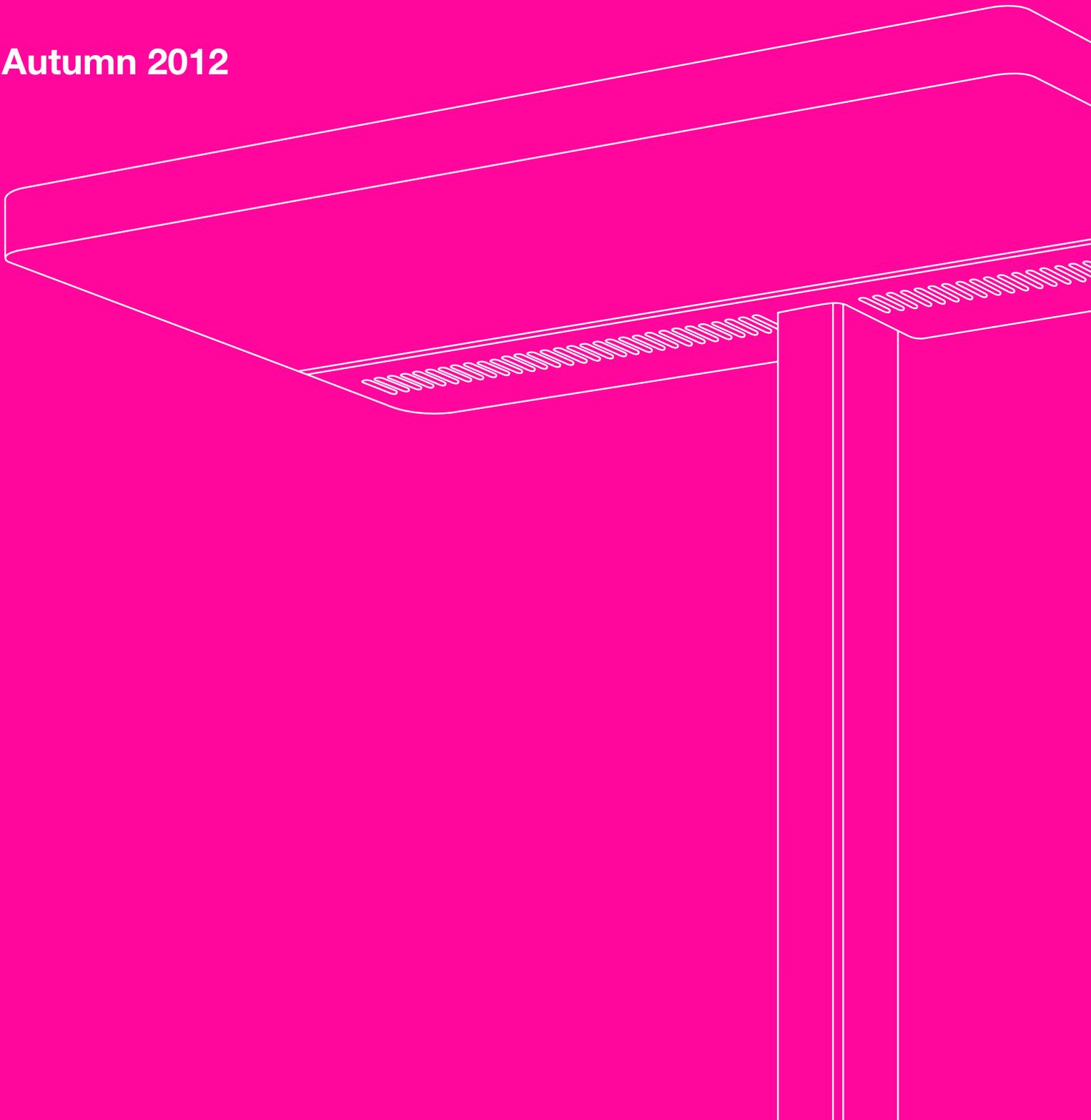


highlights

**Product Innovations and
Additions**

Autumn 2012



- 1 **DISCUS** Evolution
- 2 **SFERA**
- 3 **SWARMCONTROL**
- 4 **CAPA**
- 5 **OPURA**
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- 11 **MICROS** LED update
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1

DISCUS Evolution LED spotlight system

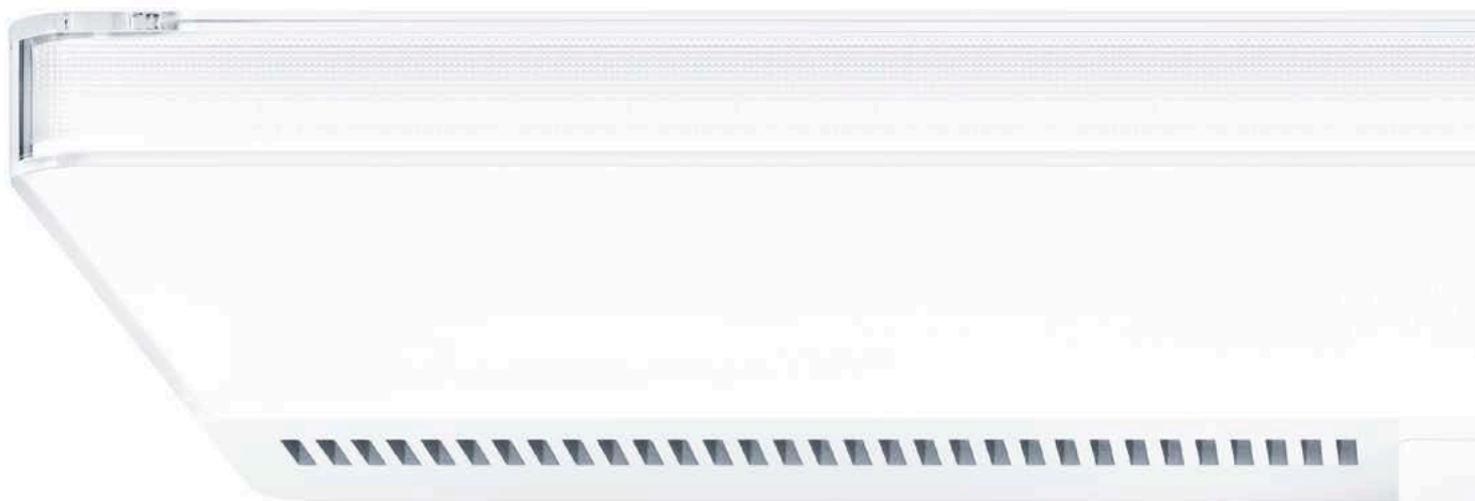
DISCUS Evolution has evolved from consistent development work, perpetuating the success story of the DISCUS spotlight range. Perfect adjustment of the LED light source and the optic has resulted in a contemporary, minimalist and even flatter design. The spot's innovative thermal management featuring a passive cooling system is an integral part of the design concept. The four different lens optics – spot, flood, wideflood and oval, in colour temperatures ranging from 3,000 K to 4,000 K – can be replaced quickly without the use of tools, emphasising the flexible application of DISCUS Evolution.

The new DISCUS Evolution with its high quality accent lighting and excellent colour rendering, achieves twice the luminous flux and efficiency of its predecessor. With luminous flux levels of up to 2,300 lumens, DISCUS Evolution is an alternative to HIT systems with up to 42 W and halogen systems with up to 100 W – while consuming up to 25% less energy than HIT, and 68% less than halogen. The light is dimmed directly on the spotlight or via DALI control commands; both these methods have a positive impact on energy consumption. DISCUS Evolution is available with a white or black housing, and can be installed on a track or recessed.

DESIGN EOOS
zumtobel.com/discus







2

SFERA

Free-standing LED luminaire with SWARMCONTROL

The SFERA free-standing LED luminaire has set new standards on account of its flexibility, adaptability and individual lighting quality at the workstation. It provides perfect light while meeting the highest demands in terms of energy efficiency. This is made possible by combining SENSCONTROL III with the new, innovative SWARMCONTROL technology, which is used in this luminaire for the very first time:

- SWARMCONTROL is the latest feature developed to cope with more exacting requirements in the working environment. Even in case of frequent changes to the room layout, this technology allows to provide constantly good, adjustable light for every staff member. The control system is based on automatic configuration of the free-standing luminaires in an office to form a swarm, and on the luminaires' synchronisation with each other.
- SENSCONTROL III is the latest version of Zumtobel's adaptive lighting management system that individually adjusts the quantity of light to the respective room situation and the user's needs.

Thanks to the patented MPO+ optic, the luminaire ensures glare-free lighting, which is especially useful for computer work. Luminous flux levels of approx. 6,300 lumens, a low installed load of approx. 70 W and LEDs with a service life of as many as 50,000 hours* make this luminaire particularly sustainable. The light-weight and transparent appearance of the luminaire head emphasises the contemporary design of SFERA.

DESIGN Julian Lonsdale, Zumtobel
zumtobel.com/sfera

* LED service life: 50,000 h, until luminous flux is reduced to 70%





SWARMCONTROL
High degree of flexibility, intelligent lighting management

- Automatic configuration of a group of luminaires to form a swarm
- Intelligent provision of light based on a given situation

SENSCONTROL III
Daylight-based lighting management

- Measurement of lighting quantities and automatic adjustment of luminous flux
- Direct adjustment options for individual lighting management

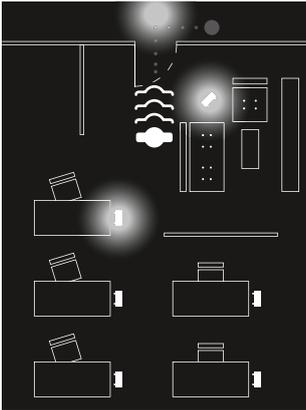
3

SWARMCONTROL

Revolutionary technology for increased flexibility and customised lighting

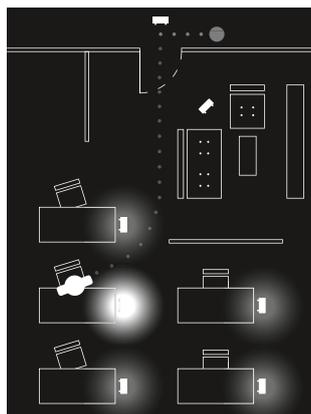
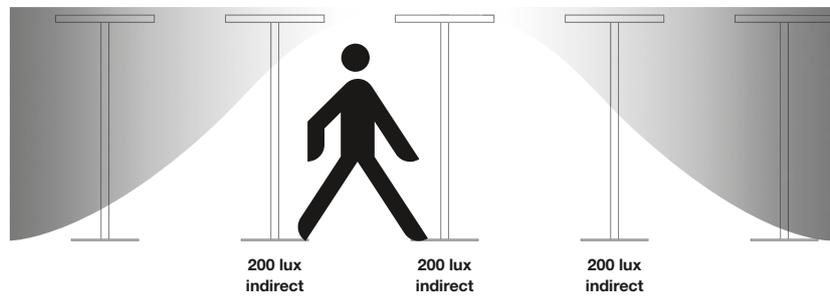
SWARMCONTROL provides two key functions – the corridor function and the presence-based function. The corridor function makes people feel safe and helps them find their way. The luminaires are dimmed up successively thanks to a built-in presence detector, showing people their way to the workstation. At the workstation, the presence-based function ensures ideal lighting conditions with a mean illuminance level of up to 500 lux. Yet every staff member can adjust the lighting quantity at any time to suit his/her personal preferences. Via radio signals transmitted to the luminaire's neighbouring luminaires, a so-called light cloud is created that conjures up a pleasant atmosphere in the room. Over and above this, an ideal lighting situation is guaranteed that provides greater visual comfort for the various tasks to be fulfilled and has a positive impact on the staff members' performance.

No additional software is required for configuration of the luminaires. Even if the workstations are rearranged in the office, SWARMCONTROL can adjust the lighting to the changed room situation.



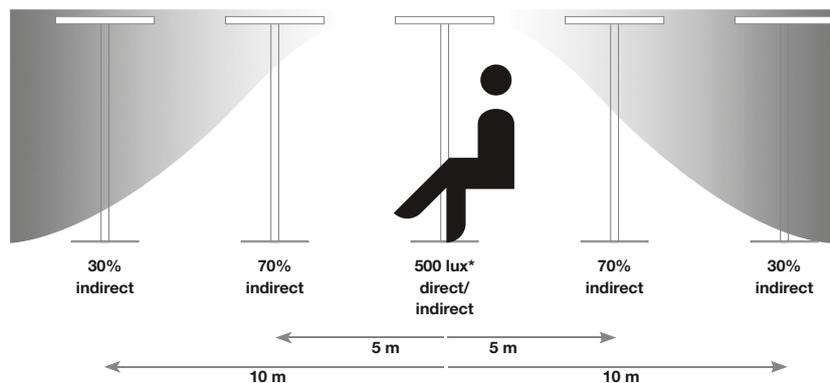
The corridor function – showing the way

The corridor function helps individuals feel safe and directs them to where they want to go. Thanks to a built-in presence detector, the luminaires are dimmed up to 200 lux (indirect) successively, signalling the corridor mode to neighbouring luminaires and thereby reliably directing people to their individual workstation.



Presence-based function – the light cloud

At the workstation, the presence-based function ensures ideal lighting conditions with a mean illuminance level of up to 500 lux. Via radio signals transmitted to the luminaire's neighbouring luminaires, a so-called light cloud is created that conjures up a pleasant atmosphere in the room.



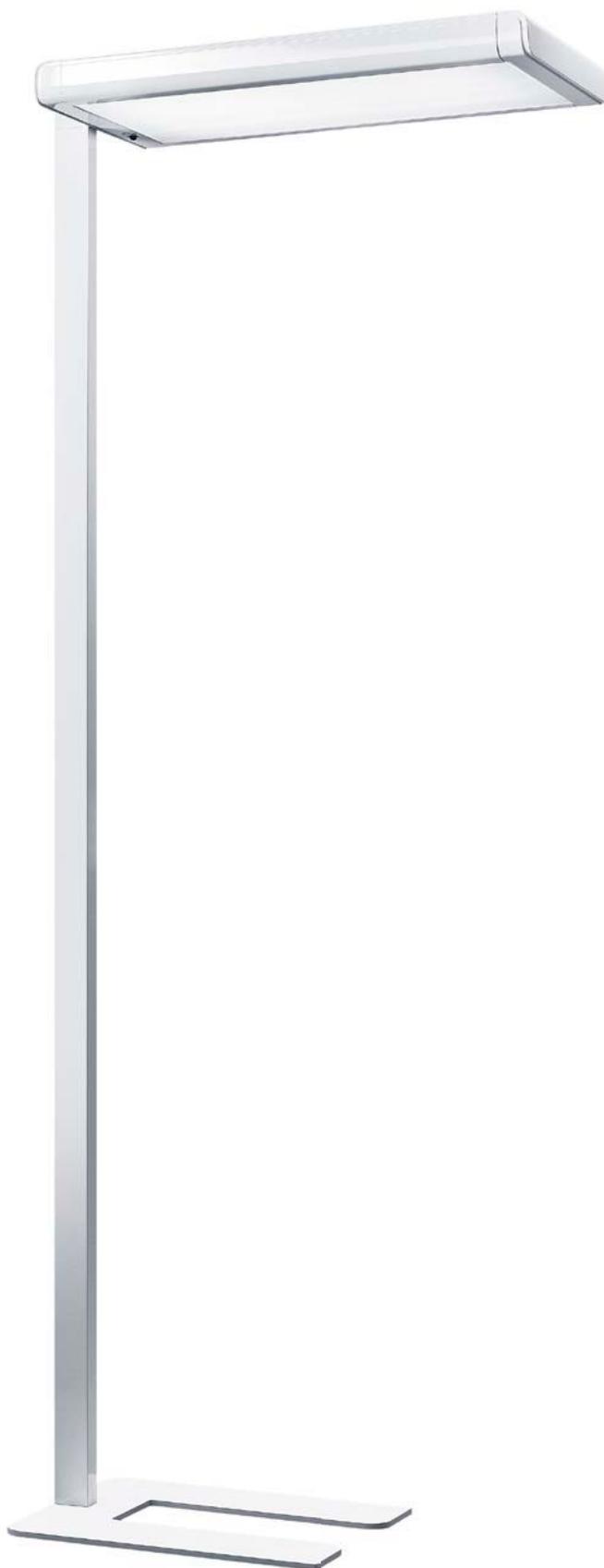
* based on the quantity of daylight available

4

CAPA
Free-standing luminaire

The new CAPA free-standing luminaire combines the benefits of state-of-the-art LED technology with the flexibility of mobile task luminaires. This slender free-standing luminaire boasts efficiency of 90 lumens/watt, ranging on the same level as high-quality ceiling-mounted LED luminaires. CAPA's maximum overall efficiency is based on its large direct component of 47 percent and the luminaire's luminous flux of 6,800 lumens. Intermediate white 4,000 K, good colour rendering (Ra 80) and the LRO luminance-reducing optic make the modular system for perfect lighting conditions complete. In addition, CAPA features SENSCONTROL II.

DESIGN Titus Bernhard Architekten
zumtobel.com/capa



5

OPURA

Free-standing luminaire

Increased efficiency at maximum visual comfort and flexibility: the latest generation of OPURA LED and hybrid luminaires has increased its performance while cutting energy consumption. Luminaire efficiency in excess of 88 lm/W and a luminance level of up to 3,000 cd/m² make this microprismatic LED luminaire stand out as a first-rate task luminaire. With standby consumption of 0.2 W and a Senscontrol II control unit, the separately controllable direct and indirect luminaire saves energy as part of its daily routine.

DESIGN ON3D

zumtobel.com/opura



6

XPO

Miniature LED shelf lighting system

Thanks to tiny dimensions of just 7 mm in height and 11 mm in width, XPO can be invisibly integrated into shelves. Brilliant LED light combined with a specifically developed shelf optic sets high-quality products centre stage gently and authentically. In addition, XPO provides maximum flexibility, since it is available for 600 mm, 1,000 mm and 1,200 mm shelves. Individual presentation using a variety of light colours is ensured both by the Stable White model, which is available in light colours 2,700 K, 3,000 K, 4,000 K and 5,000 K, and the Selectable White model, where the light colour can be varied between 3,000 K, 4,000 K or 5,000 K, according to requirements. Thanks to quick no-tool installation directly on the shelf, high efficiency of up to 72 lm/W and a long service life, XPO is an effective and efficient solution for presenting goods in supermarkets.

zumtobel.com/xpo



7

TECTON LED Efficiency upgrade
Continuous-row lighting system



The TECTON continuous-row lighting system is hard to beat in terms of versatility and flexibility. With up to 104 lumens per watt, the latest TECTON LED generation has increased its economic efficiency even further. With this efficiency increase of more than 25%, the system is available with all four optics – wide beam, narrow beam, shelf beam and asymmetric beam – performing a wide variety of tasks. This increased efficiency combined with minimum maintenance effort make TECTON LED the perfect choice for demanding lighting requirements in retail areas, logistics and industry in particular.

DESIGN Billings Jackson Design
zumtobel.com/tecton

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TECTON Basic LED
Continuous-row lighting system



With the introduction of the Basic model, another LED version is added to TECTON, the most versatile continuous-row lighting system available on the market. TECTON Basic was especially developed for specifications with reduced requirements, thus allowing the use of Zumtobel LED technology in areas in which conventional solutions had to be used until now. With an LED batten luminaire that has been simplified in terms of technology and optics, TECTON Basic LED features luminous flux of more than 4,800 lm and efficiency of about 85 lm/W, and is especially suitable for less complex lighting tasks in industry and retail. The luminaire is based on the tried-and-tested TECTON trunking ensuring easy installation, flexible use and nearly unlimited upgrading options.

zumtobel.com/tecton

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ZX2 LED
Flexible lighting system



With ZX2 LED, Zumtobel extends its LED portfolio for continuous-row lighting systems. ZX2 LED is a simple and economically efficient alternative suitable for a wide range of lighting tasks that require no special optics. With luminaire efficiency of more than 85 lm/W at luminous flux of 4,800 lm, the high-output ZX2 LED luminaire is maintenance-free and cannot fail to impress with a guaranteed service life of 50,000 hours. The luminaire has

been especially developed for use in retail spaces and production sites. Thanks to the system's compatibility, existing installations fitted with T16 luminaires can be replaced with an LED solution quickly and without any tools.

zumtobel.com/zx2

10

PANOS Infinity surface-mounted
LED downlight range



The most efficient, versatile and photometrically advanced LED downlight range available on the market now features yet another asset: with immediate effect, two surface-mounted models or surface-mounted housings are available for PANOS Infinity recessed luminaires. The classic surface-mounted cylinder boasts a minimalist design, making the white housing with a total height of only 206 mm blend stylishly and discreetly into the architecture. The downlight's external dimensions are increased by the square surface-mounted housing with a clear, geometric design, whose total height of only 122 mm make it part of the interior design. Installation and connection features of the housing and the standard luminaire are perfectly matched. The same technical lighting and decorative accessories are available as for recessed luminaires.

DESIGN Christopher Redfern
zumtobel.com/panosinfinity

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MICROS LED update Downlight range



The latest model of the small MICROS LED downlight presents itself with a significantly higher output. With luminous flux of 670 lumens, the luminaire is an alternative to low-voltage halogen systems up to 50 W used for a wide variety of functional and decorative applications. MICROS LED comes not only as a fixed and gimbal-mounted model but also as a swivelling model, extending the range's area of application. Thanks to a new protective cover, which increases the luminaire's protection rating to IP 44 when used in closed ceilings, MICROS LED can now also be used in hotels and wellness areas. Over and above this, MICROS LED products offer maximum flexibility with various colour temperatures (3,000 K and 4,000 K), beam angles (spot and wideflood) as well as a wide range of switchable and dimmable control gear.

zumtobel.com/micros

12

ONLITE look web app App



With ONLITE look, Zumtobel provides a wide range of LED escape sign luminaires. The new ONLITE look app gives users an extensive overview of the complete product range, and helps them to find the right escape sign luminaire in just a few steps. On pictures and in videos the luminaires are shown in their respective application, providing the user with extra information on innovative features and technical details. Data sheets, installation instructions, accessory lists, technical drawings, photometric data as well as certificates can be easily accessed at any time and can even be transmitted directly via e-mail.



zumtobel.com/onlitewebapp

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QUICKCALC mobile App



With immediate effect, the mobile version of our intuitive QUICKCALC lighting calculation programme is now available at any time, anywhere. Zumtobel's tried-and-tested QUICKCALC system has been optimised for mobile terminal devices. This ensures that users can now make calculations directly at construction sites and also when they are in the office. Based on product data available in the mobile electronic catalogue, it takes QUICKCALC mobile just a few simple steps to calculate how many luminaires are needed for any room size to achieve the required illuminance level, or to calculate the illuminance level achieved by a given number of luminaires.



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