

PRODUCT DATASHEET

DL IP44 DN 165 13W 830 WT

DOWNLIGHT IP44 | Downlights with IP44 grade



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors
- Shops
- Bathrooms

Product benefits

- High luminous efficacy
- Very homogenous light
- Simple installation thanks to integrated driver

Product features

- Type of protection: IP44
- Luminous efficacy: 100 lm/W



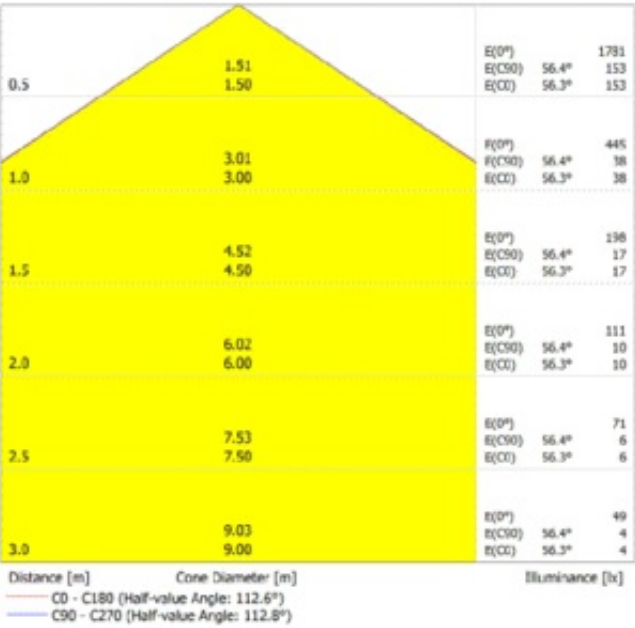
TECHNICAL DATA

Electrical data

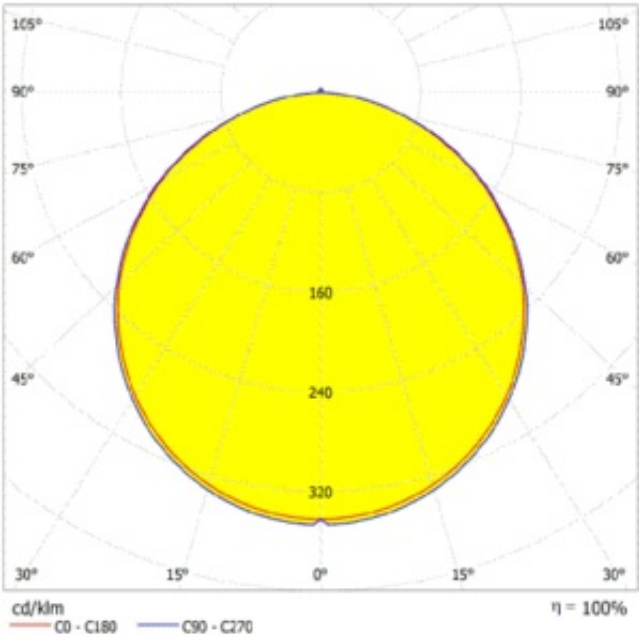
Nominal wattage	13.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100.000 mA
Inrush current	2,9 A
Inrush current time T_{h50}	250 μ s
Max. number of luminaires per miniature circuit breaker B16	112
Max. number of luminaires per miniature circuit breaker C10	60
Max. number of luminaires per miniature circuit breaker C16	96
Power factor λ	0.50
Total harmonic distortion	< 90 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	1300 lm
Luminous efficacy	100 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 °



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Dimensions & Weight

Diameter	165.00 mm
Height	42.00 mm
Product weight	140.00 g



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Materials & Colors

Product color	White
Housing color	White
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Cable, 2-pole
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	150 mm
Mounting depth	40 mm
Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	20000 h ¹⁾
Lifespan L80/B10 at 25 °C	18000 h ¹⁾
Lifespan L80/B50 at 25 °C	18000 h
Lifespan L90/B10 at 25 °C	15000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	95 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

Standards	CE / EMC / ROHS 2.0 / REACH
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Accessories Optional

Product image	Product name	EAN
	DL IP44 FRAME DN 165 WT	4058075709928

EQUIPMENT / ACCESSORIES

– Surface mounting frames available as accessories

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	DL IP44 DN 115 8W 830 WT
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	DL IP44 DN 115 8W 830 WT
 Legal information	DL IP44 DN WT
 Declarations of conformity	CE Declaration of Conformity DOWNLIGHT IP44 DN WT
 Declarations of conformity UKCA	UKCA Declaration of Conformity DOWNLIGHT IP44 DN WT

Photometric and lighting design files	Document name
 IES file (IES)	DL IP44 DN 165 13W 830 WT
 LDT file (Eulumdat)	DL IP44 DN 165 13W 830 WT

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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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.

A diagram of a continuous beam with three spans. The spans are labeled with dimensions: a for the first span, b for the second span, and g for the third span. The beam is supported by three vertical supports. The first span is the longest, followed by the second, and the third is the shortest.



Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.