PRODUCT DATASHEET

DL UGR19 PFM DN155 14 W 830 WT IP54

DOWNLIGHT UGR19 | Low-glare downlights, suitable for computer screen workstations

AREAS OF APPLICATION

– Suitable for office applications, especially for computer screen workplaces
– Direct replacement for luminaires with compact fluorescent lamps
– Entrances / Hallways
– Bathrooms, kitchens and sheltered outdoor areas
– General illumination

PRODUCT BENEFITS

– Good glare reduction (UGR < 19) and cut off angle up to 30° for comfortable indoor lighting
– DALI 2.0 IoT driver already installed with individual luminaire current set-up (DALI version)
– Suitable for use in dusty and damp locations thanks to high IP rating

PRODUCT FEATURES

– Available in 2 versions: with on/off driver and with DALI 2.0 IoT driver
– Housing material: Aluminum mirror-fished reflector
– Type of protection: IP54 (room side) / IP20 (back side)
– Connector box with push wire terminal for tool-free connection
– Through-wiring possible

TECHNICAL DATA

Electrical data

Nominal wattage	14.00 W
Operating mode	External LED driver
Nominal voltage	220...240 V
Power factor λ	≥0.90
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	120
Max. no. of lum. on circuit break. C10 A	80
Max. no. of lum. on circuit break. C16 A	120
Inrush current	20 A
Total harmonic distortion	< 15 %
Inrush current time T_{h50}	200 µs

Luminaire control gear data

Low flicker	Yes
ECG - Length	114 mm
ECG - Width	45 mm
Ouput current	450 mA
ECG - Output ripple current	<10 %

Photometrical data

Color temperature	3000 K
Luminous flux	1500 lm
Luminous efficacy	105 lm/W
Standard deviation of color matching	≤5 sdcm
Light color (designation)	Warm White
Color rendering index Ra	≥80

Light technical data

Beam angle	65.00 °
UGR lateral	<19
UGR longitudinal	<19

Dimensions & weight
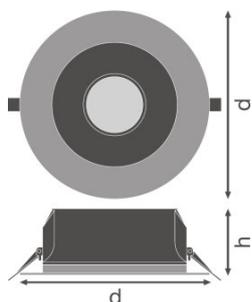
Diameter	180.0 mm
Height	65.0 mm
Product weight	650.00 g
Mounting diameter	155.0 mm

Colors & materials

Body material	Aluminum
Product color	White
Housing color	White
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C

Lifespan

Number of switching cycles	100000
Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	40000 h

Additional product data

Mounting type	Recessed
Mounting location	Ceiling
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC
Low flicker	Yes
Product remark	Available from September 2020

Capabilities

| Dimmable	No
Type of connection	Screwless terminal
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK03
Glow Wire Test according to IEC 695-2-1	650 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 0
Protection class	II
Type of protection	IP54/IP20
Standards	CE/CB/ENEC/TÜV SÜD/EAC/RoHS

Logistical data

Temperature range at storage	-40...+70 °C

Light Distribution
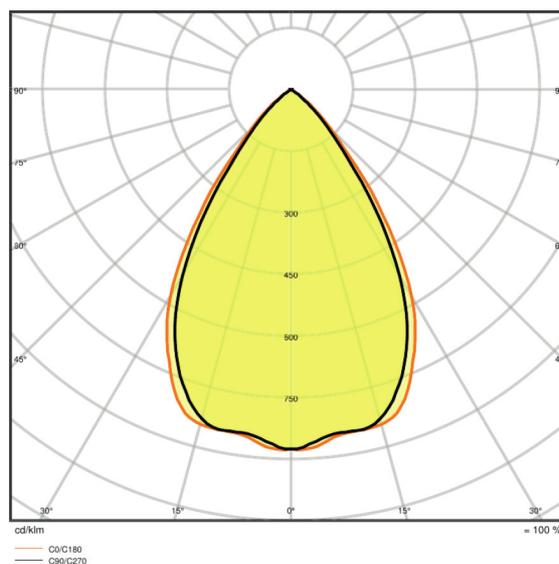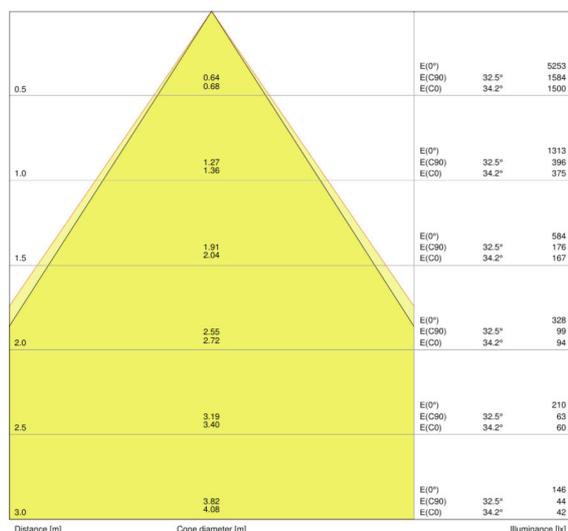
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EQUIPMENT / ACCESSORIES

– External control gear included

LOGISTICAL DATA

| Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075459137	Folding carton box 1	215 mm x 84 mm x 219 mm	850.00 g	3.96 dm³
4058075459144	Shipping carton box 24	526 mm x 449 mm x 468 mm	21806.00 g	110.53 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION
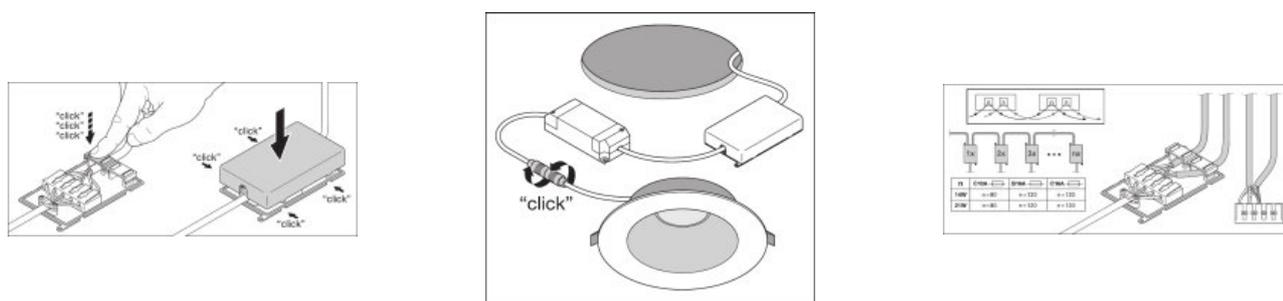
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