



**ZUMTOBEL**



## **AERO II**

**Wave guide and  
LED luminaire**

The high-quality classic in  
aesthetics and design.

[linked](#)

All order numbers in the PDF are linked  
to the Zumtobel online catalogue.

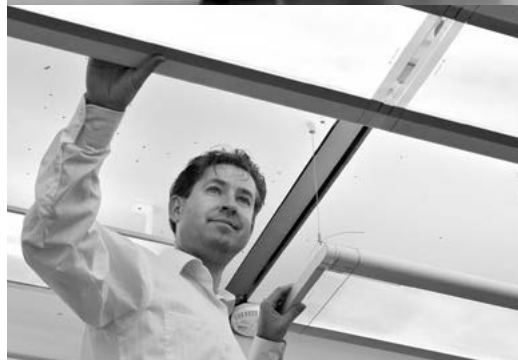
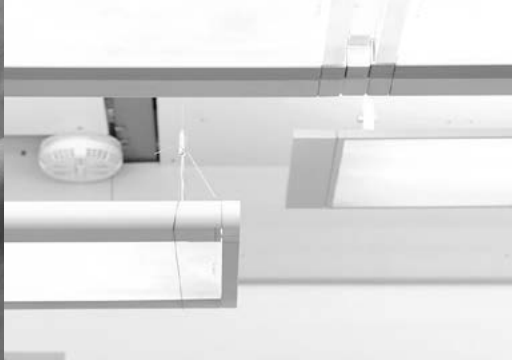
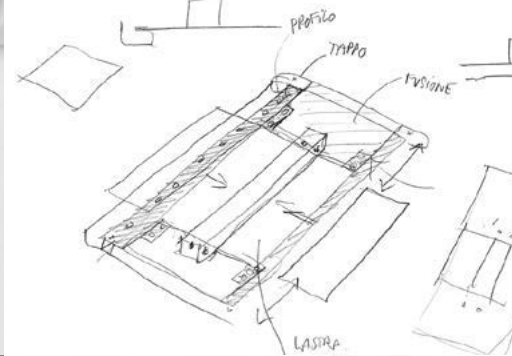
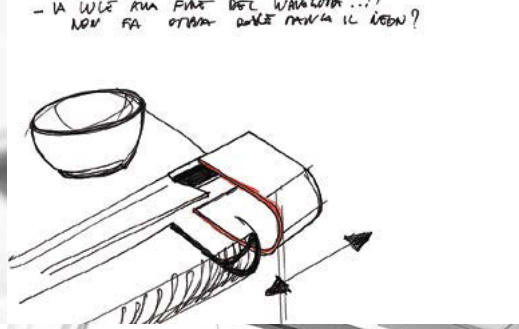
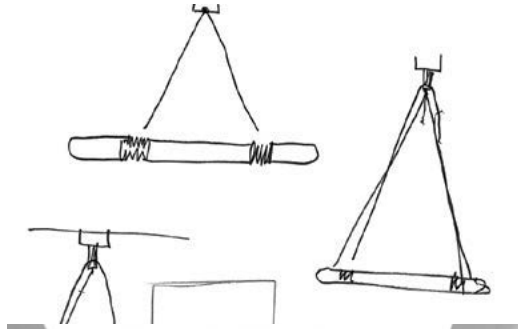


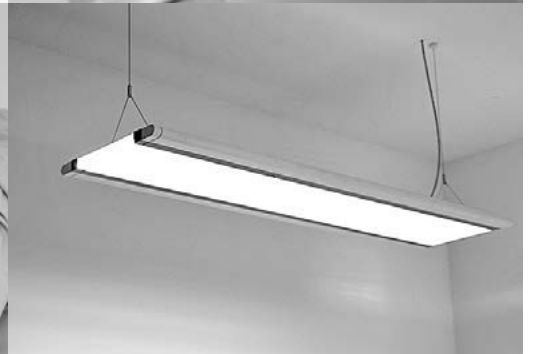
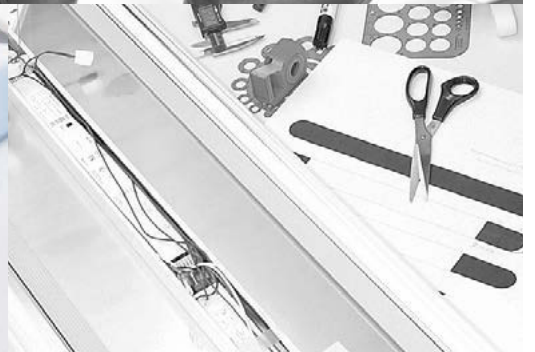
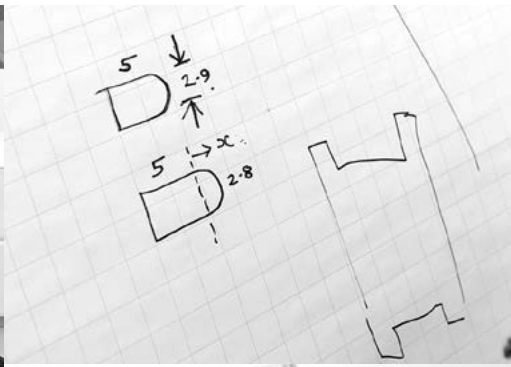
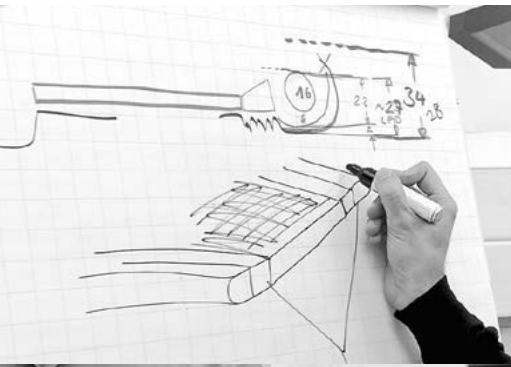
The brilliant light provided by AERO II LED luminaires with separately controlled direct and indirect light components creates an energised lighting atmosphere for demanding activities. Thanks to innovative waveguide technology, lighting solutions can be developed that provide maximum visual comfort, allow flexible arrangement of workstations and are extremely energy-efficient.



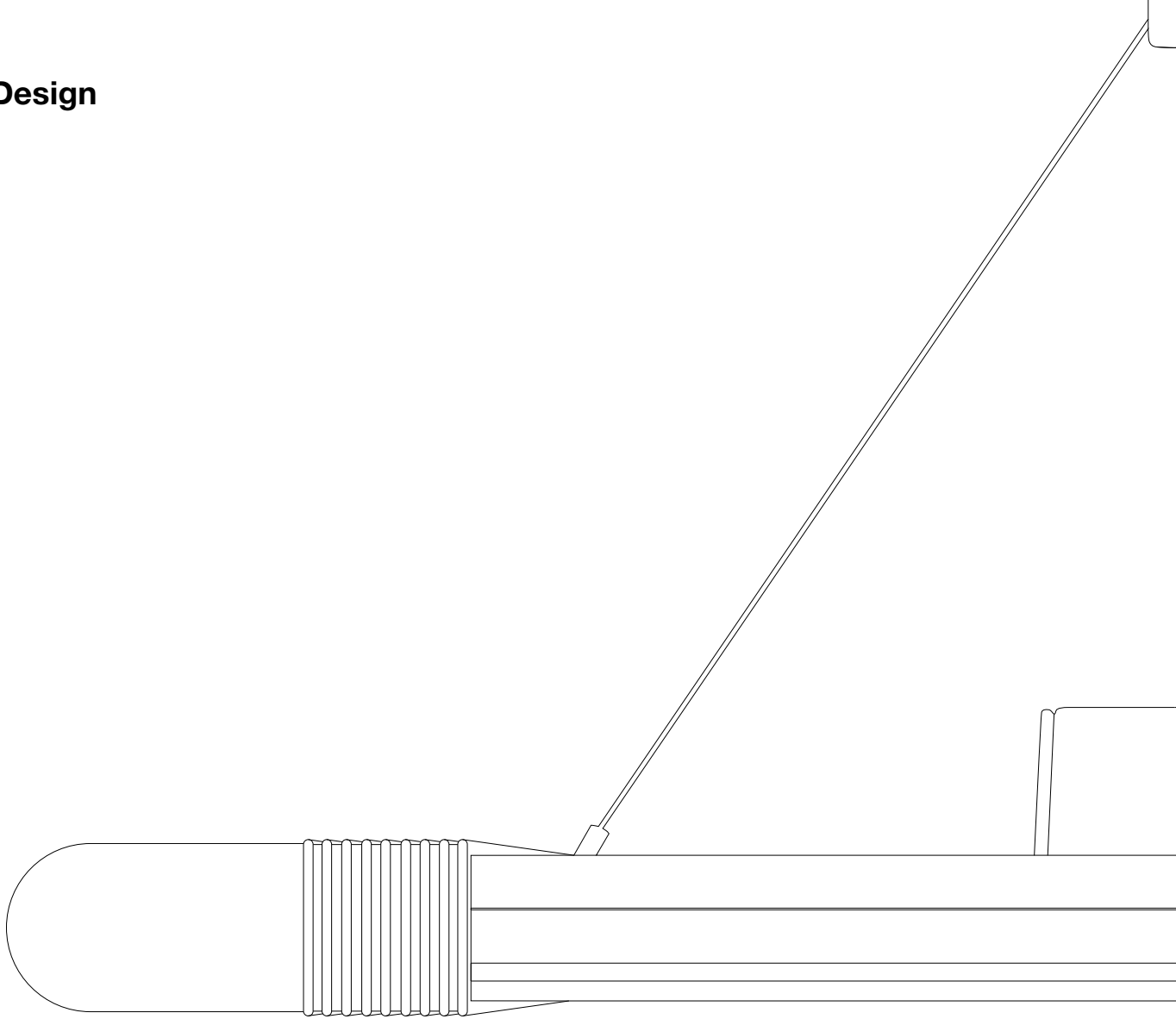
# CHRIS REDFERN DESIGN IS PRECISION CRAFTSMANSHIP

- LA WIE RMA FINE DEL WAREHOUSE...?  
NON FA OTTIMA DALLE MANI IL UOMO?

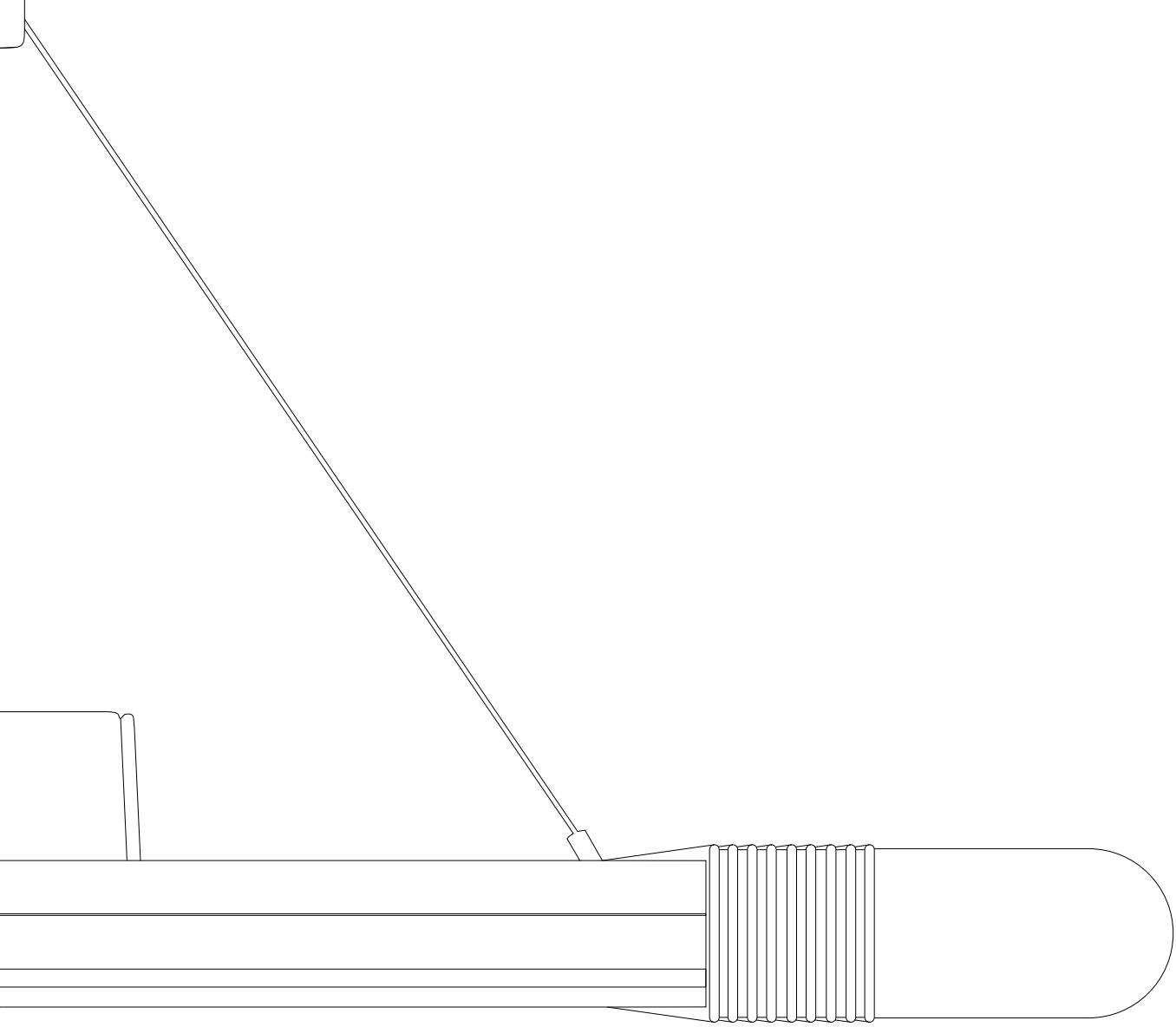




## AERO Design



“As to the design of AERO II, a main concern was its adaptability. Although the original concept and the lightweight appearance known from the first AERO generation have been maintained, the design is now open for a variety of light sources. Thanks to a new lighting system – a 100% LED solution – inside AERO II, the luminaire has reached the next level of its existence.”



## A design masterstroke

Its design and materials make the luminaire appear to float



Original size

The AERO II wrote a new chapter in the history of lighting technology. In terms of design and lighting technology, the new AERO II is based on the classic AERO luminaire by Ettore Sottsass. Its high-quality waveguide technology with micro-pyramidal optic set new standards in lighting quality.

The 100% LED version goes even further by exploiting the LED's potential not only for direct lighting, but also for indirect lighting. By integrating LEDs in a consistent design concept, efficiency and quality have now been combined at the highest level.





MPO/waveguide

LED heat sink

T16/LED  
for indirect light

## Future-proof office lighting

Flexible arrangement of workstations independent of the luminaires





High-quality lighting distinguishes offices. If the workstations are flexible and electronic media are used, the requirements placed on the luminaires are even higher. Innovative systems such as AERO II – installed either as individual luminaires or in continuous rows – offer a well-balanced solution especially suited for screen-based work. Thanks to the combination of waveguide technology and micro-pyramidal optic, desk positions no longer depend on the luminaires installed. Not only does the luminaire have a lightweight appearance, it is also easy to use.



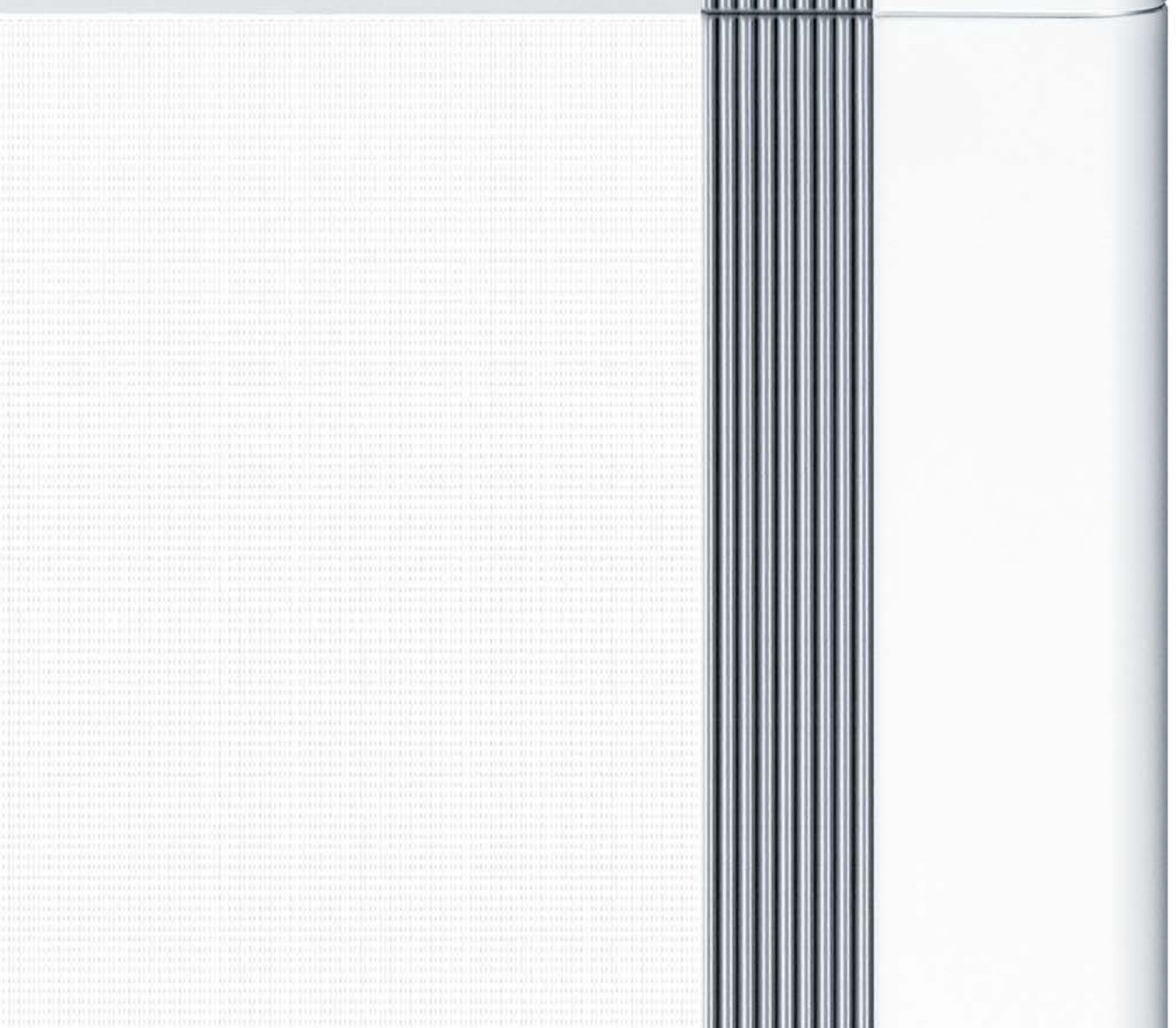
# The beauty of technology

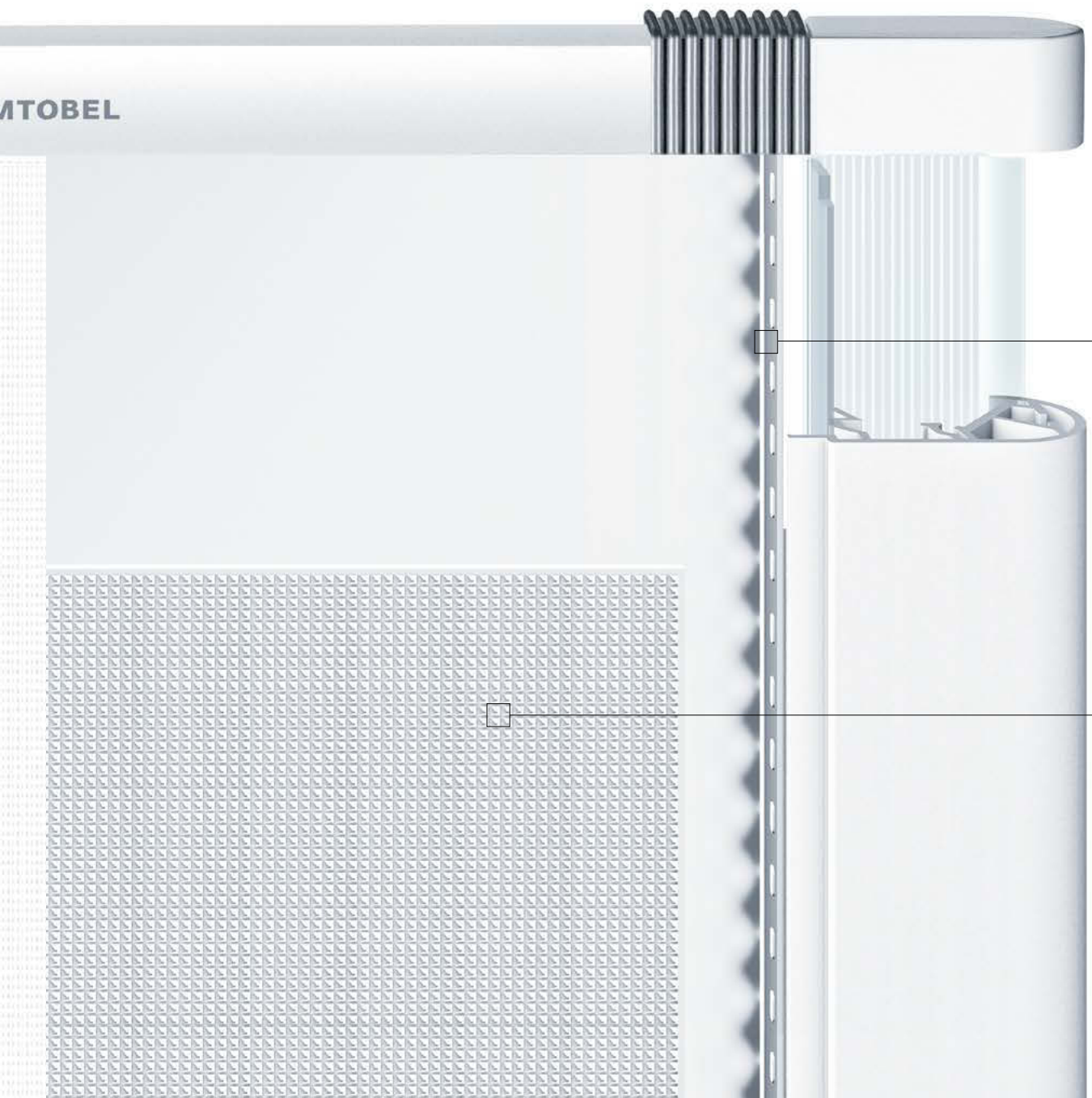
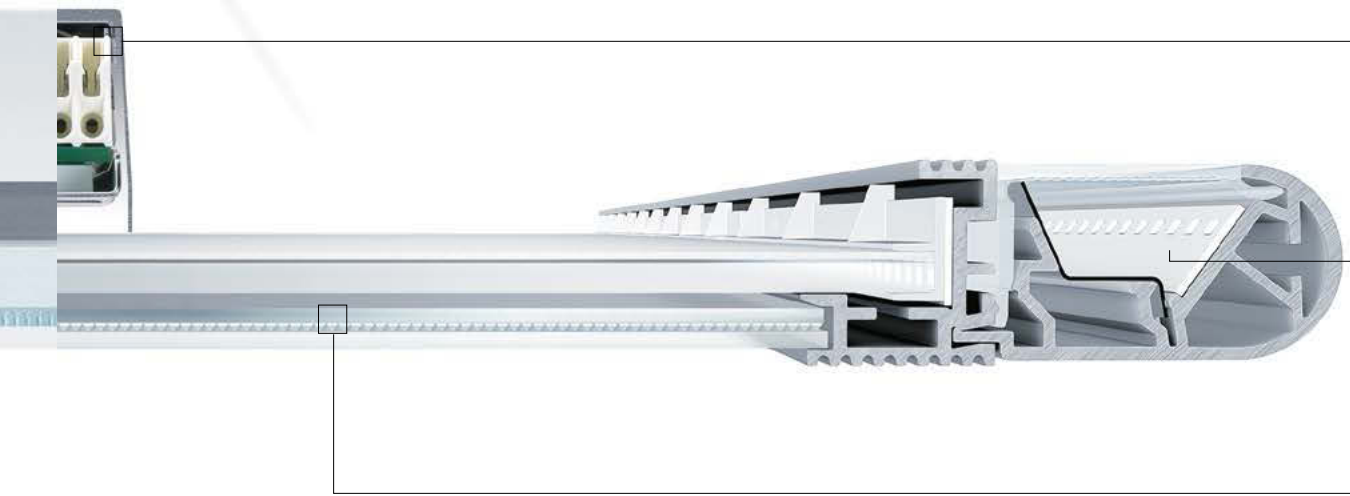
Brilliant light from LED and T16





MTOBEL





---

**Operation and control**

The direct and indirect light components of the AERO II LED and Hybrid luminaire are provided with a separate control gear and can thus be controlled independently of each other. Combined with an intelligent lighting management system, the DALI-dimmable electronic ballasts can produce any combination of direct and indirect lighting.

---

**LED**

For AERO II LED, highly efficient LEDs are used for direct and indirect lighting. Light source, reflector and optics are arranged in such a way that the light emitted from the luminaire is not only as efficient but also as uniform as possible. Depending on the length of the luminaire, the installed load is between 96 W and 120 W.

---

**Waveguide technology**

Waveguide luminaires have been designed especially for use in modern offices, where flexible workstations comprising a wealth of electronic media place high requirements on the lighting system. Innovative systems such as AERO II provide the perfect solution by adding light from hidden sources. Thus, both upright and steeply inclined displays remain free from annoying reflections – no matter where the luminaire is positioned.

---

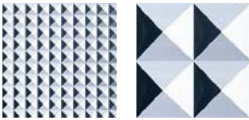
**White-light LEDs**

An LED line fitted with LEDs at regular intervals forms the basis of the brilliant light of AERO II LED. The LEDs' colour temperature can be either 3000 K (warm white) or 4000 K (intermediate white). Its high energy efficiency and long service life of 50,000 hours are proof of AERO II LED's economic sustainability.

---

**Micro-pyramidal optic (MPO+)**

Precision-ground sharp-edged microprisms produce brilliant light. In combination with waveguide technology, MPO+ forms a seamless optical system, which both ensures glare control appropriate to the relevant application at flat angles and reduces luminance at steep angles, thus reducing glare on steeply inclined displays. Another benefit of high-precision direction of light is the optical system's high efficiency.



1:1

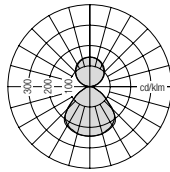
5:1

# AERO II

## Performance comparison for efficient luminaire replacement

### AERO II LED

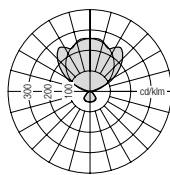
The focus of the AERO II LED luminaire is on the direct light component. More than half of the available light quantity is directed downwards onto the task area, with perfect glare control, thus ensuring high lighting efficiency. Thanks to the separate control of direct and indirect light, a variety of lighting scenes can be created in a room. The light is adjusted to the working and ambient situation as required. The low installed load and low number of luminaires required offer manifold design options for additional accent and ambient lighting.



**AERO II LED**  
Indirect/direct light in the ratio 60:40  
can be controlled separately

### AERO II T16\*

The AERO II T16 luminaire gives offices or conference rooms a bright and pleasant atmosphere that can be varied using dimmable lighting scenes. As 86% of its light is distributed in the room indirectly, via the ceiling, the key benefit of the T16 version is the highly uniform and thus pleasant general lighting it produces.



**AERO II T16** 2/49 Watt  
Indirect/direct light in the ratio 86:14  
can be controlled separately

\* No longer available



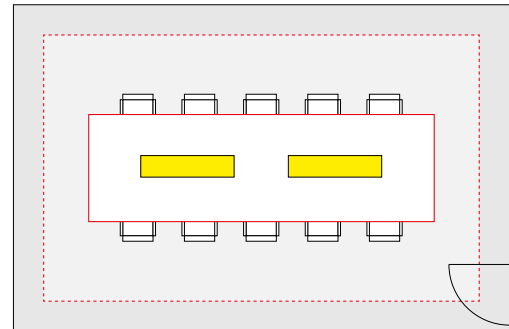
### Typical application **conference room**

Number of luminaires	2
Light sources	74 W LED
Illuminance level of task area	510 lx
Illuminance level of ambient area	180 lx
Specific installed load	3.34 W/m <sup>2</sup>
Uniformity	0.66

Reference: Floor space 44 m<sup>2</sup>, room height 2.8 m



Illumination of conference room in conformity with relevant standards using **2 AERO II LED luminaires**



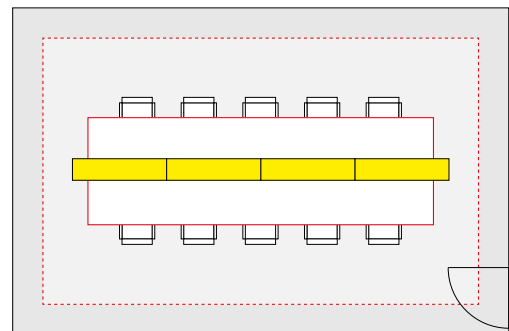
**2 x AERO II LED – 510 lx\***

Number of luminaires	4
Light sources	2/49 W T16
Illuminance level of task area	451 lx
Illuminance level of ambient area	277 lx
Specific installed load	9.85 W/m <sup>2</sup>
Uniformity	0.84

Reference: Floor space 44 m<sup>2</sup>, room height 2.8 m



Illumination of conference room in conformity with relevant standards using **4 AERO II T16 luminaires**



**4 x AERO II T16 – 451 lx\***

— Task area  
- - - Ambient area

\* illumination of task area

## AERO II LED

|...| Shared properties AERO II

- Direct/indirect LED waveguide luminaire with energy-efficient optic base don MPO+ micro-pyramidal system
- Especially good URG < 16 glare control and reduced luminance enable the direct positioning above DSE workstations and therefore maximum flexibility for luminaire arrangements
- High luminaire efficiency of up to 60 lm/W
- Colour rendering Ra > 80 for office applications
- Ultra-slim housing in dual-colour white/silver design
- Direct and indirect components can be controlled separately
- Different colour temperatures optionally available for direct and indirect light
- LED service life of 50000 hours at 75 % luminous flux
- Design by Chris Redfern/ Sottsass Associati
- Please refer to product shortcode in the ONLINE catalogue for the latest power consumption figures based on recent efficiency improvements
- Luminaire pre-wired using halogen-free leads
- Internal wiring is halogen-free. The transparent supply cable is not halogen-free however, and is not currently available in a halogen-free version. As an alternative, however, a halogen-free conventional power lead can be supplied on request

### AERO II LED individual luminaire, white

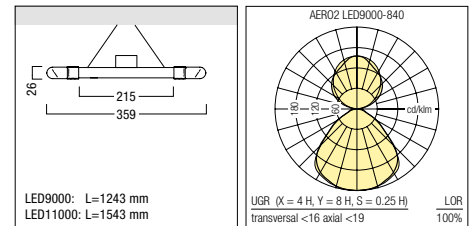


- |...|

	L	kg	Order no.
Dimmable individual luminaire with cord suspension			<i>dimnable Dali only</i>
LED11000-830	1543	12,5	42 182 417
LED11000-840	1543	12,5	42 182 414
LED9000-830	1243	10,0	42 182 411
LED9000-840	1243	10,0	42 182 223

Accessory  
PMMA OPTICS Cleaning kit 22 166 921

Luminaire supplied with 1000 mm suspension cord and transparent supply lead



### AERO II LED continuous-row luminaire, white

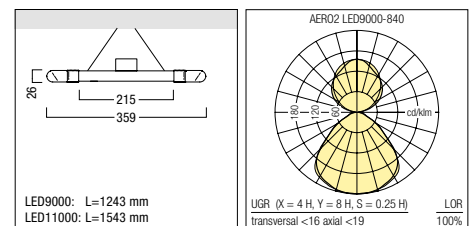


- |...|

	L	kg	Order no.
Dimmable continuous row luminaire			<i>dimnable Dali only</i>
LED11000-830	1543	12,5	42 182 422
LED11000-840	1543	12,5	42 182 424
LED9000-830	1243	10,0	42 182 418
LED9000-840	1243	10,0	42 182 420

Accessory  
ASQ1 LB SET Cord suspension 22 162 265  
ASQ2 LB SET Cord suspension 22 162 374  
LB ASQ1 Continuous row connector, cord kit 22 162 264  
LB ASQ2 Continuous row connector, cord kit 22 162 373  
PMMA OPTICS Cleaning kit 22 166 921

Please order continuous-row connectors, cord suspensions and supply cable separately.



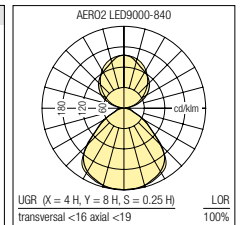
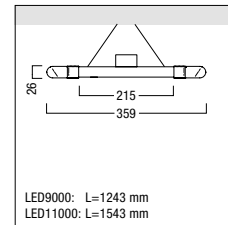
AERO II LED individual luminaire, silver



• [...] |

	L	kg	Order no.
Dimmable individual luminaire with cord suspension			<i>dimnable Dali only</i>
LED11000-830	1543	12,5	42 182 416
LED11000-840	1543	12,5	42 182 408
LED9000-830	1243	10,0	42 182 412
LED9000-840	1243	10,0	42 182 415

Accessory  
 PMMA OPTICS Cleaning kit 22 166 921



AERO II LED continuous-row luminaire, silver

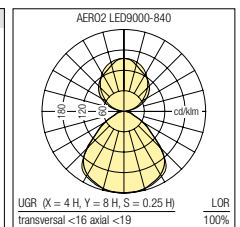
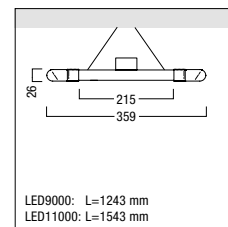


• [...] |

	L	kg	Order no.
Dimmable continuous row luminaire			<i>dimnable Dali only</i>
LED11000-830	1543	12,5	42 182 423
LED11000-840	1543	12,5	42 182 425
LED9000-830	1243	10,0	42 182 419
LED9000-840	1243	10,0	42 182 421

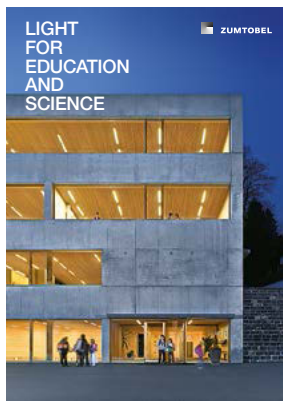
Accessory  
 ASQ1 LB SET Cord suspension 22 162 265  
 ASQ2 LB SET Cord suspension 22 162 374  
 LB ASQ1 Continuous row connector, cord kit 22 162 264  
 LB ASQ2 Continuous row connector, cord kit 22 162 373  
 PMMA OPTICS Cleaning kit 22 166 921

Please order continuous-row connectors, cord suspensions and supply cable separately.





zumtobel.com/office



zumtobel.com/education



zumtobel.com/shop



zumtobel.com/hotel



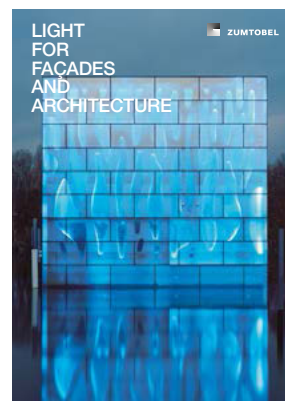
zumtobel.com/culture



zumtobel.com/healthcare



zumtobel.com/industry



zumtobel.com/facade

**Zumtobel, a company of the Zumtobel Group, is an internationally leading supplier of integral lighting solutions for professional indoor and outdoor building lighting applications.**

- Offices and Communication
- Education and Science
- Presentation and Retail
- Hotel and Wellness
- Art and Culture
- Health and Care
- Industry and Engineering
- Façades and Architecture

We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. Under the Humanergy Balance concept, we combine the best possible ergonomic lighting quality for an individual's well-being with the responsible use of energy resources. The company's own sales organisations in twenty countries, as well as commercial agencies in fifty other countries, form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

**Lighting and sustainability**

In line with our corporate philosophy *"We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment"*, Zumtobel offers energy-efficient high-quality products, while at the same time making sure that our production processes based on the considerate use of resources are environmentally compatible.

[zumtobel.com/sustainability](http://zumtobel.com/sustainability)



**Top quality – with a five-year guarantee.**  
As a globally leading luminaire manufacturer, Zumtobel provides a five year manufacturer's guarantee on all Zumtobel branded products in accordance with the terms of guarantee at [zumtobel.com/guarantee](http://zumtobel.com/guarantee).

Order no.04 900 308-EN 10/2015 © Zumtobel Lighting GmbH  
Technical data was correct at time of going to press.  
We reserve the right to make technical changes without notice. Please contact your local sales office for further information.





Tracks and spots

#### United Kingdom

ZG Lighting (UK) Limited  
Chiltern Park  
Chiltern Hill, Chalfont St. Peter  
Buckinghamshire SL9 9FG  
T +44/(0)1388 420042  
lightcentreuk@zumtobelgroup.com  
zumtobel.co.uk

#### United Arab Emirates

Zumtobel Lighting GmbH  
4B Street, Al Quoz Industrial Area  
Dubai, United Arab Emirates  
T +971/4 340 4646  
F +971/4 299 3531  
info@zumtobel.ae  
zumtobel.ae

#### Slovenia

ZG Lighting d.o.o.  
Štukljeva cesta 46  
1000 Ljubljana  
T +386/(1) 5609820  
F +386/(1) 5609866  
si.welcome@zumtobelgroup.com  
zumtobel.si



Modular lighting systems

#### USA and Canada

Zumtobel Lighting Inc.  
3300 Route 9W  
Highland, NY 12528  
T +1/845/691 6262  
F +1/845/691 6289  
zli.us@zumtobel.com  
zumtobel.us

#### Romania

Zumtobel Lighting Romania SRL  
Radu Greceanu Street, no.2,  
Ground Floor, sector 1  
012225 Bucharest  
T +40 31225 38 01  
F +40 31225 38 04  
welcome.ro@zumtobel.com  
zumtobel.com

#### Russia

Zumtobel Lighting GmbH  
Official Representative Office  
Skakovaya Str. 17  
Bld. No 1, Office 1104  
125040 Moscow  
T +7/(495) 9453633  
F +7/(495) 9451694  
info-russia@zumtobel.com  
zumtobel.ru



Downlights

#### Australia

Zumtobel Lighting Pty Ltd  
43-47 Newton Road  
Wetherill Park, NSW 2164  
T +61/2 8786 6000  
F +61/2 9612 2797  
info@zumtobel.com.au  
zumtobel.com.au

#### Hungary

ZG Lighting Hungary Kft.  
Váci út 49  
1134 Budapest  
T +36/(1) 450 2490  
F +36/(1) 350 0829  
welcome@zumtobel.hu  
zumtobel.hu

#### Norway

Zumtobel Belysning  
Stromsveien 344  
1081 Oslo  
T +47 22 82 07 00  
info.no@zumtobel.com  
zumtobel.no



Recessed luminaires

#### New Zealand

ZG Lighting (NZ) Limited  
399 Rosebank Road  
Avondale Auckland 1026  
T +64/9 820 2893  
F +64/9 820 7591  
zumtobel.com

#### Croatia

ZG Lighting d.o.o.  
Radnička cesta 80  
10000 Zagreb  
T +385/(1) 64 04 080  
F +385/(1) 64 04 090  
welcome@zumtobel.hr

#### Sweden

Zumtobel Belysning  
Birger Jarlsgatan 87  
11356 Stockholm  
T +46 8 262650  
info.se@zumtobel.com  
zumtobel.se



Surface-mounted and pendant luminaires

#### China

Zumtobel Lighting China  
Shanghai office  
Room 101,  
No 192 YIHONG Technology Park  
Tianlin Road, Xuhui District  
Shanghai City, 200233, P.R. China  
T +86/(21) 6375 6262  
F +86/(21) 6375 6285  
sales.cn@zumtobel.com  
zumtobel.cn

#### Bosnia and Herzegovina

ZG Lighting d.o.o.  
Predstavništvo u BiH  
Zmaj od Bosne 7  
71000 Sarajevo  
T +387 33 590 463  
welcome.ba@zumtobel.com

#### Denmark

Zumtobel Belysning  
Stamholmen 155, 5. sal  
2650 Hvidovre  
T +45 35 43 70 00  
info.dk@zumtobel.com  
zumtobel.dk



Free-standing and wall-mounted luminaires

#### Hong Kong

Zumtobel Lighting Hong Kong  
Unit 4301, Level 43,  
Tower 1, Metroplaza,  
223 Hing Fong Road,  
Kwai Chung, N.T.  
T +852/2578 4303  
F +852/2887 0247  
info.hk@zumtobel.com

#### Serbia

ZG Lighting d.o.o.  
Beton hala – Karadorđeva 2-4  
11000 Belgrade  
M+381 69 54 44 802  
welcome@zumtobel.rs

#### Headquarters

Zumtobel Lighting GmbH  
Schweizer Strasse 30  
Postfach 72  
6851 Dornbirn, AUSTRIA  
T +43/(0)5572/390-0  
info@zumtobel.info



High-bay luminaires and floodlight reflector systems

#### India

Zumtobel Lighting GmbH  
Vipul Trade Centre, 406, 4th Floor  
Sohna Road, Sector 48,  
Gurgaon 122002, Haryana, India  
T +91/124 4206885 6886  
info.in@zumtobel.com

#### Czech Republic

ZG Lighting Czech Republic s.r.o.  
Jankovcova 2  
Praha 7  
17000 Praha  
T +420 266 782 200  
F +420 266 782 201  
welcome@zumtobel.cz  
zumtobel.cz

ZG Licht Mitte-Ost GmbH  
Grevensmarschstrasse 74-78  
32657 Lemgo, GERMANY  
T +49/(0)5261 212-0  
F +49/(0)5261 212-9000  
info@zumtobel.de



Luminaires with extra protection

#### Singapore

Zumtobel Lighting Singapore  
158 Kallang Way # 06-01/02  
Singapore 349245  
T +65 6844 5800  
F +65 6745 7707  
info.sg@zumtobel.com

#### Slovak Republic

ZG Lighting Slovakia s.r.o.  
Tomášikova 64  
831 04 Bratislava  
welcome@zumtobel.sk  
zumtobel.sk

#### zumtobel.com

#### Poland

ZG Lighting Polska Sp. z o.o.  
Wolaska 9a  
Platinum Business Park III  
02-583 Warszawa  
T +48 22 856 74 31  
zgpolska@zumtobelgroup.com  
zumtobel.pl



Façade, media and outdoor luminaires



Lighting management systems



Emergency lighting



Medical supply systems



**ZUMTOBEL**