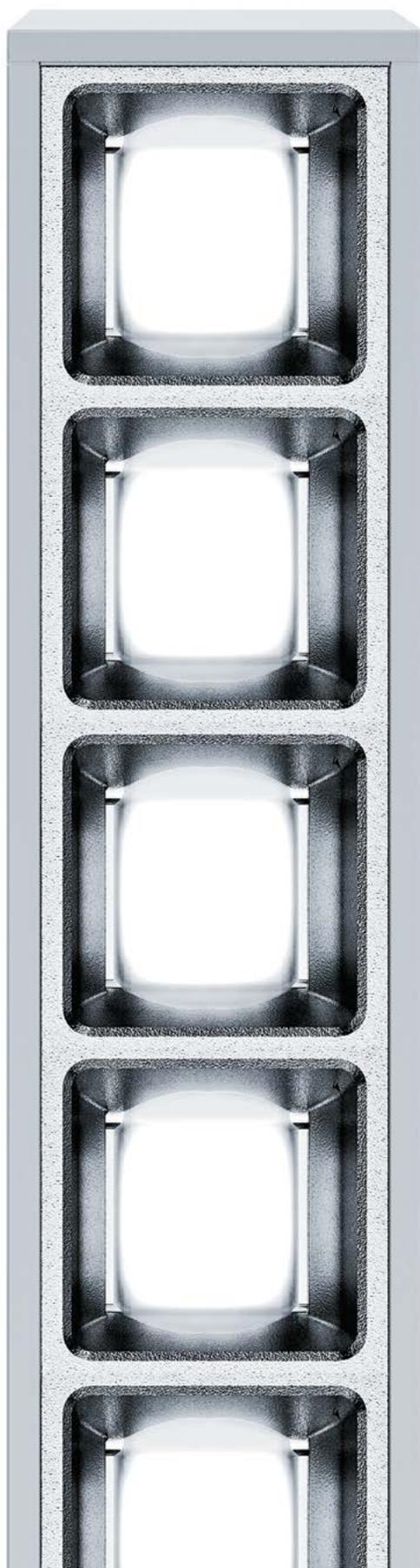




ZUMTOBEL



LINCOR

Pendant LED luminaire

Indirect/direct light at the highest LED level: slim, convenient and efficient.





Symantec Offices, Dubai | AE
Lighting design: Acoulite Trading L.L.C, Dubai | AE
Electrical consultants: Acoulite Trading L.L.C, Dubai | AE

LINCOR design

Convenience and efficiency in a square design



LINCOR With its slim and unobtrusive design, the LINCOR LED luminaire draws an elegant line through the room, its contemporary minimalism enhancing room axes and architectural concepts. Arranged as a double-length light line or a continuous-row system, it is an expression of maximum linearity. Efficient LED technology takes full effect in a section of only 63 mm square – resulting in high-quality indirect/direct lighting.

LINCOR LED pendant luminaire with Darklight optic.
Actual size shown.



Maximum performance from minimum space

LINCOR lighting technology

Suspension Thanks to flexible, vertically and horizontally adjustable cord suspension, LINCOR lines consisting of individual luminaires or arranged as continuous rows, can be easily and precisely aligned.

Converter Dimming means added convenience and is at the same time the most effective method for saving energy and costs. As standard, LINCOR luminaires are DALI-dimmable from 10% to 100%.

Light direction Thanks to the close collaboration of lighting engineers and designers, the indirect light component can now be directed upwards to optimum effect despite the small dimensions. By way of a continuous light conductor, it is uniformly emitted from the luminaire and distributed on the ceiling.

LED module The self-cooling LED module with indirect/direct light distribution is fully optimised to the lighting technology. Therefore, powerful lumen packages can be produced from small dimensions with colour rendering of Ra80 and a long service life of 50,000 hours, at a decrease in luminous flux to 90 percent.

Minicells The LED lighting points directed downwards are first homogenised in a primary mixing chamber, after which the light is directed to the task areas most effectively and with perfect glare control.

As an alternative, LINCOR is also available with luminance-reducing optic (LRO): consistently prismatic lighting technology perfectly resolves the LED lighting points and at the same time reduces glare at steep angles of view.



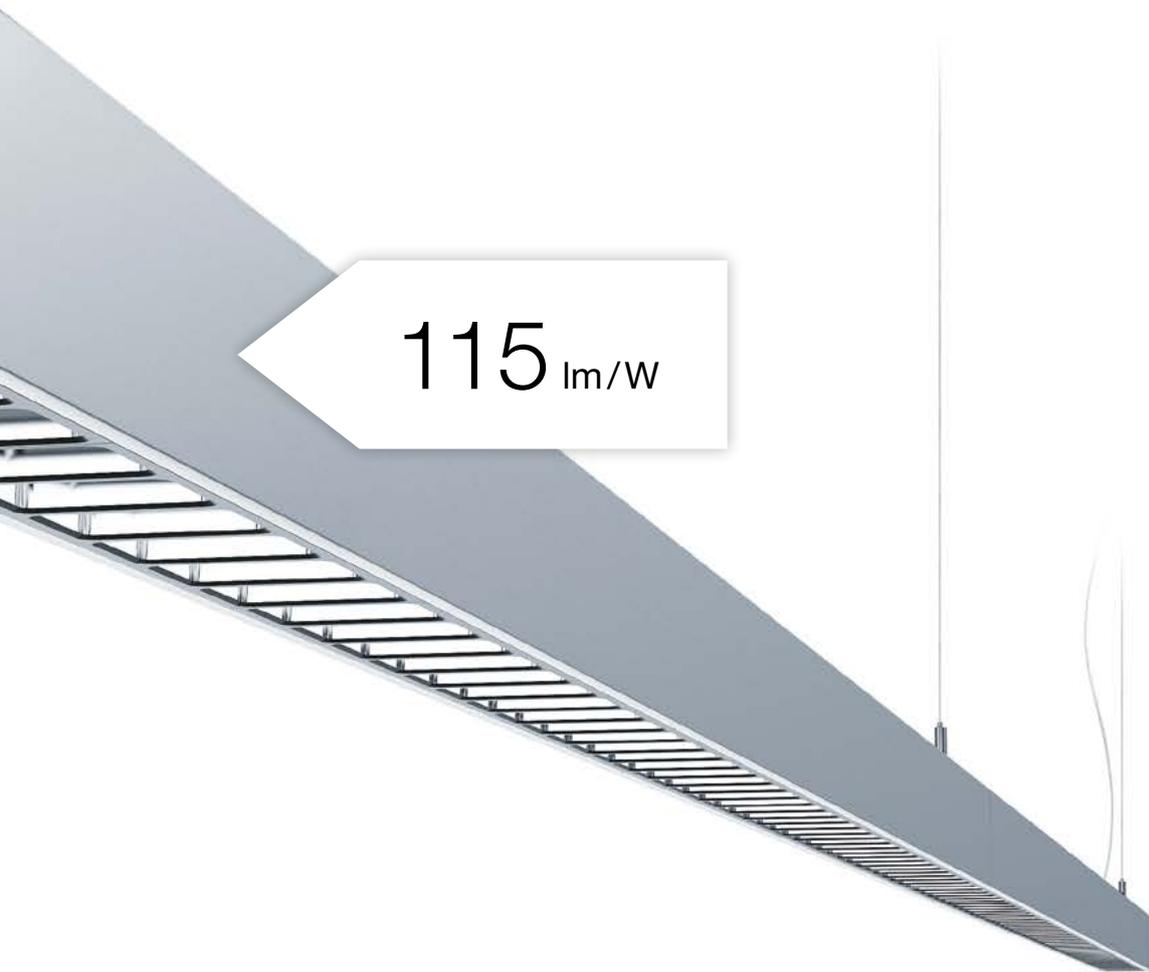
All good things come in threes: increasing luminaire efficiency using innovative LED technology – increasing a room's lighting quality using additional indirect light – and eliminating compromises in terms of design. The innovative LINCOR lighting technology (patent pending) meets each one of these requirements with minimum dimension. The luminaire's sustainability and user convenience are supported by the following figures: luminaire efficiency of up to 115 lumens per watt, colour temperatures of 3000 K and 4000 K, and a large direct light component of 83%.



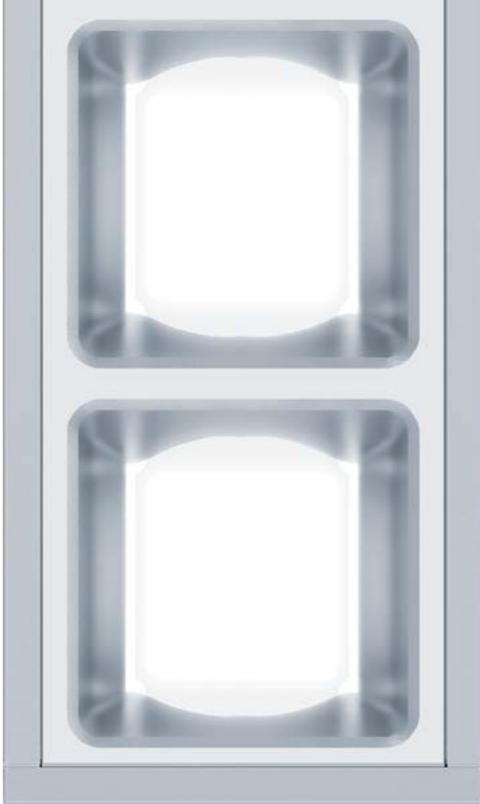
Ceiling rose The ceiling rose can be easily levelled by means of a screw-type flange with a large elongated opening that adjusts measuring and angle tolerances.



LINCOR is optionally available with **pull switch** and cord suspension that can be shifted continuously in a longitudinal direction (available in Sweden, Norway and Denmark).

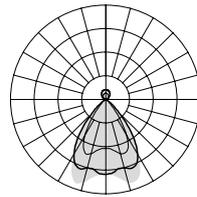


115 lm/W

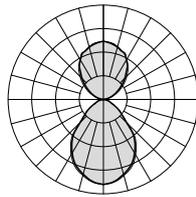


Small in size, big in appeal

LINCOR minicells



LED minicells The LINCOR LED minicells coated with high-purity aluminium combine optimum glare control with maximum efficiency. The two versions meet different requirements: the matt Comfort cell makes direct light safely visible. The luminaire appears as a uniformly illuminated light line enhancing architectural structures to optimum effect. In contrast, the highly specular darklight cell hides the direct light component. Thus, LINCOR provides optimum glare control and lets the light flow into the room from a hidden source.



LRO Thanks to the luminance-reducing optic, LINCOR can be used even more flexibly: harsh shadows in task areas and annoying reflections are effectively reduced by prismatic lighting technology. Hence, interior design possibilities are virtually boundless. Luminaires and workstations can be arranged independently of each other.

Linear versatility

LINCOR luminaire range



The product range's large choice of options ensures maximum flexibility for the illumination of offices. LINCOR, which has so far been available as a pendant luminaire in various lengths, has now been supplemented with a single-length and double-length surface-mounted version. Boasting a bright colour scheme and stylistic idiom, this straight-line element of design blends perfectly into modern architecture. All pendant luminaires are fitted with a simple yet elegant suspension assembly that facilitates fine adjustment of individual luminaires thanks to tolerance compensation.

LINCOR as a continuous-row system is suspended directly from the connectors. This reduces the number of visible suspension elements thus facilitating installation, which is made even easier by through-wiring. The LINCOR surface-mounted luminaire can also be easily integrated into the TECTON continuous-row lighting system.



Surface-mounted luminaires



Single length 1209 mm
Optionally available with TECTON trunking adapter



Double length 2407 mm

Pendant luminaires



LINCOR **single length** 1209 mm



LINCOR **double length** 2407 mm



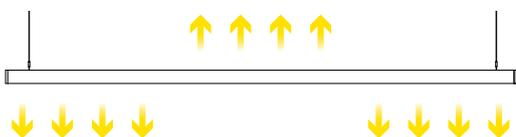
LINCOR **continuous-row system**

LINCOR CRF

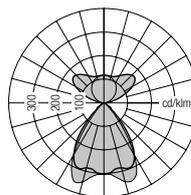
For improved contrast rendition



CRF pendant luminaire



The most recent addition to the versatile LINCOR product range is a double-length pendant LED luminaire focusing on superior lighting quality without reflected glare. LINCOR CRF provides indirect and direct lighting – however, the latter only from the laterally arranged light emitting areas. Thanks to a central part from which no light is emitted downwards, the luminaire meets the highest demands regarding contrast rendition, even where placed directly above the workstation; it avoids annoying reflections on glossy surfaces and is therefore ideally suited for working at tablet PCs. Thanks to a special lens, the ceiling is uniformly brightened up by indirect light distribution. LINCOR CRF is available with a matt Comfort optic or a highly specular Darklight optic, and with a colour temperature of either 3000 K or 4000 K.



LINCOR CRF pendant luminaire



Quality and efficiency in team offices

LED compared to fluorescent lamps



The LINCOR pendant LED luminaire cannot fail to impress with its unobtrusive design that enhances architectural concepts with slim light lines. Arranged as a continuous-row system in an office, it allows many application options as well as flexible arrangement of workstations. Aluminium-coated minicells ensure perfect light distribution and glare control. The large direct component, combined with excellent luminous efficiency of 113 lumens per watt, optimises the energy balance. Additional savings are possible thanks to LINCOR's dimmability, which considerably reduces costs incurred by an additional lighting management system. As LINCOR's indirect light component is uniformly emitted from the luminaire, visual comfort is increased due to the resulting gentle brightening of the ceiling.

Underlying conditions

Existing luminaires

24 pendant luminaires 2 x 58 W T26 VVG

18 downlights 2 x 18 W TC-DEL

Luminaire luminous flux: 8818 lm

Luminaire luminous efficacy: 74 lm/W

New luminaires

24 LED pendant luminaires LINCOR DI C

18 LED downlights PANOS evolution

LINCOR luminaire luminous flux: 4890 lm

LINCOR luminaire luminous efficacy: 113 lm/W

Lighting management system

DIMLITE 4-channel multifunction control device

with daylight linking and presence control.

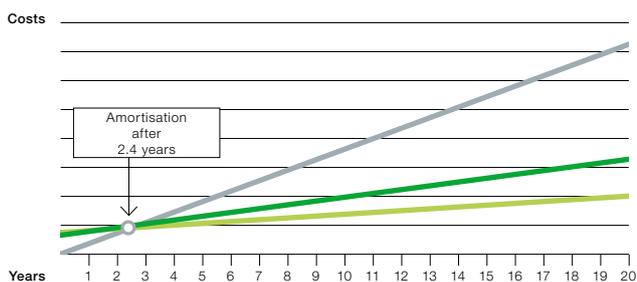
CIRCLE control unit.

Calculation period

20 years

All calculations are based on an annual increase in energy and operating costs of 5 %.

Amortisation of costs



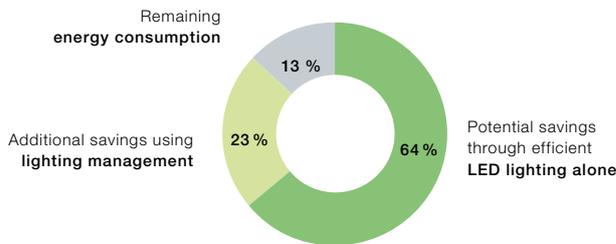
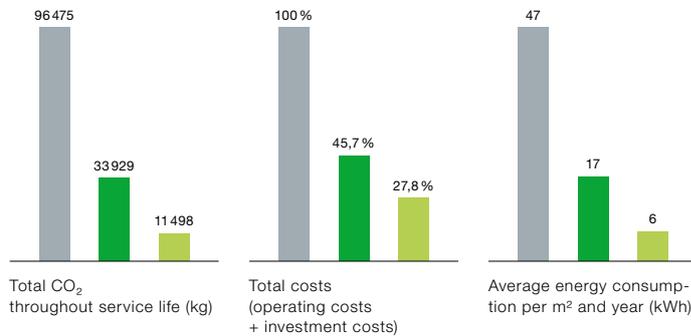
■ Formerly used 2x58 W T26 luminaires

■ LINCOR LED

■ LINCOR LED + lighting management



Energy consumption and costs:



- Formerly used 2 x 58 W T26 luminaires
- LED lighting
- LED lighting + lighting management



Enhancing people's sense of well-being
Thanks to a perfect ratio of direct and indirect lighting without reflected glare, the LINCOR pendant luminaire creates an open room impression with well-balanced shadows and pleasant ceiling lighting.



Creating identity
The luminaire's stylistic idiom, its straight-line element of design combines perfectly with a sophisticated architecture project. Lighting scenes can be adjusted to individual requirements and to the activities performed in the room.



Reducing costs
The luminaire's highly efficient light distribution using LED minicells is optimised even further by the DIMLITE lighting management system.



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

zumtobel.com/ebox

Emergency lighting **Central supply**

In order to achieve a uniform ceiling look, the emergency lighting system is integrated into the general lighting system. Separate emergency luminaires are therefore not required. For centrally supplied systems, LINCOR is available as an emergency luminaire to be controlled and monitored individually, for which no additional modules are required. In case of emergency, the luminaire is operated at reduced luminous flux, thus ensuring emergency lighting in conformity with applicable standards while maintaining all general lighting functions. Designing general and emergency lighting is thus made easier; costs and effort are reduced.



ONLITE RESCLITE

Using a power LED and four sophisticated optics, RESCLITE paves the way to a new era of emergency lighting.

zumtobel.com/resclite

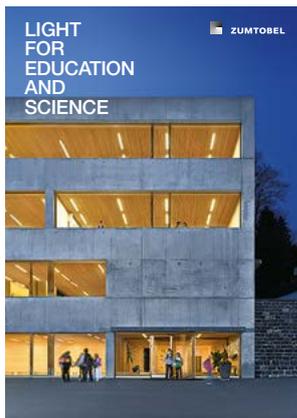
Emergency lighting **Self contained supply**

Alternatively, an LED-only lighting solution can be created by combining LINCOR luminaires for general lighting with RESCLITE emergency luminaires. The lighting designer may use emergency luminaires independently of the general lighting system. With its wide-angle and rotationally symmetrical light emission, the RESCLITE antipanic luminaire is able to illuminate very large areas in a uniform way. Even one single luminaire is enough to provide orientation for an area of 170 m² or make escape routes and obstacles visible.

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



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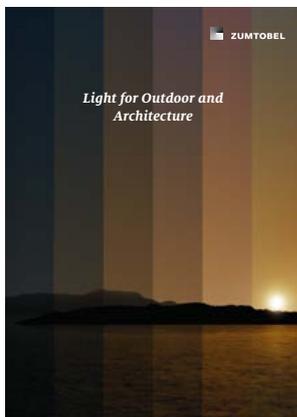
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- **Offices and Communication**
- **Education and Science**
- **Presentation and Retail**
- **Hotel and Wellness**
- **Art and Culture**
- **Health and Care**
- **Industry and Engineering**
- **Outdoor and Architecture**
- **Living**

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

5
YEAR GUARANTEE

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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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



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



Luminaires with extra protection



Façade, media and outdoor luminaires



Lighting management systems



Emergency lighting

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