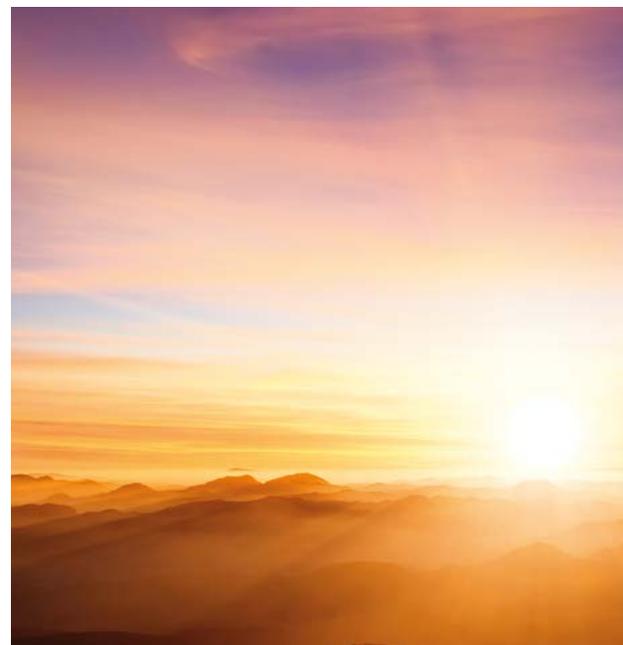
Instead, it is put together as individual segments directly on the ceiling or wall as part of a lean mounting process based on a modular principle. Once installed, the block can be maintained easily and directly at any time.

The modular principle

From an individual segment to a functioning system: the CIELUMA lighting block is pre-produced in practical units ex works. The modular system is easy to mount – even while construction work is ongoing. The building services employed do not need to specifically keep an installation window free for CIELUMA, but can continue to work at the same time. An approach that saves significant amounts of time and therefore costs.

Maintenance in a few easy steps

CIELUMA utilizes reusable welts that can be modified from the respective room without any special tools. A lug allows each element of the CIELUMA system to be removed easily from the outside – and then reinstalled as often as you wish. It is thus easy to perform any maintenance work. This offers a huge advantage compared to other lighting block systems, whereby the fabric panels have to be cut and then intricately replaced. And makes the product life cycle of the CIELUMA solution particularly sustainable and well-thought-out.





THE BEST LIGHTING. FROM OUTSIDE TO INSIDE.

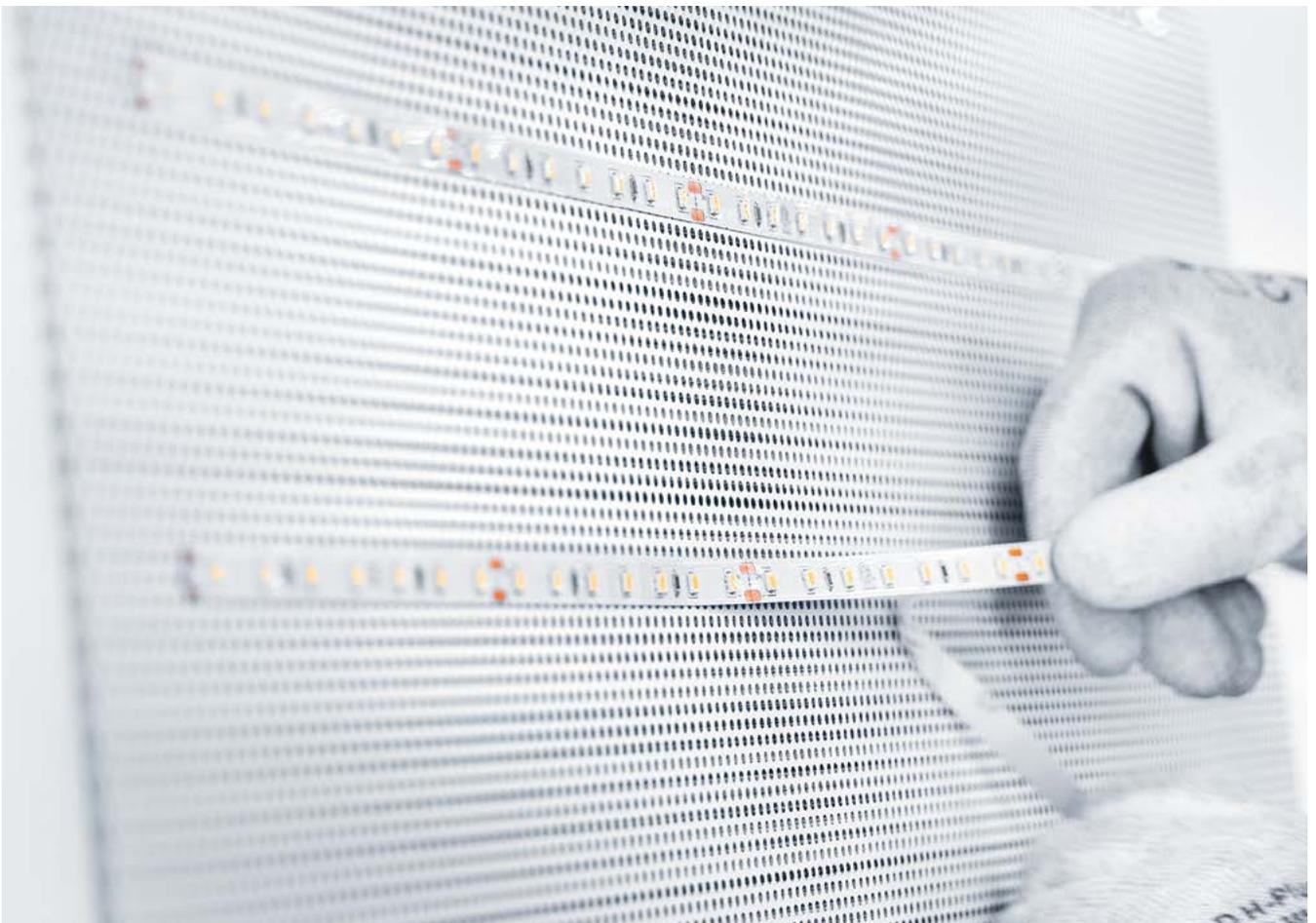


Dynamic. Motivating. Harmonising: with CIELUMA, Zumtobel realises the full potential of the Double Dynamic Lighting (DDL) approach. Inspired by the dynamics of a natural canopy of light, CIELUMA brings the changing nature of daylight inside. This has a positive impact on the human body: users and residents are more focussed, more motivated and enjoy a better workflow and greater sense of well-being.



Practical example: Double Dynamic Lighting

DDL is a lighting concept that optimally combines natural and artificial as well as direct and indirect light in a room, creating highly dynamic interior lighting inspired by the outdoors. While a diffused surface light ensures ambient brightness, accent lighting facilitates the various tasks in the room in a targeted way. Added to this is natural daylight, which changes depending on the clouds in the sky. DDL aims to create a motivating, energising environment in which children and young persons can learn successfully (schools), employees and office staff work in a particularly focussed and effective manner (offices) and elderly as well as ill persons feel relaxed and at ease (hospitals, care homes).



RECYCLABLE AND REGIONAL.

Made in Austria. With single-origin, fully recyclable materials. When producing CIELUMA, we make sure that no mixed materials are used.

We do this because components made from a single material are easier to feed back into the closed-loop economy. The goal of this is to reuse resources as part of a circular process. The aluminium used for the frame profiles and back panels, for example, can be successfully recycled using very little energy. On top of this, all components are produced regionally in Austria. Lots of individual measures that build on one another and play a role in the future of ecological lighting.



"CIELUMA directly engages the senses: I love the fact that a perfectly homogeneous luminous ceiling transforms a room into something else. The user feels like they are standing outside under the sky. It's magical."

Dr. Thomas König
CEO, Typico GmbH



CIELUMA



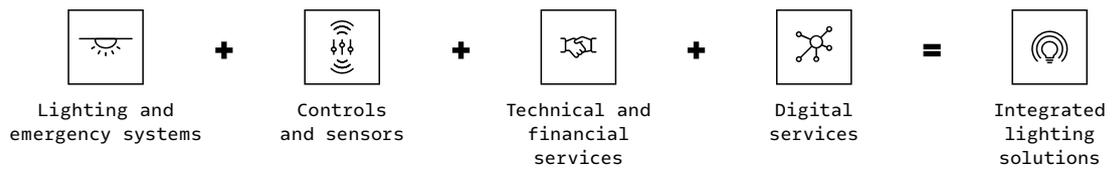
CIELUMA

CIELUMA acoustic

Mounting type	surface mounted, wall mounted, suspended	surface mounted, wall mounted, suspended
Shape	square, round, customer-specific	square, round, customer-specific
Size / Diameter	taylor-made, up to 75x4.9m or 4.9m diameter	taylor-made, up to 75x4.9m or 4.9m diameter
Optic	textile, acoustic textile	acoustic textile
Luminaire luminous flux	1500 - 13 500 lm/m ²	-
Colour temperature	3000 K, 4000 K, 6000 K, 2500 - 6500 K, RGB, RGBW, RGBTW	-
Colour rendering	CRI > 90, CRI > 98 (3000 K, 4000 K)	-
Light distribution	lambertian	-
Controls	switchable, DALI, Wireless (basicDIM)	-
Level of sound absorption α_w according to ISO 11654	up to 0.85	0.85
Available accessory	suspension wires, thread rods, wall and ceiling brackets	suspension wires, thread rods, wall and ceiling brackets



T H E L I G H T



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