

# SOFT LIGHT

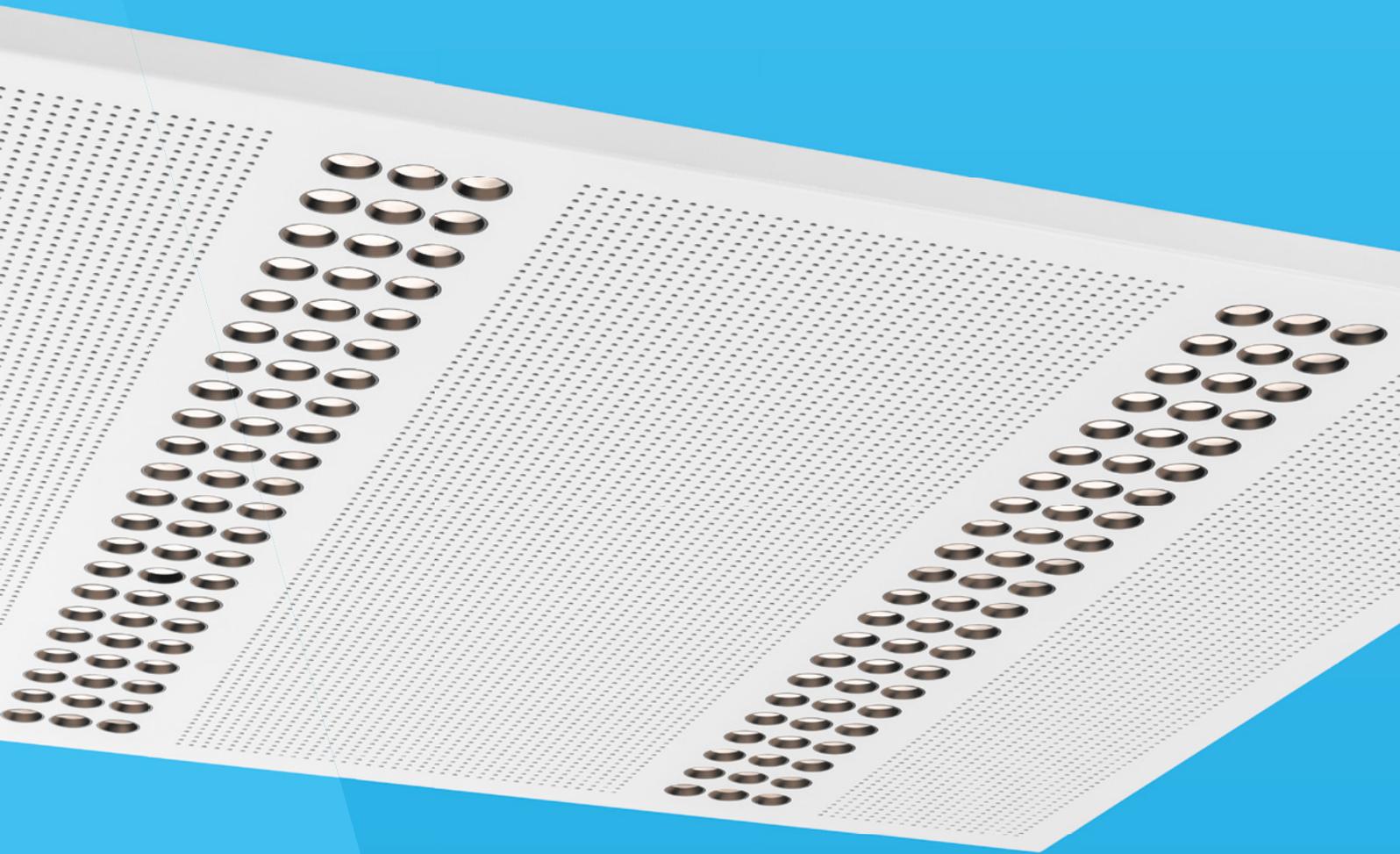
OPTICO ACOUSTIC LUMINAIRE



# VERSATILE EFFECTIVE

EMITS LIGHT.  
ABSORBS SOUND.





With Optico, LTS presents an energy-efficient, acoustically effective ceiling luminaire that can reliably absorb sound and simultaneously guarantee glare-free illumination.

# LUMINAIRE WITH EXTRAS

INTELLIGENT LIGHT FOR A BETTER  
WORKING ENVIRONMENT.

**Individual lighting effects**  
thanks to optional daylight controls

**Acoustically effective**  
with the use of acoustic fleece

**Optimum glare control**  
using innovative tube technology

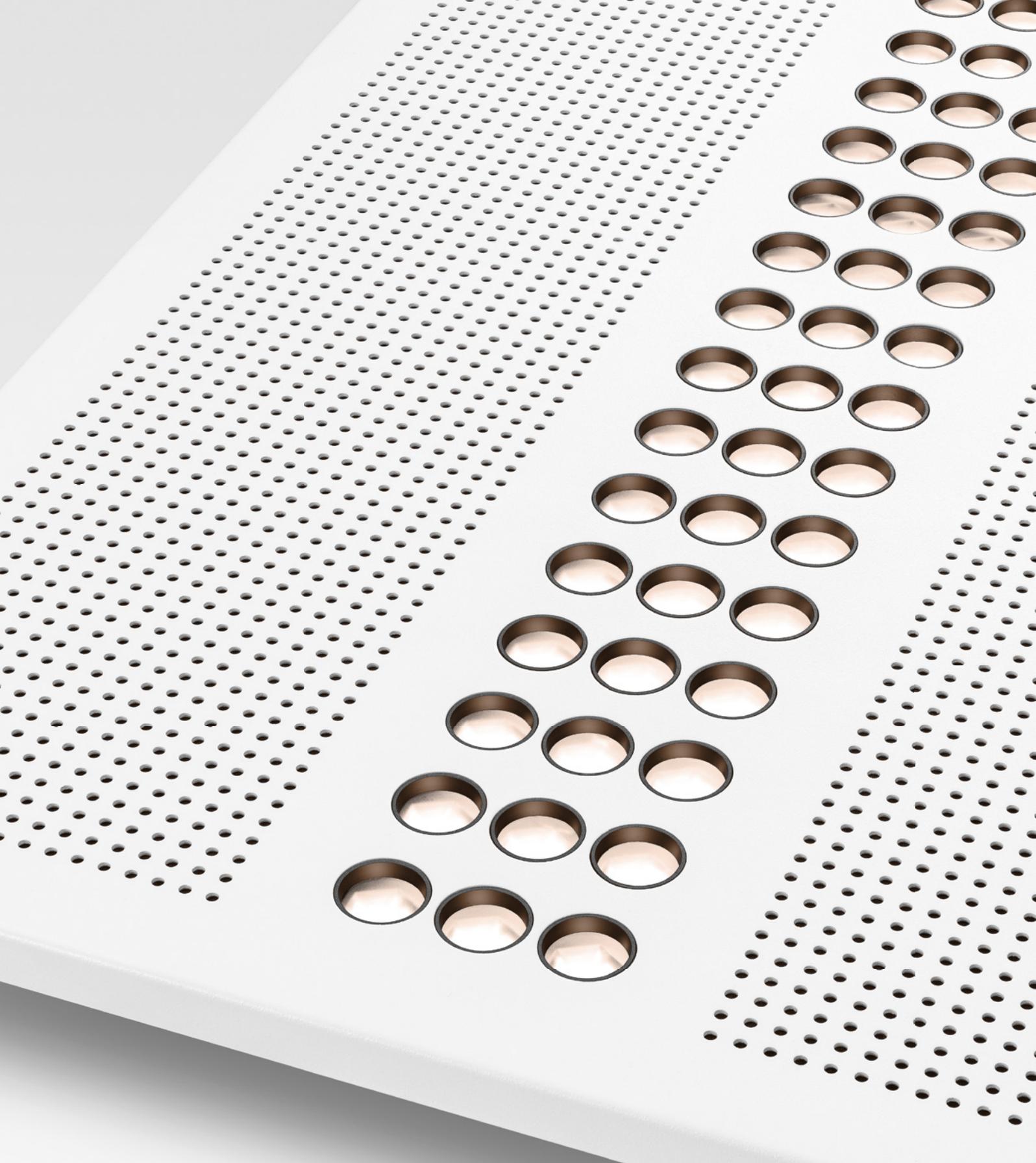
**Outstanding efficiency**  
with energy savings and increased staff  
productivity thanks to Tunable White  
technology

**Broad illumination**  
optimum and homogeneous illumination  
with only a few luminaires

**Puristic design**  
aesthetic yet unobtrusive look

**Easy installation**  
thanks to its standardised size  
for flexible interior design.





GERMAN DESIGN AWARD

The sound-absorbing ceiling luminaire, Optico, was crowned the winner at the German Design Awards 2019



# WORK BETTER





# EFFICIENCY AND WELLBEING

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Optico supports a healthy space and working environment. Intelligent control of the ideal colour temperature provides light that is adapted to the circadian cycles and biorhythms of people and thereby promotes performance and productivity.

## STANDARD COLOUR TEMPERATURES

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The Optico innovation is available in colour temperatures between 3000 K and 4000 K.



## TUNABLE WHITE LIGHT

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Alternatively, the model with Tunable White technology enables the colour temperature to be individually controlled in the white light range and opens up options for creative lighting solutions.



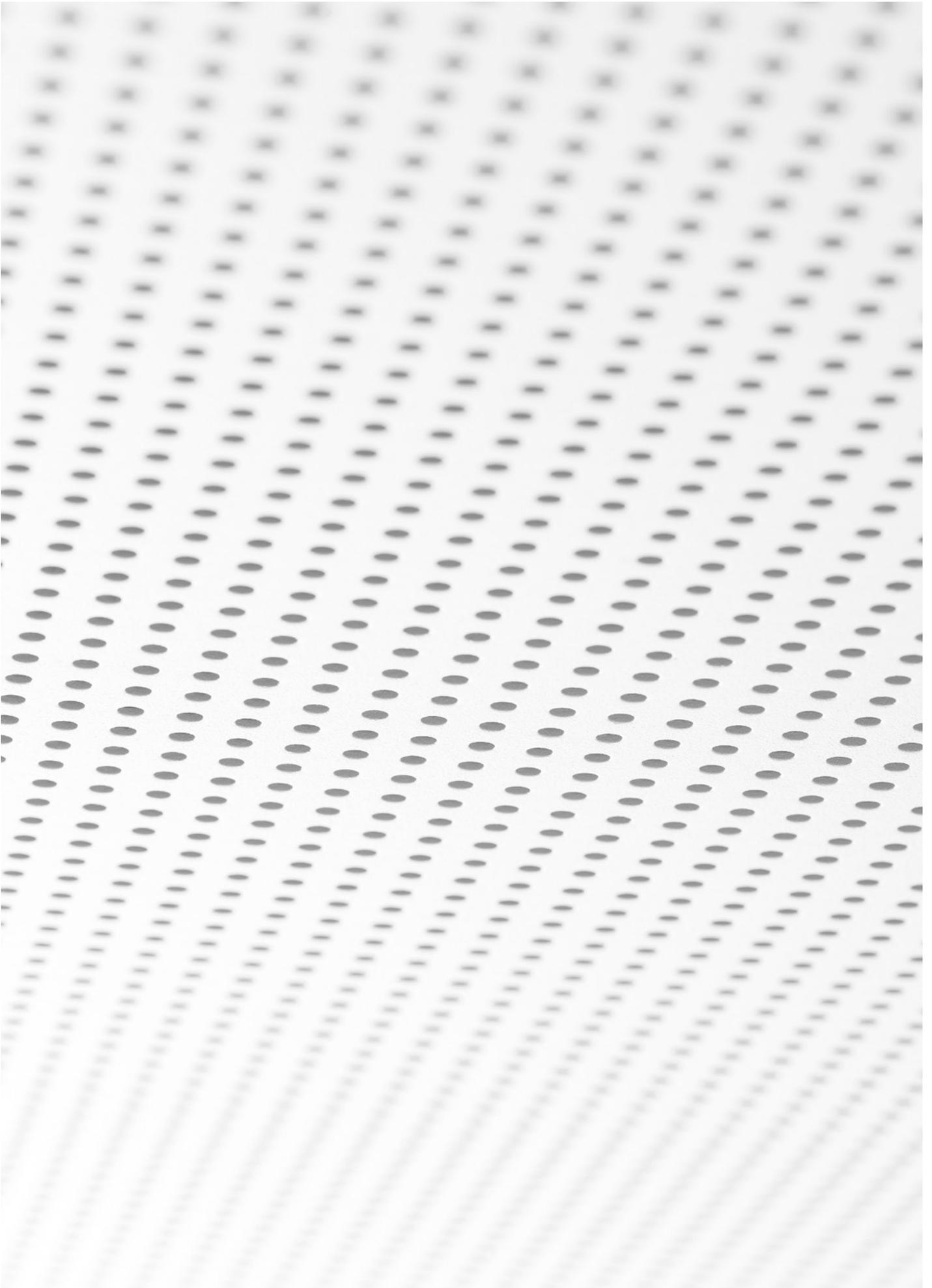
## PERFORMANCE DATA\*

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**SYSTEM EFFICIENCY**  
108.57 lm/W  
**ENERGY EFFICIENCY CLASS**  
A++

\* Data relating to OPT-R 104.0600.840/DALI.

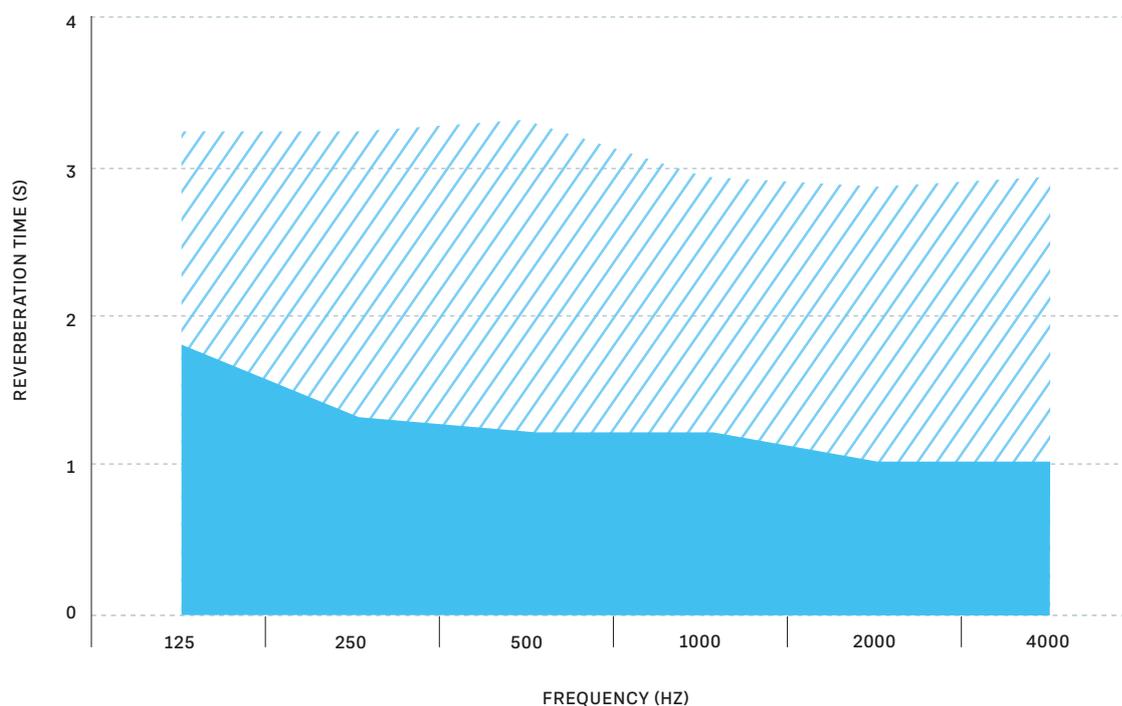




# ABSORBS SOUND

The Optico ceiling luminaire takes on the challenge of minimising disturbing sources of sound in busy spaces. This involves elements in a high-quality aluminium housing which effectively absorb the sound in the space. Independent laboratory results indicate a sound absorption level of up to 0.50. As a result, Optico is instrumental in significantly improving the acoustics of the space and complying with guidelines with a standard ceiling height. The use of a high-quality acoustic ceiling is therefore not negatively affected by necessary illumination. In key frequencies of the human vocal range it can even lead to an appreciable improvement.

REVERBERATION TIMES IN COMPARISON\*



**\* Space dimensions:**

Area of space: 7.5 x 7.5 x 3m (= 56.25m<sup>2</sup>),

Volume of space: 168.75m<sup>3</sup>

**Materials:**

Flooring: glued parquet, Walls: lime-cement plaster,

Windows: glass, Ceiling: lime-cement plaster

Acoustic ceiling: absorption class C ( $\alpha_w = 0.7$ )

/// WITHOUT ACOUSTIC CEILING

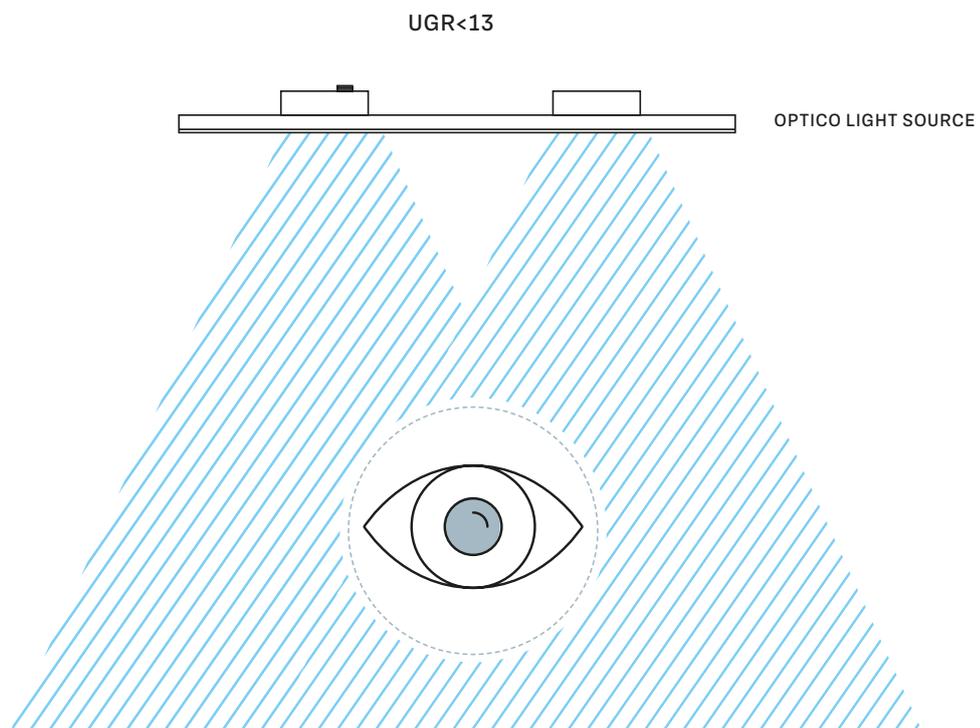
■ ACOUSTIC CEILING WITH OPTICO LUMINAIRE



# GLARE- FREE

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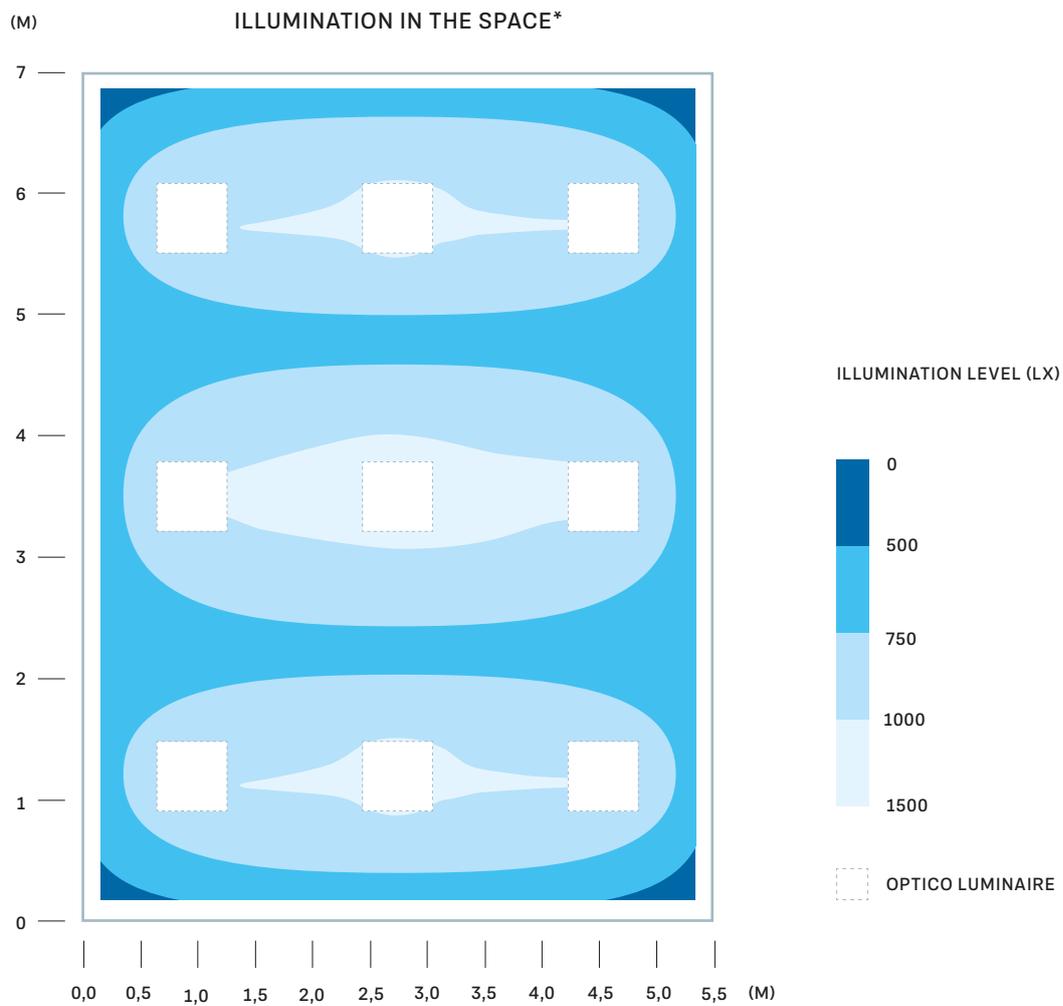
The innovative tube technology sets the light source back a short way into the luminaire housing so that it is not directly visible. This guarantees a glare-free illumination of workspaces (UGR<13). As a result the Optico acoustic luminaire complies with standard DIN EN 12464-1.



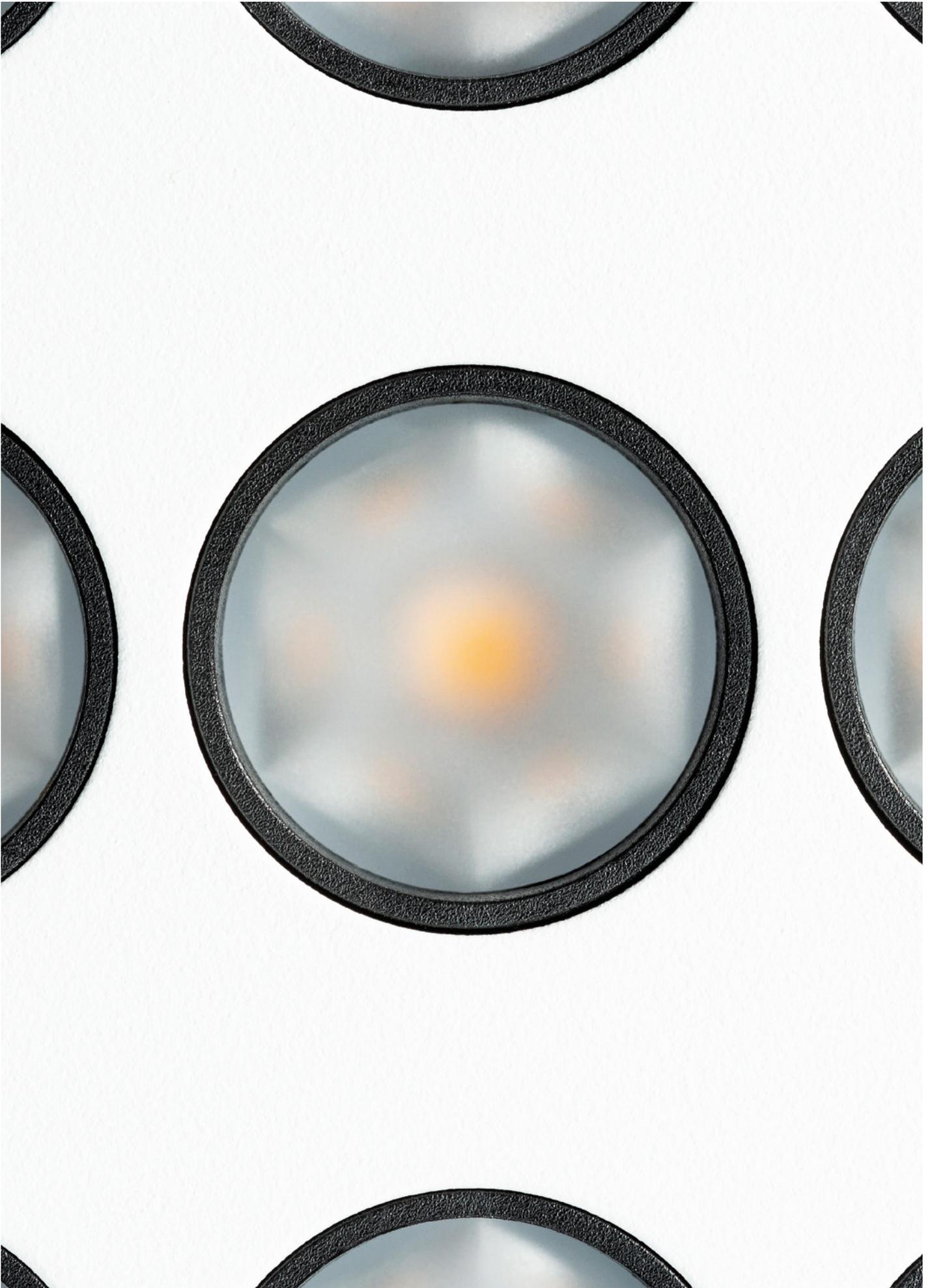
\* The UGR value relates to OPT-R 104.0600.840/DALI with an output of 62 W, a colour temperature of 4000 K and 6550 lm.

# HOMOGENEOUS ILLUMINATION

The modern lens optics achieves precise beam characteristics with a standard beam angle of 60°. This allows for a light cone of almost three metres in diameter with a standard ceiling height. In this way, only a few luminaires are required to provide optimum and homogeneous illumination.



\* Width of space: 5.5 m, Length of space: 7m. Reflection factors: 70% / 50% / 20%, Maintenance factor: 0.8, Table height: 0.75m, Average illumination level (Em): >500 lx, Uniformity (U0): >0.6







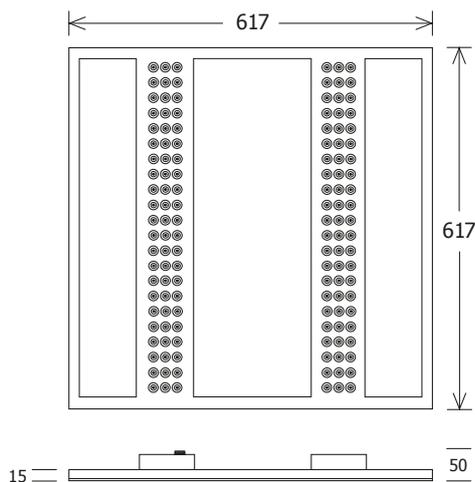
Optico is ideal for illuminating large workspaces and creates an improved working environment thanks to its acoustic effectiveness.



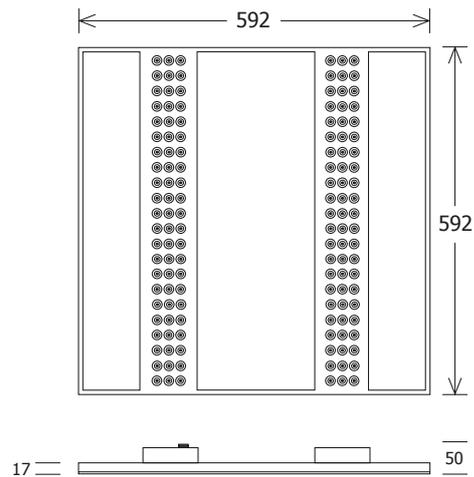
# QUICK AND EASY

An aesthetic, puristic insert luminaire with a modern, unique appearance, which can be easily integrated into grid ceilings with standard dimensions using a simple installation method. For this reason, Optico is suitable for both existing structures and new buildings.

OPTICO 625



OPTICO 600



## LTS INDIVIDUAL

Optico is also available in different sizes (e.g. 1200 x 300 mm) upon request. We would be delighted to discuss your requirements with you in person and help you to find individual solutions.



## OPTICO ONLINE



You will find all standard variants on our website at [www.lts-light.com/optico](http://www.lts-light.com/optico)

