

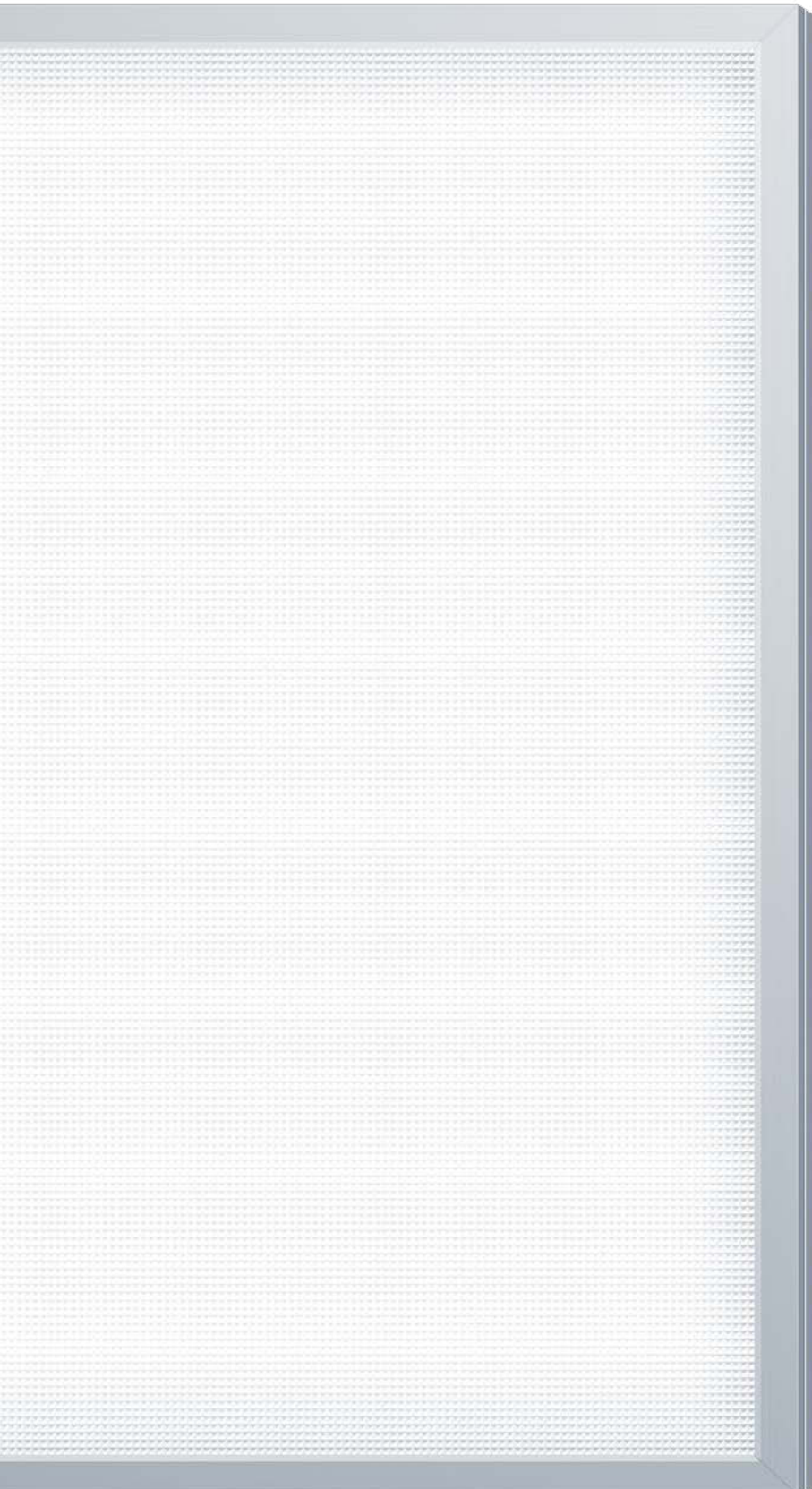


**ZUMTOBEL**

## **LIGHT FIELDS evolution**

**Recessed, surface-mounted,  
pendant, free-standing and  
wall-mounted LED luminaire**

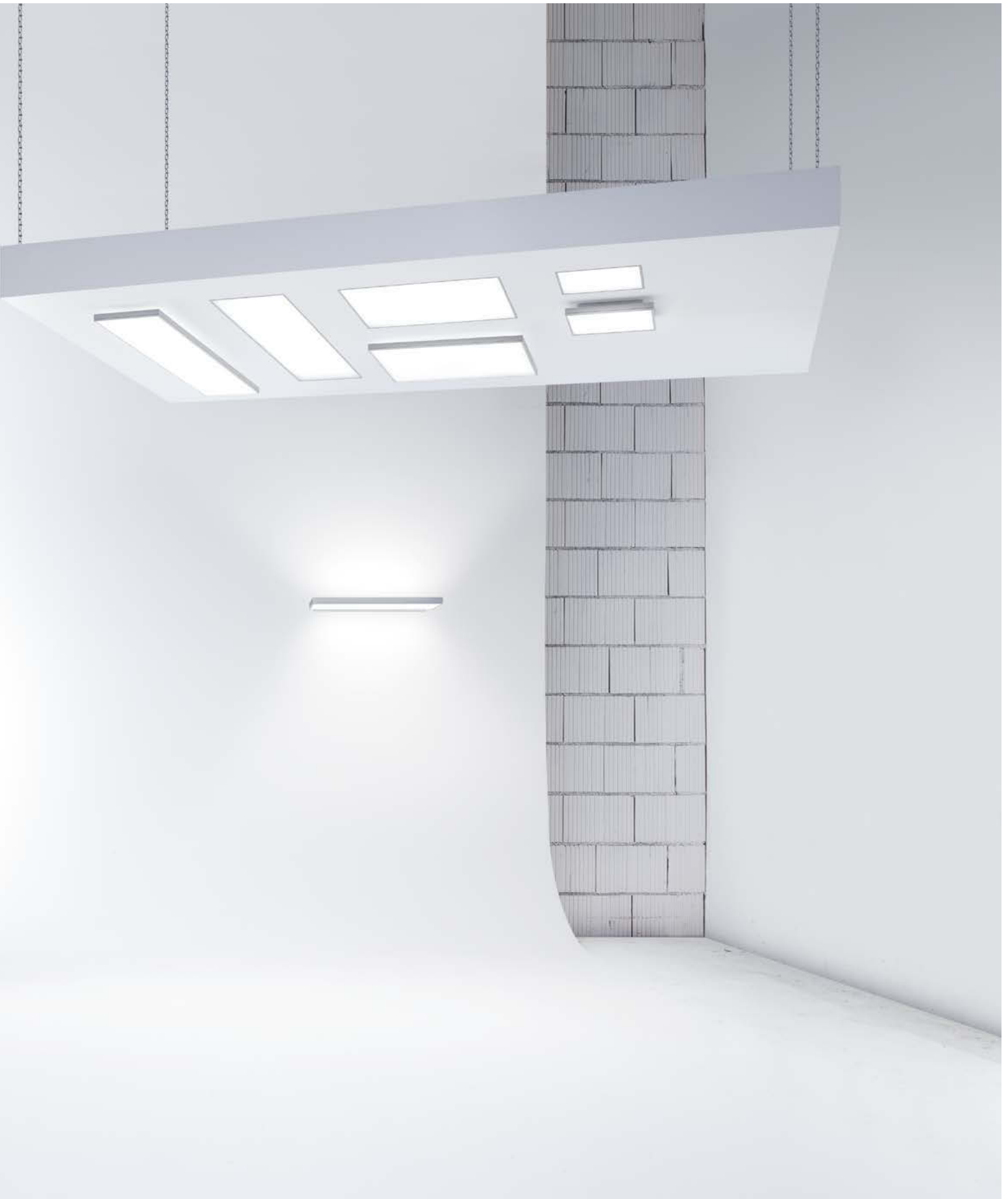
Complete range of LED  
luminaires for integral office  
lighting



[linked](#)

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





**LIGHT FIELDS evolution**

The most comprehensive office lighting range available.

# LIGHT FIELDS EVOLUTION

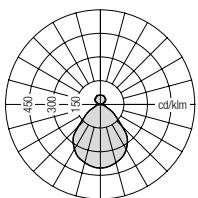


"The name LIGHT FIELDS evolution says it all: the luminaire is entirely dedicated to progress and further development. The design is minimalist and consistently uniform for all models. LIGHT FIELDS evolution is impressive not only in visual terms but also in terms of technical features: the luminaire is fitted with innovative technologies and always provides perfect, glare-free light. At the same time, it is efficient and flexible: qualities by which the new generation stands out as contemporary office lighting system that provides perfect lighting conditions for many situations."





## Clear design. Maximum lighting quality.



The direct/indirect ratio of 80:20 gently brightens up the ceiling

**Pendant luminaire** Suspended from the ceiling, the LIGHT FIELDS evolution pendant luminaire cannot fail to impress on account of the perfect interplay of indirect and direct light. Its large direct light component of 80 percent provides sufficient vertical illumination while significantly reducing energy consumption. Its indirect light component of 20 percent ensures perfect quality: the ceiling is brightened up pleasantly, the gentle transition between the luminaire and the background providing good ergonomic compatibility. The light source, which is fitted with innovative LitePrint® waveguide technology (patent pending), remains concealed despite its minimum height and delicate frame. This means that the high luminance of the individual LED lighting points is resolved perfectly. Featuring a slim-line, minimalist unit made of high-grade aluminium, the pendant luminaire can be easily integrated into contemporary office interiors.



Design sizes of LIGHT FIELDS evolution **Pendant luminaire**



1518 x 268 mm  
5370 lm

**Versatility and creative freedom. Pared-down design.**

Continuous-row system







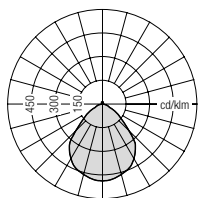
**Continuous row connector**

Ensures a flush luminaire appearance and reduces the number of suspension points, thus reducing installation effort and therefore costs.

**In line** with sophisticated architecture: mounted in a continuous row, luminaire after luminaire, the LIGHT FIELDS pendant luminaire presents itself as a delicate light ribbon. The extremely uncluttered ceiling look opens up plenty of creative freedom for architects and designers. Only one electric feed per ribbon is required – this reduces the number of suspension points by almost 50% compared to individual installation.

# High-quality lighting that meets many requirements

## Surface-mounted luminaire



The subdued indirect light component of the surface-mounted luminaire creates a discreet lighting aura on the ceiling. The luminaire seems to float below the ceiling.

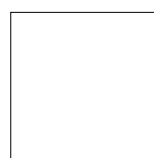
Structural conditions in offices, for instance low ceiling heights, frequently pose a challenge to lighting. Where neither pendant nor recessed luminaires are an option, the problem is solved reliably by surface-mounted luminaires: thanks to innovative LitePrint® waveguide technology (patent pending), the surface-mounted luminaire provides a clear, uncluttered appearance, with a visible height of only 28 millimetres\*. An additional indirect light\*\* component of 5 percent creates a pleasant lighting corona, making the surface-mounted luminaire appear to float below a cushion of light.

\* total height of luminaire: 56 mm

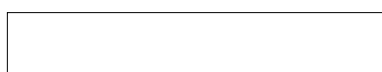
\*\* except for MINI version



324 x 324 mm  
1400 lm (no indirect light)



636 x 636 mm  
4500 lm (5% indirect light)



1518 x 268 mm  
4500 lm (5% indirect light)

Design sizes of LIGHT FIELDS evolution **Surface-mounted**

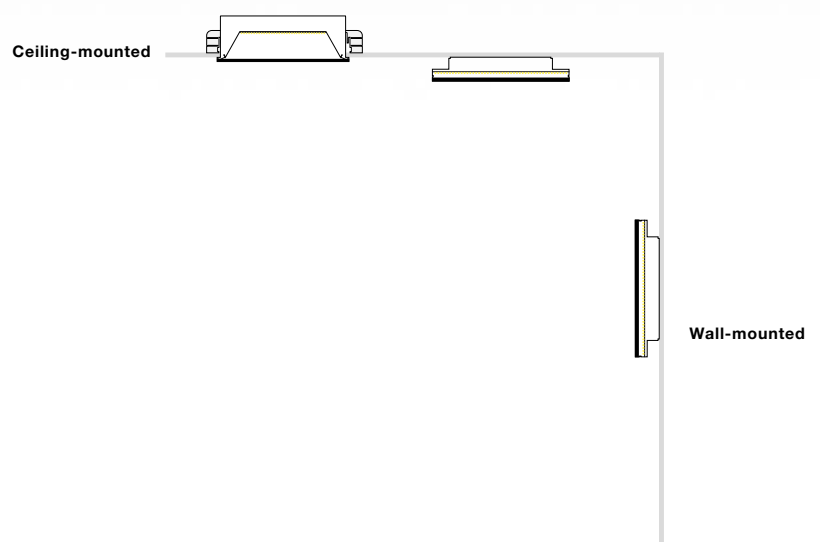
## **Compact design. Huge effect.**

MINI ceiling-mounted and wall-mounted luminaire



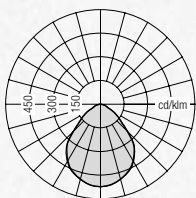
LIGHT FIELDS evolution **MINI**

LIGHT FIELDS evolution MINI adds an especially compact design to the models in the luminaire range. Featuring minimal dimensions and an unobtrusive design, it is particularly suitable for lighting relatively small rooms or circulation areas such as corridors as well as ambient areas requiring little light. Moreover, the luminaire's innovative technical features always provide high lighting quality and flexibility: the miniature lighting tile can be installed horizontally on the ceiling or vertically on the wall.



## The classic Recessed luminaire

105 lm/W



Owing to an exactly defined beam angle of more than 65 degrees, LIGHT FIELDS evolution always provides perfect glare control of luminance levels.

As a recessed luminaire, LIGHT FIELDS evolution provides maximum efficiency of up to 105 lm/W, effectively reducing the energy consumption of an office building. Moreover, using a concealed housing it can be installed flush in plasterboard or modular ceilings, ensuring maximum integration into the interior design. The only thing that remains visible is a 7 millimetres wide, high-grade aluminium frame, which also marks the edges of the luminaire. The luminaire is available in four designs and as a "High Efficiency" and a "High Output" model, flexibly illuminating a variety of different rooms and room situations.



**M600:** 297 x 297 mm  
**M625:** 309 x 309 mm  
 1280 lm



**M600:** 597 x 597 mm  
**M625:** 622 x 622 mm  
 3780 lm *high efficiency*  
 4570 lm *high output*



**M600:** 1197 x 297 mm  
**M625:** 1247 x 309 mm  
 3700 lm *high efficiency*  
 4460 lm *high output*



**M600:** 1497 x 297 mm  
**M625:** 1547 x 309 mm  
 4510 lm *high efficiency*  
 5610 lm *high output*



## Skylight for task areas

### Cluster luminaire

In situations where task areas are confined to comparatively small spaces, efficient lighting solutions can be implemented perfectly using the LIGHT FIELDS evolution cluster version. Contrary to traditional office lighting, the cluster allows for highly targeted lighting of task areas. Bright direct light is directed downwards onto the task area – precisely where it is needed, no matter whether this is a computer workstation, a conference table or a reception area. The luminaires arranged in a cluster create a lighting scene similar to daylight, ensuring a natural, balanced atmosphere in the rooms. The cluster also fits in discreetly with the ceiling, thus becoming an integral part of the interior design.





LIGHT FIELDS evolution cluster as recessed version



LIGHT FIELDS evolution cluster as surface-mounted version

## **Flexibility meets intelligence**

Free-standing luminaire for individual and double workstations





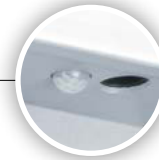
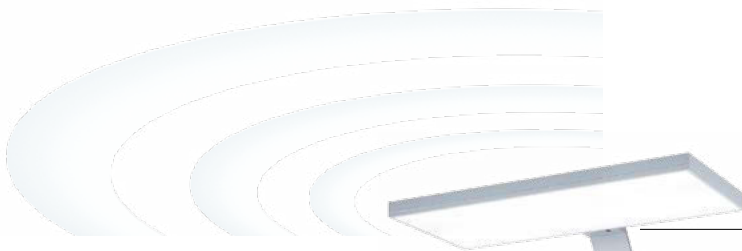
The free-standing luminaire provides maximum flexibility in terms of interior design. The youngest member of the LIGHT FIELDS evolution product range can be effortlessly adjusted to a variety of work situations without any spatial restrictions. Thanks to its slim-line design and discreet luminaire head, the free-standing luminaire flexibly blends into the office interior. It is available with three different luminous flux levels and is effortlessly able to implement illumination of a variety of task area situations. The indirect light component, which hits the task area in an asymmetrical pattern, ensures light distribution as uniform as possible in the room. The sensControl presence-based brightness control system, which is built in as standard, ensures optimum energy consumption. Intelligent swarm-Control technology makes the luminaires communicate with each other in the room and always provide the optimum quantity of light for perfect visual comfort.



#### Wall-mounted luminaire

The design of the luminaire is consistently upheld in all the models of the LIGHT FIELDS evolution range: the free-standing luminaire and the wall-mounted luminaire, too, provide a uniform appearance.

**swarmControl** Innovative swarmControl technology makes the free-standing luminaires in the room communicate with each other. The luminaires automatically configure themselves into a swarm, creating a pleasant light cloud within a defined range. Another highlight of this technology is the corridor function: thanks to a presence detector, the way to a person's workstation is always perfectly illuminated. At any time of day or night.



#### sensControl

Using sensControl technology, up to 70 percent of energy can be saved, compared to switchable free-standing luminaires. A presence detector automatically switches the luminaire on and switches it off again when there is no one in the room. A brightness sensor monitors illuminance across the desktop, and dims the free-standing luminaire depending on the quantity of daylight or artificial lighting available.



#### Control unit

Simple and intuitive to operate: a built-in, small LED light always indicates the current status of the free-standing luminaire. To make sure that height-adjustable desks can be positioned as required without hiding the switching system, the control unit has been fitted in the upper area of the luminaire stand.



#### Base




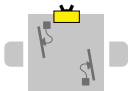
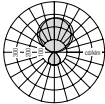

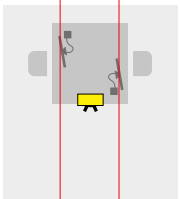
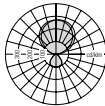
The smart base design allows for flexible positioning near the desk.

**Lumen packages LIGHT FIELDS evolution free-standing luminaire**

LIGHT FIELDS evolution is available with three different luminous flux levels, i.e. 8 060, 11,000 and 14,800 lumens, and – with identical design and dimensions – provides illuminance in conformity with relevant standard in the visual task area of both individual and double workstations. Low and medium lumen packages are ideal in particular for lighting individual workstations and small task areas. With a larger indirect component, the two larger lumen packages are perfect for lighting larger areas and provide even more uniform light distribution.

**Design recommendation**

**Requirements placed on the lighting solution**

	<ul style="list-style-type: none"> <li>• <b>Large or unknown area to be calculated</b> (e.g. desktop or task areas)</li> <li>• <b>Long or unknown operating times</b> (typ. 2750 h/year)</li> <li>• <b>Low maintenance factor due to long period under consideration</b> (Recomm.: MF 0.67 for period of use &gt; 15 years)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Smaller areas to be calculated</b> (e.g. only actual area of visual task)</li> <li>• <b>Shorter real operating times taking built-in presence detector into account</b> (typ. 2000 h/year)</li> <li>• <b>Higher maintenance factor due to shorter period under consideration</b> (typ. MF 0.80 for period of use &lt; 10 years)</li> </ul>
<p>Individual workstation</p> 	 <p><b>11 550 lm, 116 W</b> 30 % direct light 70 % indirect light (asym.)</p>	 <p><b>8 060 lm, 82 W</b> 40 % direct light 60 % indirect light (asym.)</p>
<p>Double workstation</p> 	 <p><b>15 670 lm, 152 W</b> 20 % direct light 80 % indirect light (slightly asym.)</p>	 <p><b>11 550 lm, 116 W</b> 30 % direct light 70 % indirect light (asym.)</p>
<p>3-axes room</p> 		 <p><b>15 670 lm, 152 W</b> 20 % direct light 80 % indirect light (slightly asym.)</p>



### **Back-lit** technology

In order to achieve maximum efficiency, LIGHT FIELDS evolution recessed luminaires feature back-lit technology, which uses LEDs to backlight the optical system.

### **Luminaire housing made of painted sheet steel**

The universal luminaire housing allows for easy installation in a wide variety of ceilings; once installed it is, however, completely invisible.

### **DALI-dimmable LED converter**

All LIGHT FIELDS evolution luminaires are fitted with a DALI-dimmable and DC-compatible LED converter. This reduces costs incurred for investing in a lighting management system, and increases potential energy savings.

### **3Dprotect® reflector with multiple functions**

The innovative 3Dprotect® reflector provides protection against contact with the LED modules while ensuring a high luminaire efficiency level.

### **Reflectors**

The lateral reflectors ensure uniform illumination to the luminaire's edges and also increase luminaire efficiency.

### **High-grade aluminium frame**

The optical system is secured by a delicate aluminium frame with a visible width of only eight millimetres, which also forms perfect luminaire edges.

### Side-lit technology

The direct/indirect luminaires of the LIGHT FIELDS evolution range feature innovative side-lit technology: here, LED light is fed from the luminaire edge into a light guide.

### Luminaire housing as base

The luminaire housing also serves as gear tray and at the same time forms the solid rear of the surface-mounted and pendant luminaire.

### Innovative LitePrint® light guide panel

Owing to LitePrint® waveguide technology (patent pending), LED is fed uniformly from the luminaire edge towards the centre and emitted downwards. An exactly defined light component is directed upwards via openings.

### Latest-generation LED modules

All LIGHT FIELDS evolution models are available with colour temperatures of 3000 K or 4000 K and a colour rendering index of  $R_a > 80$ , effortlessly meeting modern office lighting requirements. A long service life of 50,000 hours with a drop in luminous flux of 80 or 70 percent\* is also impressive.

\* depending on design and wattage

### 3-layer MPO+

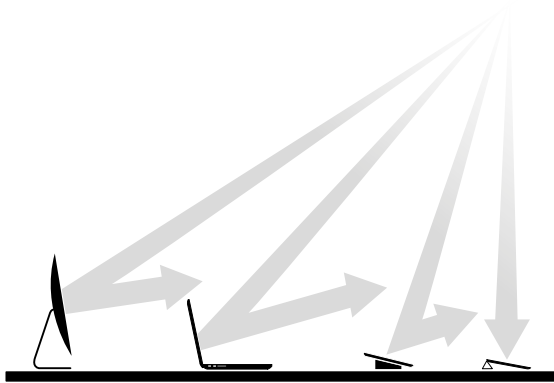
The seamless micro-pyramidal optic resolves the LED lighting points perfectly and provides glare-free luminance levels, its classic design and brilliant light enhancing the high quality standards of LIGHT FIELDS evolution.





## Brilliant, glare-free light

LIGHT FIELDS evolution with MPO+

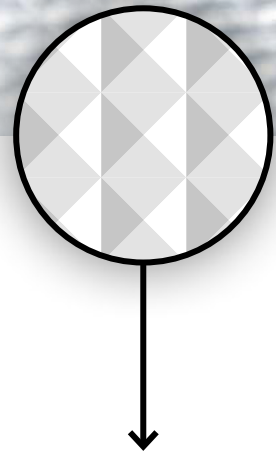


Glare control according to relevant standards and beyond

55° – 90° Flat screen	40° – 90° laptop	0° – 40° display	0° – 10° tablet PC
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**MPO+** Due to its unique micro-pyramidal optic (MPO+), LIGHT FIELDS evolution always fascinates users on account of best possible glare control and perfect, brilliant lighting quality. Even at high luminous flux, luminance is consistently reduced, providing pleasantly distributed light even at steep radiation angles. This means that LIGHT FIELDS evolution can easily be used directly above task areas with flat tablet PCs as well as above vertical displays. A major benefit for the creative design of rooms: the luminaires can be positioned in the room completely flexibly and independently of the task area. Available with various different wattages, the luminaire also performs a wide range of lighting tasks without any problem. The smooth surface of the MPO+ ensures that it can be easily cleaned and prevents the accumulation of dust.





**Technology comparison:**

Conventional single-layer or double-layer prism or cone structure

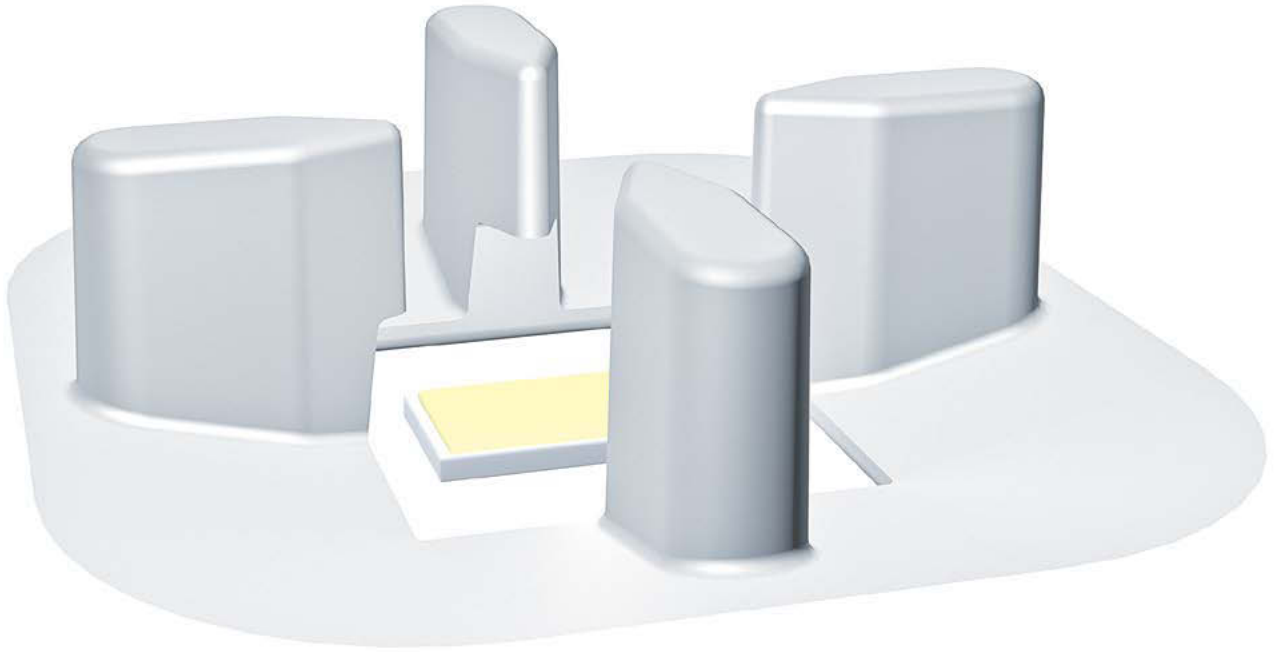


As the optic is not coated with a protective layer, dust accumulates in the slots and is hard to remove.

Three-layer MPO+

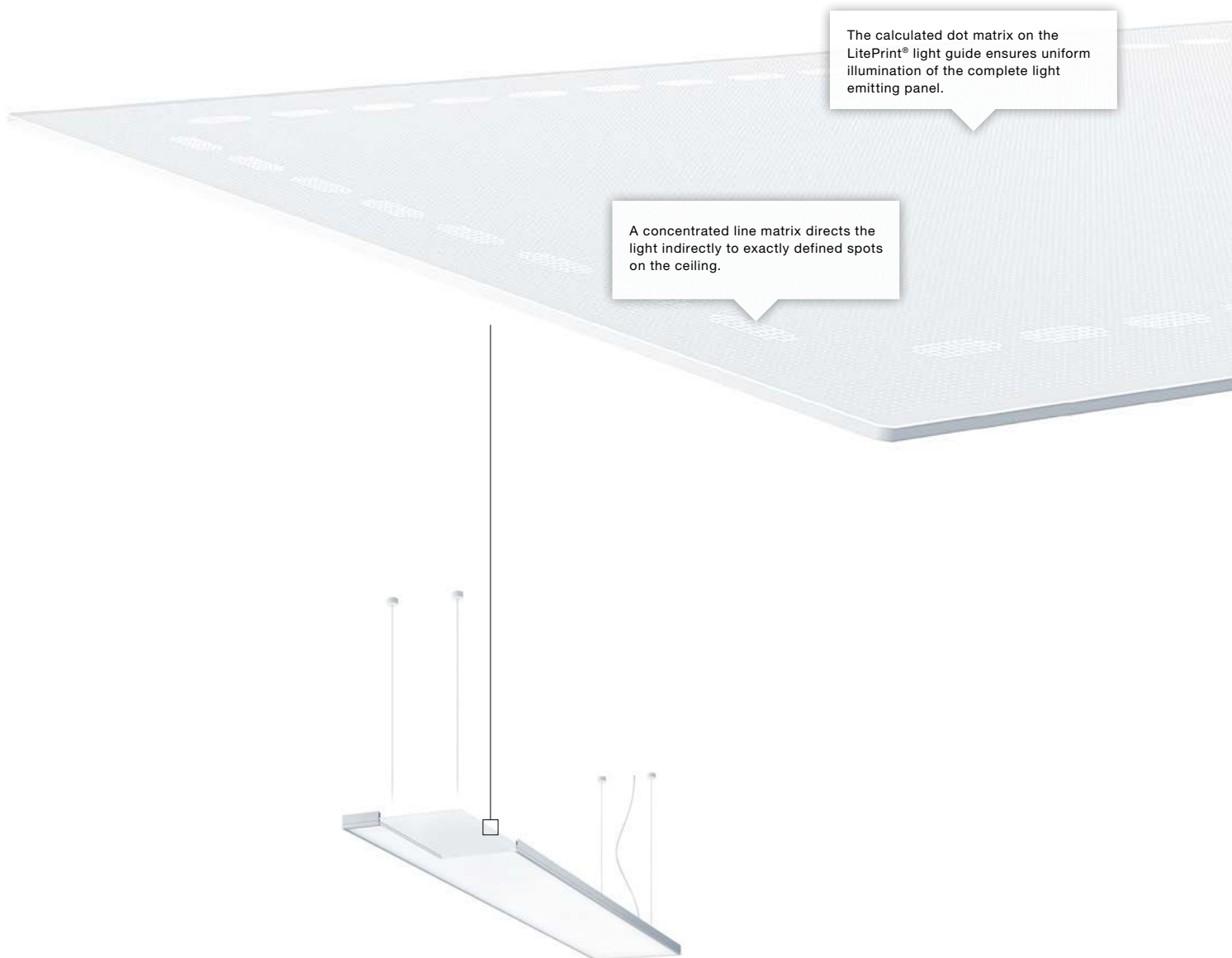


The LED points are resolved perfectly by the diffuser layer of the MPO+ optic. High-precision formed micropyramids ensure brilliant light. In addition, the smooth surface of MPO+ makes it resistant to dirt and easy to clean.



The 3Dprotect® reflector provides several benefits: its high reflection factor allows to increase the luminaire efficiency level. The three-dimensional reflector design also provides effective protection against touching the LED modules: initial damage to LEDs by electrostatic discharge already during installation can be effectively prevented without having to additionally protect the light emitting diodes. This makes installation and cleaning of the optical system considerably easier. The smooth surface of the optic also reduces accumulation of dirt and can be easily cleaned.

3Dprotect® reflector



Owing to LitePrint® light guide technology (patent pending), LED light is uniformly emitted downwards by means of sophisticated, unique laser engraving. At the same time, an exactly defined light component is directed upwards, in specific regions, via openings in the luminaire housing, without needing any extra LED modules.

LitePrint®

# Quality and efficiency in team offices

## LED compared to fluorescent lamps



Due to the high luminaire efficiency factor and the resultant low installed load and power consumption, investing in LIGHT FIELDS evolution pays off in two years\*. Fitted with dimmable converters as standard, additional potential savings can be realised using an intelligent lighting management system. Another benefit: due to the long service life of the LED modules, the maintenance effort as a whole required for the lighting installation is reduced as well. Moreover, users benefit from its lighting quality: the high-quality optical system of LIGHT FIELDS evolution increases visual comfort and makes the lighting solution even more flexible.

\* compared to a conventional lighting solution, fitted with 4 x 14 W T16.

### Underlying conditions

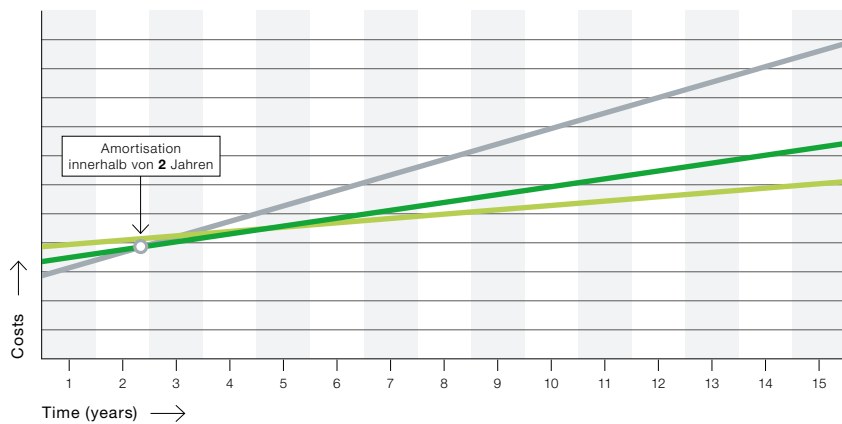
**Conventional T16 luminaires**  
 12 LIGHT FIELDS recessed lum. 4 x 14 W T16 electr. ballast  
 Luminous flux of luminaires: 3350 lm  
 Luminous efficiency of luminaires: 54 lm/W

**LED luminaires**  
 12 LIGHT FIELDS evolution recessed lum. 36 W  
 Luminous flux of luminaires: 3780 lm  
 Luminous efficiency of luminaires: 105 lm/W

**Lighting management system**  
 DIMLITE daylight with daylight-based control and presence-based control. [zumtobel.com/dimlite](http://zumtobel.com/dimlite)

**Calculation period**  
 15 years

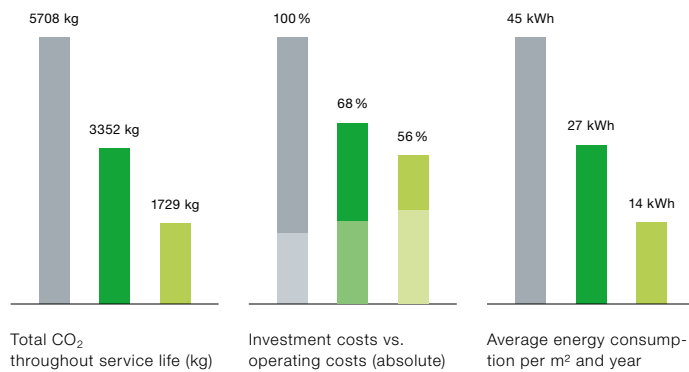
### Amortisation of costs



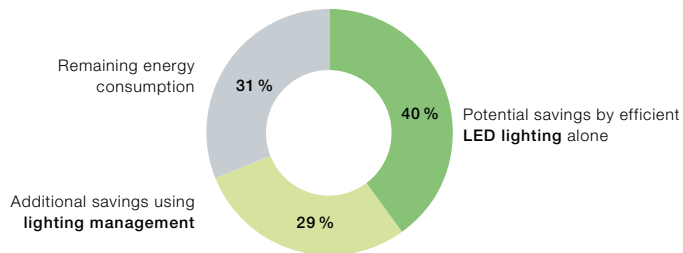
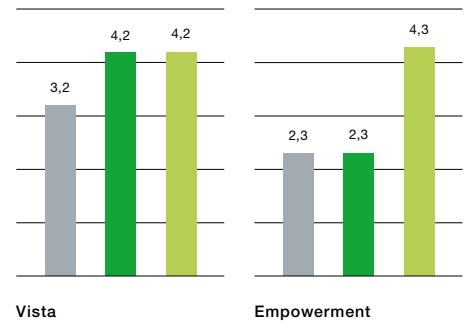
- Vergleich mit 4 x 14 W T16
- LIGHT FIELDS evolution
- LIGHT FIELDS evolution + Lichtmanagement

All calculations are based on an annual increase in energy and operating costs of 7.5%.

**Energy consumption and costs:**



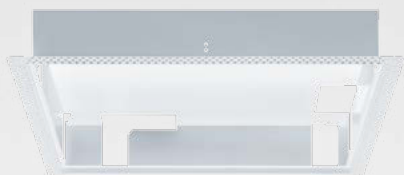
**Lighting quality:**



## Easy and straightforward Installation and maintenance



The plaster-in housing is available for linear as well as square luminaires.



LIGHT FIELDS evolution can be easily installed in various different ceilings: the luminaire can be easily fitted in modular ceilings with an exposed carrier system; in modular ceilings with a concealed carrier system, it can be installed without any problem using a mounting kit. The luminaire is connected to the mains either from the outside (without opening it) or from the inside. Strain relief is available separately upon request. Using a plaster-in housing, which is available as accessory, flush installation in plasterboard ceilings is almost as simple as conventional installation. By means of a leveling kit, the luminaire is fitted in the plaster-in housing in next to no time. This means that the lower edge of the luminaire and the bottom of the ceiling are exactly level, and are interrupted only by a very small, defined shadow line. Luminaire maintenance is just as easy as installation. Thanks to the open, unencapsulated design, installation and cleaning of the luminaire's optical system are equally easy. The smooth surface of the optic reduces accumulation of dirt and can be easily cleaned.





**ONLITE central eBox**  
Fascinating intelligence: latest-generation systems with central supply

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

## Emergency lighting **Central supply**

**Uniform ceiling look – lower costs** To ensure a uniform ceiling look, the emergency lighting function in LIGHT FIELDS evolution can be integrated into the general lighting function. Extra emergency luminaires are no longer required. In large installations including more than 100 luminaires in particular, costs and labour input can be significantly reduced using a central supply system. In an emergency, the luminaires will be dimmed automatically to a pre-set emergency lighting level of 15 percent. A central battery provides DC supply, ensuring emergency lighting in conformity with relevant standards. All products of the LIGHT FIELDS evolution range are DC-compatible and can therefore be used in centrally supplied emergency lighting installations \*.

\* except for free-standing luminaires





**Luminaire spacing for anti-panic lighting in conformity with relevant standards**

Mounting height	<b>Q600 recessed</b>		<b>L1500 surface-mounted</b>		<b>L1500 pendant</b>	
	Max. spacing betw. wall/luminaire (m)	Max. spacing betw. luminaire/lum. (m)	Max. spacing betw. wall/luminaire (m)	Max. spacing betw. luminaire/lum. (m)	Max. spacing betw. wall/luminaire (m)	Max. spacing betw. luminaire/lum. (m)
2.2 m	2.40	6.90	2.50	6.95	2.40	6.80
2.5 m	2.75	7.75	2.70	7.50	2.60	7.25
3.0 m	3.20	9.15	2.95	8.25	2.85	8.00
3.5 m	3.45	9.95	3.20	8.95	3.10	8.65
4.0 m	3.75	10.50	3.45	9.55	3.35	9.20
4.5 m	4.00	11.05	3.70	10.05	3.60	9.60



## Emergency lighting **Separate-battery supply**

**ONLITE local emergency sets**

Zumtobel supplies ready-to-use luminaires with separate battery supply (emergency sets) for emergency lighting integrated into general lighting systems. In contrast to luminaires converted by the operator, compliance to standards is guaranteed here. The ONLITE local emergency sets are available for operating times of one or three hours.

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

**Lighting design made easy thanks to built-in emergency lighting function**

Lighting design is made much easier using separate-battery supply. No additional installation and cabling are required; the emergency lighting function has already been integrated into the luminaires (pendant, surface-mounted and recessed luminaire). Particularly convenient: the statutory annual system tests and function tests are run automatically by the luminaires. The status LED reliably indicates whether or not the supply system is ready for operation. Depending on a room's geometry, one luminaire is enough to provide guidance – in emergencies – in an area of 100 m<sup>2</sup>\* and to ensure that people can safely leave their workplace. In case of mains power failure, the defined emergency luminaires will automatically switch to 1-hour or 3-hour battery operation.

\* recessed luminaire for ceiling height of 3.5 m

	Recessed luminaire	Surface-mounted luminaire	Pendant luminaire	Free-standing luminaire	Wall-mounted luminaire
<b>Distribution characteristics</b>					
☒ Direct	•				•
☒ Indirect/direct		•	•	•	•
<b>Colour</b>					
Silver	•	•	•	•	
White (optionally)	•				
<b>Installation</b>					
Cluster	•	•			•
Continuous-row system			•		
<b>Dimensions</b>					
324 x 324 mm		•			•
613 x 191 mm					•
636 x 636 mm		•			
1518 x 268 mm		•	•		
616 x 276 x 1950 mm				•	
<b>Dimensions (module 600 / 625 for recessed luminaires)</b>					
297 x 297 mm	309 x 309 mm	•			
597 x 597 mm	622 x 622 mm	•			
1 197 x 297 mm	1 247 x 309 mm	•			
1 497 x 297 mm	1 547 x 309 mm	•			
<b>LED (4000K/3000K)</b>					
1 280 lm	1 200 lm	•			
1 400 lm	1 300 lm		•		•
3 780 lm	3 530 lm	•			
4 580 lm	4 260 lm				•
4 570 lm	4 270 lm	•			
4 500 lm	4 190 lm		•		
4 510 lm	4 210 lm	•			
5 375 lm	5 000 lm		•		
5 610 lm	5 240 lm	•			
8 060 lm	7 500 lm (optionally)			•	
11 550 lm	10 740 lm (optionally)			•	
15 670 lm	14 570 lm (optionally)			•	

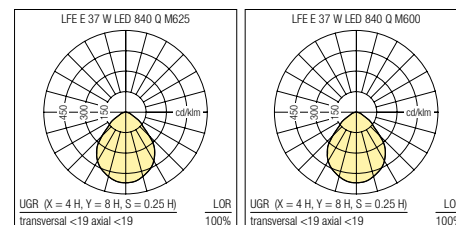
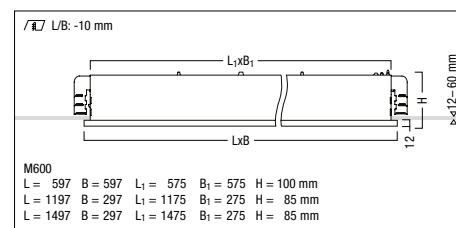
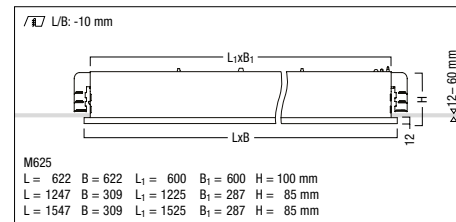
LIGHT FIELDS evolution recessed



- Modular LED recessed luminaire for DSE workstation illumination
- LED service life: 50,000 h before luminous flux is reduced to 70-80 % of the initial value (according to wattage)
- luminaire light output up to 105 lm/W
- Colour tolerance: MacAdam 3
- Colour temperature 4000 K (neutral white) and 3000 K (warm white)
- Colour rendering index: Ra > 80
- Light guided via backlit multi-layer MPO+ micropyramidal optic
- defined light emission for glare-free light distribution in accordance with EN 12464-1 with UGR < 19 and L65 < 1500/3000 cd/m<sup>2</sup> (according to wattage)
- reduced luminance at steep angles specifically designed to cut glare on tilted displays and allow maximum flexibility in positioning of luminaires
- evenly spaced LED light points
- LED modules include high reflection 3Dprotect reflector as protective cover to prevent damage from electrostatic discharge
- Smooth, removable diffuser made of high-grade PMMA for an exceptional look of quality, low dirt accumulation and easy cleaning
- Flat housing made of painted sheet steel
- Aluminium optic surround in silver-look finish
- internal 5-pole plug-in terminal block (can be connected from inside or outside)
- For cut ceiling apertures and modular ceilings with concealed or visible grid system
- suitable for flush-ceiling plastered and cluster mounting (requires accessory)
- Luminaire pre-wired using halogen-free leads
- optionally available as emergency luminaire

	L/W/H	kg	Order no.
<b>LED luminaire for module 600 in light colour 3000 K</b>			
14 W LED 830 Q	297/297/110	2,8	42 181 837
36 W LED 830 L1200 <i>eco+</i>	1198/298/96	9,0	42 181 845
36 W LED 830 Q <i>eco+</i>	598/598/96	4,5	42 181 553
45 W LED 830 L1200 <i>eco+</i>	1198/298/96	9,0	42 181 847
45 W LED 830 Q <i>eco+</i>	598/598/96	4,5	42 181 841
46 W LED 830 L1500 <i>eco+</i>	1498/298/96	11,0	42 181 851
56 W LED 830 L1500 <i>eco+</i>	1498/298/96	11,0	42 181 854
<b>LED luminaire for module 600 in light colour 4000 K</b>			
14 W LED 840 Q	297/297/110	2,8	42 181 839
36 W LED 840 L1200 <i>eco+</i>	1198/298/96	9,0	42 181 557
36 W LED 840 Q <i>eco+</i>	598/598/96	4,5	42 181 555
45 W LED 840 L1200 <i>eco+</i>	1198/298/96	9,0	42 181 849
45 W LED 840 Q <i>eco+</i>	598/598/96	4,5	42 181 843
46 W LED 840 L1500 <i>eco+</i>	1498/298/96	11,0	42 181 559
56 W LED 840 L1500 <i>eco+</i>	1498/298/96	11,0	42 181 858
<b>LED luminaire for module 625 in light colour 3000 K</b>			
14 W LED 830 Q	309/309/110	3,0	42 181 838
36 W LED 830 L1200 <i>eco+</i>	1248/310/96	9,0	42 181 846
36 W LED 830 Q <i>eco+</i>	623/623/96	4,5	42 181 554
45 W LED 830 L1200 <i>eco+</i>	1248/310/96	9,0	42 181 848
45 W LED 830 Q <i>eco+</i>	623/623/96	4,5	42 181 842
46 W LED 830 L1500 <i>eco+</i>	1548/310/96	11,0	42 181 853
56 W LED 830 L1500 <i>eco+</i>	1548/310/96	11,0	42 181 856
<b>LED luminaire for module 625 in light colour 4000 K</b>			
14 W LED 840 Q	309/309/110	3,0	42 181 840
36 W LED 840 L1200 <i>eco+</i>	1248/310/96	9,0	42 181 558
36 W LED 840 Q <i>eco+</i>	623/623/96	4,5	42 181 556
45 W LED 840 L1200 <i>eco+</i>	1248/310/96	9,0	42 181 850
45 W LED 840 Q <i>eco+</i>	623/623/96	4,5	42 181 844
46 W LED 840 L1500 <i>eco+</i>	1548/310/96	11,0	42 181 560
56 W LED 840 L1500 <i>eco+</i>	1548/310/96	11,0	42 181 859

Mounting kit and strain relief must be ordered separately.



**LIGHT FIELDS evolution recessed, accessories**

Order no.



- plaster housing of sheet steel, coated white, for flush installation in sealed plasterboard ceilings with fine shadow gap

LFE E M600 L1200 mounting surround	22 169 069
LFE E M600 Q mounting surround	22 169 068
LFE E M625 L1200 mounting surround	22 169 092
LFE E M625 Q mounting surround	22 169 091
LFE E MINI M600 Q mounting surround	22 169 067
LFE E MINI M625 Q mounting surround	22 169 090
LFE E NIV SET ceiling fixing kit	22 168 977
PMMA OPTICS Cleaning kit	22 166 921
Suction cup	20 935 455



**LIGHT FIELDS evolution**

[...] Shared properties LIGHT FIELDS evolution

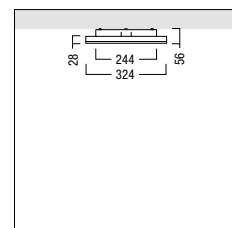
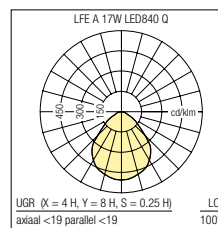
- luminaire light output up to 90 lm/W
- Colour tolerance: MacAdam 3
- Colour temperature 4000 K (neutral white) and 3000 K (warm white)
- Colour rendering index: Ra > 80
- Light guided by high-efficiency LitePrint® waveguide technology and multilayer MPO+ micropyramidal optic
- defined light emission for glare-free light distribution in accordance with EN 12464-1 with UGR < 19 and L65 < 1500/3000 cd/m² (according to wattage)
- reduced luminance at steep angles specifically designed to cut glare on tilted displays and allow maximum flexibility in positioning of luminaires
- evenly spaced LED light points
- Closed optical system with protective covers on LED modules to prevent damage from electrostatic discharge
- high-quality, silver coated, flat aluminium luminaire housing with visible luminaire height of 28mm
- smooth outer diffuser of high grade PMMA for a brilliant appearance, low dirt sensitivity and simple cleaning
- Luminaire pre-wired using halogen-free leads

**LIGHT FIELDS evolution surface-mount**



- [...]
- Planar, low-profile LED surface-mount luminaire designed for DSE workstation illumination
- LED service life 50,000 h at 70 % luminous flux

LED luminaires	L/W/H	kg	Order no.
17 W LED 830 Q	324/324/56	3,5	42 181 860
17 W LED 840 Q	324/324/56	3,5	42 181 861

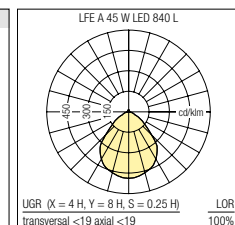
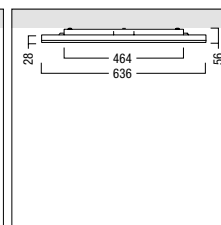
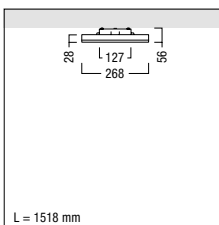


**LIGHT FIELDS evolution surface-mount**



- [...]
- flat LED ceiling surface-mounted luminaire with discreet indirect light for ceiling illumination
- LED service life: 50,000 h before luminous flux drops to 80 % of initial level
- suitable for cluster mounting (requires accessory)
- optionally available as emergency luminaire

LED luminaires	L/W/H	kg	Order no.
50 W LED 830 L	1518/268/55	12,0	42 181 863
50 W LED 830 Q	636/636/55	13,0	42 181 862
50 W LED 840 L eco*	1518/268/55	12,0	42 181 562
50 W LED 840 Q eco*	636/636/55	13,0	42 181 561



**LIGHT FIELDS evolution pendant**



- [...]
  - flat direct/indirect suspended LED luminaire incl. digitally dimmable, DC voltage-compliant DALI converter
  - LED service life: 50,000 h before luminous flux drops to 80 % of initial level
  - direct/indirect beam pattern in 80:20 ratio
  - uniform indirect light distribution optimised for low suspension height of at least 50cm
  - The transparent supply cable is not currently available in a halogen-free version. As an alternative, however, a halogen-free conventional power lead can be supplied on request.
  - including connected transparent connection cable and pre-assembled cord suspension kit
  - optionally available as emergency luminaire

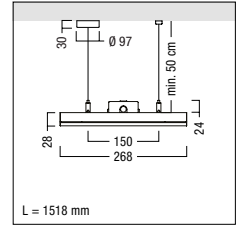
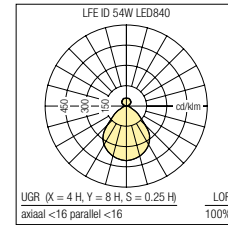
**Single LED luminaire with cord suspension**

	L/W/H	kg	Order no.
60 W LED 830	1518/268/28	12,0	42 181 890
60 W LED 840	1518/268/28	12,0	42 181 563

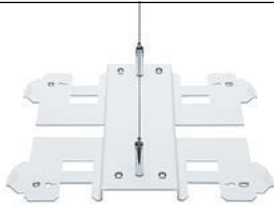
**Continuous-row LED luminaires**

60 W LED 830	1518/268/28	12,0	42 181 549
60 W LED 840	1518/268/28	12,0	42 181 550

Please note: The transparent supply cable is only suitable for supplying a single luminaire. For loop-in/loop-out wiring, a cable of cross-section 1.5 mm<sup>2</sup> must be used to satisfy safety regulations.



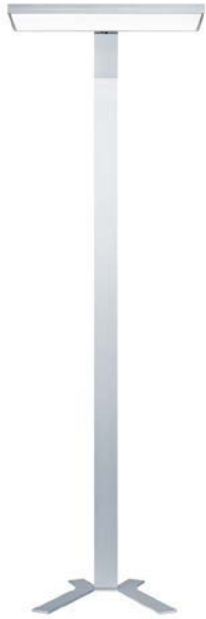
**LIGHT FIELDS evolution accessories**



- continuous row connector kit for suspended luminaires consists of 1 set for connecting 2 luminaires
- continuous row cord suspension kit for suspended luminaires consists of 1 set per continuous row
- mounting aid for installing surface-mounted luminaires in clusters

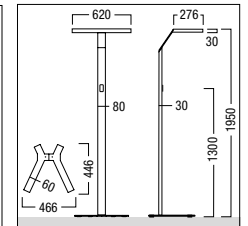
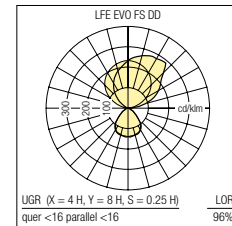
	Order no.
ASH1000 LB SET for pendant model	22 168 975
Cluster L1500 SET for surface-mount model	22 169 072
Cluster Q600 SET for surface-mount model	22 169 071
CONT RUN CON ASH1000 for pendant model	22 168 972
PMMA OPTICS Cleaning kit	22 166 921

## LIGHT FIELDS evolution freestanding luminaire



- minimalist indirect/direct LED freestanding luminaire incl. digitally dimmable converter
- LED service life 50,000 h at 70 % luminous flux
- luminaire light output up to 103 lm/W
- Colour tolerance: MacAdam 3
- Colour temperature 4000 K (neutral white) and 3000 K (warm white)
- Colour rendering index: Ra > 80
- high direct light component of 20-40% (according to wattage)
- asymmetric indirect light distribution for homogeneous illumination of workstation
- Light guided by high-efficiency Lite-Print® waveguide technology and multilayer MPO+ micropyramidal optic
- defined light emission for glare-free light distribution in accordance with EN 12464-1 with UGR < 19 and L65 < 3000 cd/m<sup>2</sup>
- reduced luminance at steep angles specifically designed to cut glare on tilted displays and allow maximum flexibility in positioning of luminaires
- evenly spaced LED light points
- Closed optical system with protective covers on LED modules to prevent damage from electrostatic discharge
- smooth outer diffuser of high grade PMMA for a brilliant appearance, low dirt sensitivity and simple cleaning
- flat luminaire head with visible height of 30mm
- flat U-formed steel base for good stability and space-saving positioning with office furniture
- head and stand of aluminium
- Built-in sensControl controller with individually adjustable light-level sensor and PIR occupancy sensors
- Optional swarmControl control for independent luminaire grouping and communication via built-in radio module
- Soft Touch control panel including feedback LED is optimally positioned in luminaire stand for control and adjustment
- Luminaire powder-coated in silver-look finish
- Black power lead, length 3 m
- Luminaire pre-wired using halogen-free leads

	H	kg	Order no.
<b>Free-standing luminaire with SensControl and SR2 safety plug</b>			
40/76 W LED 840 SensControl	1950	13,0	42 181 895
152 W LED 840 SensControl	1950	13,0	42 181 899
82 W LED 840 SensControl	1950	13,0	42 181 891
<b>Free-standing luminaire with SwarmControl and SR2 safety plug</b>			
40/76 W LED 840 SwarmControl	1950	13,0	42 181 897
82 W LED 840 SwarmControl	1950	13,0	42 181 893
<b>Accessories</b>			
PMMA OPTICS cleaning kit			22 166 921



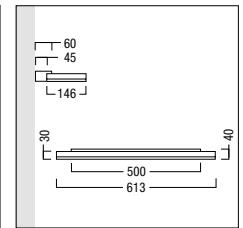
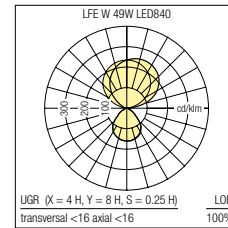
LIGHT FIELDS evolution wall-mounted luminaire



- flat direct/indirect suspended wall surface-mounted luminaire incl. digitally dimmable, DC voltage-compatible DALI converter
- LED service life 50,000 h at 70 % luminous flux
- luminaire light output up to 90 lm/W
- Colour tolerance: MacAdam 3
- Colour temperature 4000 K (neutral white) and 3000 K (warm white)
- Colour rendering index: Ra > 80
- direct/indirect beam pattern with asymmetric light distribution
- Light guided by high-efficiency Lite-Print® waveguide technology and multilayer MPO+ micropyramidal optic
- defined light emission for glare-free light distribution in accordance with EN 12464-1 with UGR < 19 and L65 < 3000 cd/m²
- reduced luminance at steep angles specifically designed to cut glare on tilted displays and allow maximum flexibility in positioning of luminaires
- evenly spaced LED light points
- Closed optical system with protective covers on LED modules to prevent damage from electrostatic discharge
- smooth outer diffuser of high grade PMMA for a brilliant appearance, low dirt sensitivity and simple cleaning
- high-quality, silver coated, flat aluminium luminaire housing with visible luminaire height of 28mm
- Luminaire pre-wired using halogen-free leads

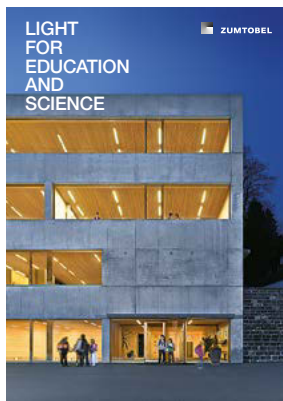
Dimmable luminaires

	L/W/H	kg	Order no.
49 W LED 830	613/146/40	4,5	42 181 883
49 W LED 840	613/146/40	4,5	42 181 884





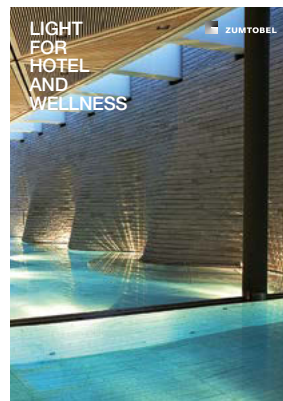
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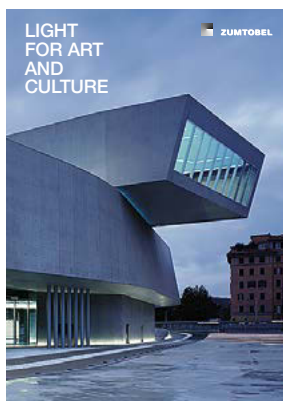
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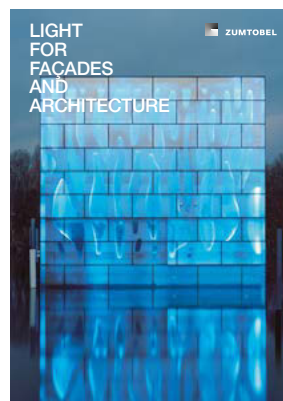
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zumtobel.com/industry



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**Zumtobel is the internationally leading supplier of integral lighting solutions for professional interior and exterior 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 subject to registration within 90 days from the invoice date and in accordance with the terms of guarantee at [zumtobel.com/guarantee](http://zumtobel.com/guarantee).

Order no. 04946 278-EN 11/2013 © 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. For the sake of the environment: Luxo Light is chlorine-free paper from sustainably managed forests and certified sources.







Track and spots



Modular lighting systems



Downlights



Recessed luminaires



Surface-mounted and pendant luminaires



Free-standing and wall-mounted luminaires



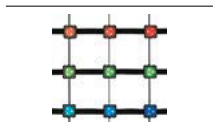
Continuous-row systems and individual batten luminaires



High-bay luminaires and floodlight reflector systems



Luminaires with extra protection



Façade, media and outdoor luminaires



Lighting management system



Emergency lighting



Medical supply systems

### United Kingdom

Zumtobel Lighting Ltd.  
Chiltern Park  
Chiltern Hill, Chalfont St. Peter  
Buckinghamshire SL9 9FG  
T +44/(0)1753 482 650  
F +44/(0)1753 480 350  
uksales@zumtobel.com  
zumtobel.co.uk

### USA and Canada

Zumtobel Lighting Inc.  
17-09 Zink Place, Unit 7  
Fair Lawn, NJ 07410  
3300 Route 9W  
Highland, NY 12528  
T +1/(0)845/691 6262  
F +1/(0)845/691 6289  
zli.us@zumtobel.com  
zumtobel.us

### Australia and New Zealand

Zumtobel Lighting Pty Ltd  
333 Pacific Highway  
North Sydney, NSW 2060  
T +61/(2)8913 5000  
F +61/(2)8913 5001  
info@zumtobel.com.au  
zumtobel.com.au

### 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

### Hong Kong

Zumtobel Lighting Hong Kong  
Unit 4319-20, Level 43,  
Tower 1, Metroplaza,  
223 Hing Fong Road,  
Kwai Fong, N.T.  
T +852/(0)2503 0466  
F +852/(0)2503 0177  
info.hk@zumtobel.com

### India

Zumtobel Lighting GmbH  
1522, Devika Tower,  
6, Nehru Place,  
110019 New Delhi  
T +91/11 4601 2782  
info.in@zumtobel.com

### Singapore

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

### United Arab Emirates

Zumtobel Lighting GmbH (Branch)  
Dubai Airport Free Zone,  
Building 6W, B Block, 233  
PO Box 54302  
Dubai  
T +971/(0)4 299 3530  
F +971/(0)4 299 3531  
info@zumtobeluae.ae

### Romania

Zumtobel Lighting Romania SRL  
Tipografilor 11-15,  
S-Park Office, Wing A1-A2  
013714 Bucharest  
T +40 312253801  
F +40 312253804  
welcome.ro@zumtobel.com  
zumtobel.com

### Hungary

Zumtobel Lighting Kft  
Váci út 49  
1134 Budapest  
T +36/(1) 3500 828  
F +36/(1) 3500 829  
welcome@zumtobel.hu  
zumtobel.hu

### Croatia, Bosnia and Herzegovina

Zumtobel Licht d.o.o.  
Radnička cesta 80 – Zagrebtower  
10000 Zagreb  
T +385/(1) 64 04 080  
F +385/(1) 64 04 090  
welcome@zumtobel.hr  
welcome.ba@zumtobel.com

### Serbia

Zumtobel Licht d.o.o.  
Karadjordjeva 2-4  
Beton Hala  
11000 Belgrade  
T +381/(0)11 65 57 657  
F +381/(0)11 65 57 658  
welcome@zumtobel.rs

### Czech Republic

Zumtobel Lighting s.r.o.  
Jankovcova 2  
Praha 7  
170 00 Praha  
T +420/(2) 66 782 200  
F +420/(2) 66 782 201  
welcome@zumtobel.cz  
zumtobel.cz

### Slovak Republic

Zumtobel Lighting s.r.o  
Vičie Hrdlo 1,  
824 12 Bratislava  
welcome@zumtobel.sk  
zumtobel.sk

### Poland

Zumtobel Licht GmbH Sp.z.o.o.  
Platinum III  
ul. Wołoska 9a  
02-583 Warszawa  
T +48/(22) 856 74 31  
F +48/(22) 856 74 32  
welcome@zumtobel.pl  
zumtobel.pl

### Slovenia

Zumtobel Licht d.o.o.  
Štukljeva cesta 46  
1000 Ljubljana  
T +386/(1) 5609 820  
F +386/(1) 5609 866  
welcome@zumtobel.si  
zumtobel.si

### Russia

Zumtobel Lighting GmbH  
Official Representative Office  
Skakovaya Str. 17  
Bld. No 1, Office 1104  
125040 Moscow  
T +7/(495) 945 36 33  
F +7/(495) 945 16 94  
info-russia@zumtobel.com  
zumtobel.ru

### Norway

Zumtobel Belysning  
Hoffsveien 4  
Postboks 1025 Hoff  
0218 Oslo  
T +47 22 06 50 50  
F +47 22 06 50 52  
firmapost@zumtobel.com  
zumtobel.no

### Sweden

Zumtobel Belysning  
Birger Jarls gatan 57  
113 56 Stockholm  
T +46 8 26 26 50  
F +46 8 26 56 05  
info.se@zumtobel.com  
zumtobel.se

### Denmark

Zumtobel Belysning  
Store Kongensgade 118  
1264 København  
T +45 35 43 70 00  
info.dk@zumtobel.com  
zumtobel.dk

### Headquarters

Zumtobel Lighting GmbH  
Schweizer Strasse 30  
Postfach 72  
6851 Dornbirn, AUSTRIA  
T +43/(0)5572/390-0  
F +43/(0)5572/22 826  
info@zumtobel.info

Zumtobel Licht GmbH  
Grevensmarchstrasse 74-78  
32657 Lemgo, GERMANY  
T +49/(0)5261 212-0  
F +49/(0)5261 212-7777  
info@zumtobel.de

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