SLOTLIGHT infinity

Recessed, surface-mounted and pendant luminaire

member of zumtobel group
Wellbeing in office spaces is enhanced by holistic lighting ecosystems. Active Light is linked to daylight dynamics, actively supporting the natural bio rhythm and seamlessly ensuring maximum visual comfort for tasks. Such human centric lighting solutions bring people together and promote creativity, as they are effortlessly personalized, with the individual always at heart.

See here how Active Light works: zumtobel.com/activelight
Intensity
The right lighting level can best be determined by the individual’s visual ability and the task itself. Moreover, basic planning parameters and current standards for workplaces must be taken into account.

Direction
Light is a tool for architectural design. By varying luminance and light distribution the general atmosphere of a space can shift instantly, which can have a major impact on communication, creativity and easing of tension.

Colour
The human body reacts to the colour temperature of light. While cooler, blueish light colours activate, warmer, reddish light colours have a soothing effect. A study carried out in cooperation with the Fraunhofer IAO shows that a user’s colour preferences vary depending on age, working hours and individual needs.

Time
By mimicking the natural dynamics of daylight, artificial lighting complements and supports one’s internal clock.
“Slotlight infinity draws on Zumtobel’s lighting expertise and Arup’s multi-disciplinary engineering, lighting, architecture and design know-how. The result is a continuous vein of light that provides the designer with a kit of light and control gear options in a truly integrated, low energy solution.”

Consulting by Arup, Stephen Philips

ARUP

zumtobel.com/slotlightinfinity
With SLOTLIGHT infinity, Zumtobel provides architects and designers with a tool for consistently linear design with high precision. Light is now available as a continuous light line: nearly endless, up to 50 metres in length, without any butt joints and with uniform illumination even around corners. In the ceiling, on the ceiling or suspended from the ceiling: the SLOTLIGHT infinity light line stays true to the principle of the perfect line, no matter how it is installed.
SLOTLIGHT infinity for the planner
Sky Studios, London | GB
Architecture: Arup Associates, London | GB
Photo: Simon Kennedy
Aishti Foundation, Beirut | LB
Architecture: Adjaye Associates, London | GB
SLOTTED infinity for the planner
Light line flush with the ceiling

SLOTLIGHT infinity
It has never been easier to shape such a perfect light line without a cover frame. SLOTLIGHT infinity has been designed from scratch as a continuous light line for flush mounting with the ceiling. Any drywall builder will be perfectly familiar with the materials and methods that ensure a perfect transition between ceiling and luminaire. The luminaire’s linear design is continued in a precisely defined shadow gap. Problems with the formation of cracks are now a thing of the past as well, as the luminaire is technically and thermally separated from the ceiling by a mounting frame. The final result is a high-grade lighting solution meticulously integrated into the interior design, which appears as a fully consistent light line to the beholder.

Drywall builders know all about this way of working. The recessed channel is plastered over for a perfect transition between the luminaire and the ceiling or the wall. The degree of protection is IP20 from above and IP54 from below. The standard luminaire is therefore suitable for outdoor use and for specification in damp rooms or hospitals.
**From inside to outside**

A wealth of possibilities

SLOTLIGHT infinity light lines with IP54 protection are resistant against spray water and dust. This means that they can also cope with the special conditions encountered in sheltered outdoor areas. The high degree of protection improves the durability and extends the service life of luminaire, while also making it possible to provide continuity between the lighting for indoor and outdoor areas.

A SLOTLIGHT infinity perfectly integrated into concrete is an elegant and architecturally sophisticated solution for corridors and circulation areas. Luminous corner connections open up whole new dimensions in design. The moulding channel, which is available in lengths of one, two, three or four metres, ensures precise and flush installation in concrete ceilings and walls.
Multifunctional sports complex, Saarbrücken | DE
Architects: scholl architekten, Stuttgart | DE
Lighting Solution Partner: Eldom GmbH, Saarbrücken | DE
Direct distribution

SLOTLIGHT infinity surface-mounted and pendant luminaires

As surface-mounted or pendant luminaire, SLOTLIGHT infinity achieves a completely new dimension of linearity: it is three-dimensional, linear and yet dynamic. In order to ensure material and colour consistency, the luminaire channel, front-end cap and cover sheet are made of powder-coated aluminium. Individual luminaries can be ordered easily with a single article number and are individually packed. Continuous rows are put together on site using several individual luminaries. Both the individual luminaire and the light line can be suspended using Zumtobel’s tried-and-tested cord suspension kits.
SLOTLIGHT infinity knows how to take light round the corner, its illuminated L-connectors opening up new scope for creative design. Room geometries can be made clear more effectively, room zones can be redefined, and corner areas can be brought into sharper focus using light. The 90° angle modules are not merely connectors; they blend in as an integral part of the luminaire, their consistent, virtually end-to-end illumination being just as perfect as the dead straight light lines.
Direct-indirect distribution

SLOTLIGHT infinity pendant luminaire

SLOTLIGHT infinity with direct-indirect distribution delivers a luminous flux of 4500 lumens per metre as both a single luminaire and a geometrically formable light line. The lighting components can be switched and dimmed separately to help create the right light for a wide range of activities and applications. Uniformly bright ceilings can be achieved with a space of just 30 centimetres between the luminaire and the ceiling. Proven SLOTLIGHT infinity features like the endless optics and luminous corner connectors further enhance the creative freedom of the pendant luminaire, which is available in white, silver and black.
SLOTLIGHT infinity for the planner

SLOTLIGHT infinity slim

SLOTLIGHT infinity ID
for offices:
direct 30 %, indirect 70 %
UGR < 19 and 65° < 3000 cd/m²
with office optic

SLOTLIGHT infinity DI
with glare reduction:
direct 70 %, indirect 30 %
UGR < 19 with office optic
The entire spectrum of light

Optics and distribution characteristics change, the design remains.

**Opal cover**

The diffuse distribution lens distinguishes a SLOTLIGHT infinity as a simple and efficient light line with an homogeneous appearance. The application area ranges from reception areas, to corridors, to lounge areas and break-out zones.

**Cover for the office**

With this cover, SLOTLIGHT infinity reduces the glare to UGR < 19 and thus ensures workplace lighting in accordance with EN12464:2011. The brilliantly appearing luminaire is ideal for offices, schools and meeting rooms.

**Decorative wall washer**

The asymmetric distribution of the SLOTLIGHT infinity illuminates vertical wall areas or pictures evenly and, as a result, enhances traffic zones, for example. As the reflector is inside the luminaire, the wall washer is not recognisable as such from the outside.

**Wall washer for school blackboards**

With a higher lumen package, the SLOTLIGHT infinity wallwasher for blackboards is the ideal solution for visual tasks in schools. Aligned to suit the most common blackboard formats, this wallwasher measures three or four metres in length and lights up the vertical board area with 500 lx and a uniformity of 0.7, in accordance with the standards. The homogeneous appearance is not disturbed by components that stick out in some way.
Roosendaal Hospital | NL
Architecture: MAS Architectuur, Rotterdam | NL
Elektroinstallateur: TES Installatietechniek, Tilburg | NL
**One unit, visually and functionally**

Light line and ceiling system

Modular ceiling systems and SLOTLIGHT light lines fit together perfectly: the surface is totally flat, each element is precisely positioned. The absolutely homogeneous light line forms an important foundation for an uncluttered ceiling appearance – even if various building services are integrated in the ceiling system. The cable channels are available as recessed luminaires and height-adjustable individual luminaires at a length of 1.20 m (suitable for standard ceiling modules M600) or in metre segments (250 mm increments from 1 m).
Recessed luminaires and height-adjustable individual luminaires:
Length 1.20 m – suitable for standard ceiling modules (M600)

Light line as cable channel in metre segments:
250 mm increments from 1 m
The simple configuration has a system

SLOTLIGHT infinity light lines

SLOTLIGHT infinity luminaire channels are already completely assembled and wired in the factory, fitted with control gear and loop-through wiring. On site, only the LED battens have to be fixed and the optic of the roller blind pressed in.

Online Configurator
A SLOTLIGHT infinity lighting solution can be configured quickly with an easy to use interface on the Zumtobel website. Simply enter the dimensions of the desired light line and the configurator compiles a complete itemised list of components – for a linear light line as well as for light lines around corners, in U-shape or O-shape.

zumtobel.com/slotlightinfinity

The data can be exported in Excel or PDF format.
Standard LED batten

Standard recessed channel*

Wall washer batten

Cable channel*

Standard surface-mounted channel*

Pendant luminaire*

direct-indirect distribution

Standard surface-mounted channel*

with cord suspension

Opale optics
(from the roll)

Office optics
(from the roll)

Blind optics
(from the roll)

Presence detector and daylight sensor

Wall washer optics
(from the roll)

*incl. control gear an loop-through wiring
Plan, order, install, think in metres

A new flexibility with SLOTLIGHT infinity

With SLOTLIGHT infinity, light lines have achieved an absolutely new dimension of simplicity and flexibility: No longer subject to the fluorescent lamp standard lengths, the new LED light line skilfully guides the light through the room and even around corners as a perfectly designed recessed or surface-mounted luminaire. Designing and ordering the light line is quite easy and can be made in metres, according to requirements. This applies to the luminaire length as well as to illuminance levels or luminaire efficiency. As the LED light line is cut to standardised lengths in steps of 250 mm, it can be perfectly adjusted to the room dimensions.

1 m LED batten
1700 lumens *

* The lumen figures relate to light lines with direct distribution and an opal diffuser (PC) and a light colour of 4000 Kelvin.
Standard lengths for LED battens

- 1000 mm, 1700 lm *
- 750 mm, 1275 lm *
- 500 mm, 850 lm *
- 250 mm, 425 lm *

Example:
Special length of 500 mm + 62.5 mm

For an even more precise adaptation of the light line to the room dimensions, lengths starting from 250 mm in increments of only 62.5 mm are available as special design.
**The drywall builder**

High-precision work made really easy

Drywall builders know all about this way of working: the recessed channel is plastered over for a perfect transition between the luminaire and ceiling or wall. The degree of protection from above is IP20 and from below IP54. The standard luminaire is thus already suitable for outdoor use, for use in wet rooms or hospitals.

Thanks to SLOTLIGHT infinity, the former interplay between the drywall builder and the electrical installer required for installing a light line is now a thing of the past. Installation of the recessed luminaire now requires no more than one mounting step to be performed by each craftsman: first, the mounting frame is attached to the ceiling by the drywall builder. Only after the final painting of the ceiling does the electrical installer come in.
1. Mark the position of the luminaire and cut out the ceiling aperture.
2. Flush-mount the frame on the front sides, then insert the longitudinal sides and push into position using the spacer.
3. Insert the U-shaped plaster brackets for fastening the recessed channel, position them at predefined spacings and tighten screws from below.
4. Apply filler to fasten the mounting frame and smoothly grind the ceiling.
5. The drywall builder's work is now done, the ceiling just needs to be painted. Now it's the electrical installer's turn.
The electrical installer

Metre after metre in next to no time

Quick, simple and without mistakes: Tried and trusted assembly steps and the clear separation of drywall construction and luminaire installation save considerable time during installation and reduce the risk of errors. This method ensures a lasting ceiling appearance without any cracks. SLOTLIGHT infinity has been designed to be completely Plug & Play, which means that nothing more than a screwdriver is required. Therefore, as a first step, the luminaire channel is simply inserted into the mounting frame and fastened to the U-shaped plaster bracket using the slotted disk. Then the LED batten is pushed into place, the mechanical connection is completed, and through-wiring is effected by connecting all seven poles via one plug only.

The luminaire channel has already been electrified and fitted with all light sources, control gear and through-wiring have already been integrated as well.

For a quick mechanical and electrical connection of continuous row channels and corner luminaires, the connector is simply moved to the right position and screwed on, before the 7-pole plug is inserted.
Continuous units of up to 50 metres

Infinite optic

The optic of SLOTLIGHT infinity is supplied as a continuous diffuser roll – for easy installation of a continuous LED light line by one person only. The rolls are available in various different lengths. They can easily be cut to length with a box cutter. The diffuser is made of unbreakable and flexible PC, black sealing rims protect the luminaire’s interior against the accumulation of dust. The luminaire is protected against dirt by a blue protective film until completion of construction work.

A front-end piece skilfully hides the end of the diffuser, while at the same time providing sufficient space for thermal expansion. Cracks in the ceiling around the luminaire caused by temperature fluctuations are thus a thing of the past.
The blue protective film protects the luminaire against dirt until completion of construction work.
**Complete solution**

Emergency lighting and sensors

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**Wall mounting**

A new feature is that SLOTLIGHT infinity can also be installed vertically and thus in any position. For vertical installation in the wall, simply attach the wall mounting springs available as accessories in the channel and then press in the LED batten. The new type of installation provides the possibility to draw a continuous line from the ceiling into the wall.

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**Emergency lighting**

To use SLOTLIGHT infinity as an emergency luminaire with a central battery power supply, technical channels and surface-mounted, recessed or pendant luminaires can simply be fitted with the appropriate control gear. For a self-contained solution, the 2-metre channel of the SLOTLIGHT infinity can be supplied with power locally via an NT3 single battery.
Presence detectors and daylight sensors

Presence detectors and daylight sensors that can be positioned at the start or end of every batten increase comfort and energy efficiency. Thereby, one or more SLOTLIGHT infinity luminaires can be switched on or off and dimmed from 100 to 1 percent without additional light control. The sensors are suitable for typical heights of 2.5 to 6 metres and have an average detection range of 8 to 10 metres. Both the delay time as well as the detection range can be adjusted manually.
**Refurbishment of SLOTLIGHT I and SLOTLIGHT II light lines**

Refurbishment Kit

The perfectly continuous LED light line available today was made possible by its predecessors SLOTLIGHT I and II. Due to installation of T16 fluorescent lamps or diffusers in a row, the consistent appearance was broken by butt joints or dark spots. The refurbishment kit now allows easy conversion from a conventional solution to an efficient and consistent LED solution. No modifications are made to the ceiling or luminaire housing – only the LED batten luminaires and electrical wiring are replaced and securely sealed using a new diffuser.

**92 lm/W SLOTLIGHT Refurbishment Kit**

**41 lm/W SLOTLIGHT T16**

**Extremely efficient**
Compared with a T16 continuous-row system with 41 lm/W, SLOTLIGHT II LED provides a luminaire efficiency of 92 lm/W or more.
**SLOTLIGHT infinity slim**

Extremely narrow LED light line

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Consistently precise light lines are modern architecture lighting tools. SLOTLIGHT infinity slim is one third slimmer again than the standard family. As 45 mm slim design element, SLOTLIGHT infinity slim has the potential for virtually unlimited creativity: The functional lighting tool can also be very elegantly integrated in jointed ceilings.

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**SLOTLIGHT infinity slim**

<table>
<thead>
<tr>
<th>Designs</th>
<th>Linear and corner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lengths</td>
<td>Starting from 1 m in 250 mm increments</td>
</tr>
<tr>
<td>Installation</td>
<td>Recessed, surface-mounted and pendant</td>
</tr>
<tr>
<td>Optics</td>
<td>Opal cover, office cover, wallwasher cover</td>
</tr>
<tr>
<td>Colour temperatures</td>
<td>2700 K, 3000 K, 4000 K</td>
</tr>
<tr>
<td>Lumen packages</td>
<td>1700 lumens/metre with the opal optic (4000 K)</td>
</tr>
<tr>
<td></td>
<td>1600 lumens/metre with the office optic (4000 K)</td>
</tr>
</tbody>
</table>
Moldova Business Center, Iași | RO
Lighting design and electrical consultants: H&D Cons, Bucharest | RO
Architecture: V5A, Bucharest | RO
Electrical installation: DAS, Iași | RO
**Seamless lines**

SLOTLIGHT infinity is the world’s first continuous light line: up to 50 metres in length, completely without shadows, interruptions and gaps. The unique design guarantees perfect integration into plasterboard ceilings and ceiling modules.

**Versatile use**

A modular system with a range of different installation options, designs, optics and light colours makes the SLOTLIGHT infinity a universal lighting solution. With optimum glare suppression (UGR < 19, L65 < 3000 cd/m²), the office optic satisfies the requirements for EN 12464-compatible lighting.

**Easy planning**

Light lines measuring one metre and longer can be ordered with specific lengths at 250-millimetre intervals to simplify individual planning. Special designs offer even greater flexibility, enabling lengths to be freely defined in steps of 62.5 millimetres.

**Easy to install**

Thanks to the new design of the SLOTLIGHT infinity recessed luminaire, drywall builders and electricians can carry out their work independently of each other. The electrician only needs a screwdriver to install the luminaire.

**Plug & Play**

The integrated through-wiring reduces installation work to a minimum. Click-in LED battens deliver additional time savings. DALI addressing also takes no time at all, as a 4-metre channel only requires one converter.
SLOTLIGHT infinity
Recessed, surface-mounted and pendant luminaire

Overview SLOTLIGHT infinity

Installation SLOTLIGHT infinity
- Ceiling surface-mounted
- Recessed (ceiling or wall)
- Pendant, direct distribution
- Pendant, direct-indirect distribution
- Technical channel

Installation SLOTLIGHT infinity slim
- Ceiling surface-mounted
- Ceiling recessed
- Pendant, direct distribution

Optics
- Opal cover
- Office cover
- Decorative wall washer

LED light colour
- 3000 K warm white
- 4000 K neutral white
- 3000 K – 6000 K tunableWhite
- RGB/W

Versions
- IP54 Degree of protection
- NT3 Emergency lighting function with self-contained battery supply
- BWS Ball-proof
- PST Sensor Presence and daylight sensor

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

We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. 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

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.

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