



CREDOS

LED-Downlight

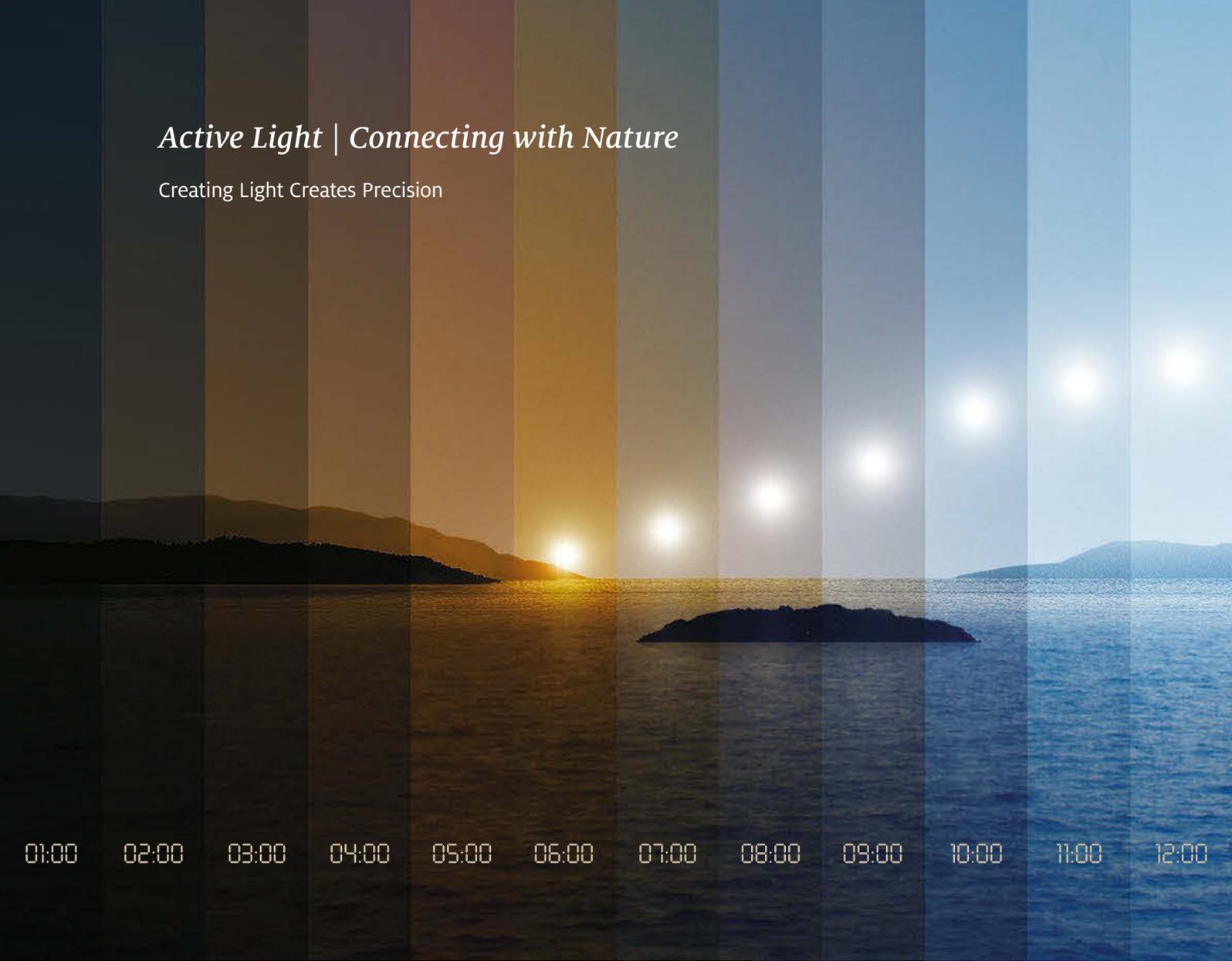
Compact, simple, economically efficient.

[linked](#)

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

Active Light | Connecting with Nature

Creating Light Creates Precision



Active Light in industry is as unique and dynamic as the employees, the processes and the layout of different production halls. Human Centric Lighting puts the focus of the lighting design firmly on the individual. Visual, emotional and biological needs are fully supported by a blend of Active Light and additional workplace-oriented lighting for work during the day and the night. This approach also facilitates accurate working and improved quality. Pioneering lighting solutions with Activity-Based-Lighting use innovative sensor technology to automatically adapt to the specific situation.

See here how Active Light works:
zumtobel.com/activelight



Intensity

Dynamically adjusted lighting levels help employees with their regular visual tasks. Active Light helps reduce error rates and increase worker safety.



Direction

Uniform and shadow-free illumination minimises glare – even with glossy surfaces. Adjusting the direction of the light towards the visual object with Active Light enhances quality. Precise work is promoted and fatigue is simultaneously kept to a minimum.



Colour

Active Light means tailoring light colours to reflect age, user preference and working hours, increasing wellbeing and boosting employee productivity.



Time

Artificial light based on the natural course of the day helps support the internal clock. Luminaires controlled by sensors, which only switch on when light is required, reduce costs and minimise energy consumption.

CREDOS

Simply efficient

The compact LED downlight combines efficiency and functionality with an attractive look. By using latest-generation LEDs, CREDOS achieves the same levels of performance as downlights fitted with compact fluorescent lamps up to 2/32 W – but consumes minimal energy.

With dimmable lumen packages of 1000, 2000 and 2600 lumens, CREDOS provides pleasant and uniform general lighting in public buildings, offices, hotels and wellness areas, as well as in shops and department stores. In closed ceilings, the downlight offers IP44 protection and can therefore also be used in areas with extra protection requirements.

Another plus point: CREDOS has a service life of 50 000 hours with a decline in luminous flux of no more than 20 % and is therefore also specially recommended for areas where there are very extended operating hours.



Swiss Ornithological Institute Sempach, Sempach | CH
Architects: Leuenberger Architekten AG, Sursee | CH
Electrical project design: Bahler AG, Kussnacht | CH
Electrical installation: Elektro Illi AG, Willisau | CH



CREDOS

Advanced LED technology



Cantonal Hospital, Aarau | CH

Electrical project design: Hefti, Hess, Martignoni,
Aarau | CH

Electrical installation: Etavis, Baden | CH

Premium

This downlight features CREE Chip on Board technology and impressive performance with very good lighting quality and good colour rendering (Ra 80). A diffuser panel ensures uniform light distribution. CREDOS is available in colour temperatures of 3000 K and 4000 K, depending on the desired room ambience.

Efficient

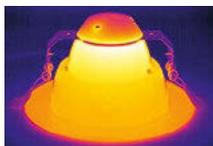
With a luminaire efficiency of up to 100 lumens per watt, CREDOS is significantly more efficient than conventional downlights fitted with fluorescent lamps or tungsten-halogen lamps.

Dimmable

Each CREDOS downlight is available as both a switchable and DALI-dimmable variant.

Durable

With its service life of 50 000 hours at 80 % luminous flux, the CREDOS downlight can be considered maintenance free – it is also covered by Zumtobel's 5 year guarantee. This durability is based on an innovative aluminium housing with a design that combines passive thermal management with compact dimensions.



CREDOS | Thermal infrared image



Christuskirche Church, Heinsberg | DE

Architects: Rongen Architekten GmbH, Wassenberg | DE

Lighting project design: Planning Office TGA Stickel, Heinsberg | DE

Electrical installation: Groob Elektro GmbH & Co KG, Huckelhoven | DE

CREDOS R150 LED 1000 lm

Power consumption

10,5 W LED

Luminous flux/luminaire efficiency

1000 lm

95 lm/W

CREDOS R150 LED 2000 lm

Power consumption

20 W LED

Luminous flux/luminaire efficiency

2000 lm

100 lm/W

CREDOS R150 LED 2600 lm

Power consumption

25,5 W LED

Luminous flux/luminaire efficiency

2600 lm

102 lm/W

CREDOS

No-tool installation



CREDOS R150
Aluminium coloured reflector insert, matt finish



CREDOS R150 with surface-mounted housing
Highly specular aluminium-sputtered reflector insert



Ceiling mounting

CREDOS is supplied as a fully assembled, pre-cabled luminaire with a recessed gear box for direct connection to the mains supply. A spring catch mechanism on the housing fixes the downlight in the ceiling – simply and securely. Thanks to the compact luminaire housing, the diameter of the ceiling cut-out can vary from 150 to 175 mm, making the LED downlight very flexible in the case of refurbishment projects, too.

Surface-mounting

The surface-mounted luminaire is the perfect solution in all areas where recess into the ceiling is either impossible or undesired. All CREDOS standard luminaires can easily be fitted into the housing available as an accessory for mounting on the ceiling.

Reflector inserts

With two different reflector inserts, CREDOS also satisfies exacting glare-control requirements. The reflectors are installed quickly without the use of any tools by clicking them into the luminaire.

CREDOS R / E

CREDOS R150 LED



- Compact LED ceiling-recessed luminaire providing a symmetric, wide-beam light distribution
- Aluminium and sheet-steel luminaire housing
- White trim
- Passive thermal management achieved by optimum design of luminaire housing
- With white reflector (glare control: UGR < 26)
- PC reflector inserts for improved glare control in matt aluminium-look finish, or highly reflective aluminised coating available as an optional accessory; please order separately
- Reflector insert can be fitted easily and without tools using click-fit mechanism
- Complete model consists of luminaire and ballast unit (switchable) or (LDO: dimmable Dali only/switchDim)
- 50000 h service life at 80 % luminous flux
- Colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: intermediate)
- Luminaire efficiency: up to 102 lm/W (depends on lamp type)
- Luminaire luminous flux: 1000 lm (10,5 W), 2000 lm (19 W), 2600 lm (25,5 W)
- Colour rendering index: Ra > 80
- 3-pole connection terminal with plug connection, 5-pole (dimmable Dali only), through-wiring possible
- Protection class II
- Mains voltage: 220–240 V / 50/60 Hz
- Ceiling cutouts: Ø 150–175 mm
- Two fixing clips provided for tool-free installation in ceilings of thickness 1–25 mm
- IP44 when installed in closed ceilings
- Please note: if using luminaire unit with motion detector, the motion detector must have a relay-switched output
- Please go to the main product name in the online catalog to find the latest power consumption figures based on continuous improvements in efficiency

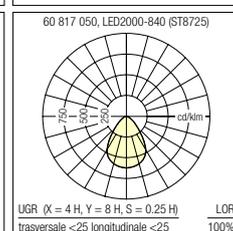
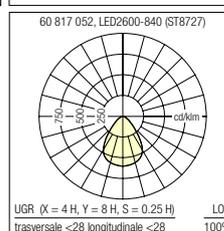
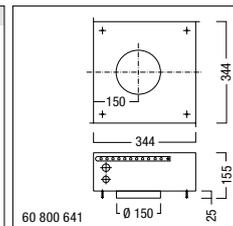
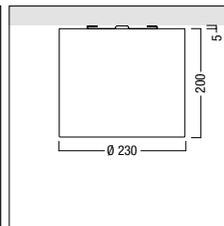
	RD/RØ	kg	Order no.	Order no.
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Ceiling-recessed LED luminaire

LED1000-830	99/150	0,6	60 817 047	60 817 053
LED1000-840	99/150	0,6	60 817 048	60 817 054
LED2000-830	99/150	0,6	60 817 049	60 817 055
LED2000-840	99/150	0,6	60 817 050	60 817 056
LED2600-830	99/150	0,6	60 817 051	60 817 057
LED2600-840	99/150	0,6	60 817 052	60 817 058

Accessory

Surface-mount housing, white, D= 230 mm, H = 205 mm	60 800 752
Concrete casting surround DA (R) = 150 mm, H = 155 mm (344), 3,3 kg	60 800 641
Reflector insert E(R)150 w. highly reflect. alum.-sputt. coating, RD/RØ 100/150	60 800 732
Reflector insert E(R)150, matt aluminium-look finish, RD/RØ 100/150	60 800 733



CREDOS R / E

CREDOS E150 LED

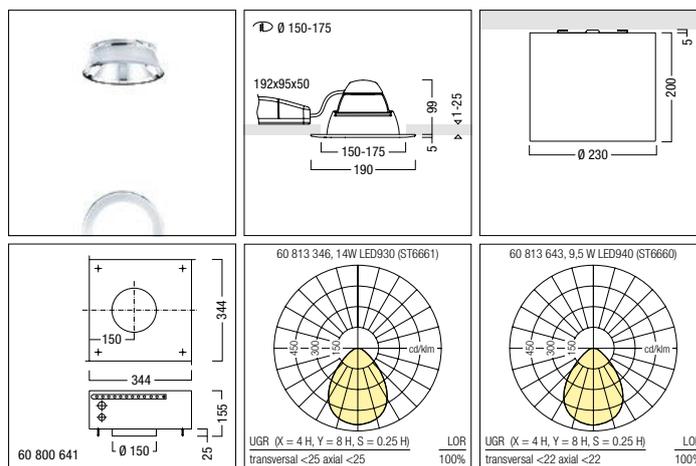


- Compact LED ceiling-recessed luminaire providing a symmetric, wide-beam light distribution
- Aluminium and sheet-steel luminaire housing
- White trim
- Passive thermal management achieved by optimum design of luminaire housing
- With white reflector (glare control: UGR < 26)
- PC reflector inserts for improved glare control in matt aluminium-look finish, or highly reflective aluminised coating available as an optional accessory; please order separately
- Reflector insert can be fitted easily and without tools using click-fit mechanism
- Service life: 50000 h at 70 % luminous flux
- Colour temperature: 3000 K (LED930: warm white) or 4000 K (LED940: intermediate)
- Luminaire efficiency: up to 76 lm/W (depends on luminaire type)
- Luminaire luminous flux: 1000 lm (14 W), 2000 lm (26 W)
- Colour rendering index: Ra 90
- Can be dimmed using standard commercial leading edge and trailing edge dimmers (please refer to installation instructions for specified types)
- Includes control gear
- Includes strain relief and 3-pole plug-in terminal
- Protection class II
- Mains voltage: 220–240 V / 50/60 Hz
- Through-wiring possible
- Ceiling cutouts: Ø 150–175 mm
- Two fixing clips provided for tool-free installation in ceilings of thickness 1–25 mm
- IP44 when installed in closed ceilings
- Please note: if using luminaire unit with motion detector, the motion detector must have a relay-switched output
- Please go to the main product name in the online catalog to find the latest power consumption figures based on continuous improvements in efficiency

	RD/RØ	kg	Order no.
Ceiling-recessed LED luminaire			
14 W LED930	100/150	0,6	60 813 646
14 W LED940	100/150	0,6	60 813 649
26 W LED930	100/150	0,6	60 813 714
26 W LED940	100/150	0,7	60 813 715

Accessory

Concrete casting surround DA (R) = 150 mm, H = 155 mm (344)	3,3	60 800 641
Reflector insert E(R)150 w. highly reflect. alum.-sputt. coating, RD/RØ 100/150		60 800 732
Reflector insert E(R)150, matt aluminium-look finish, RD/RØ 100/150		60 800 733
Surface-mount housing, white, D= 230 mm, H = 205 mm		60 800 752



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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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