

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



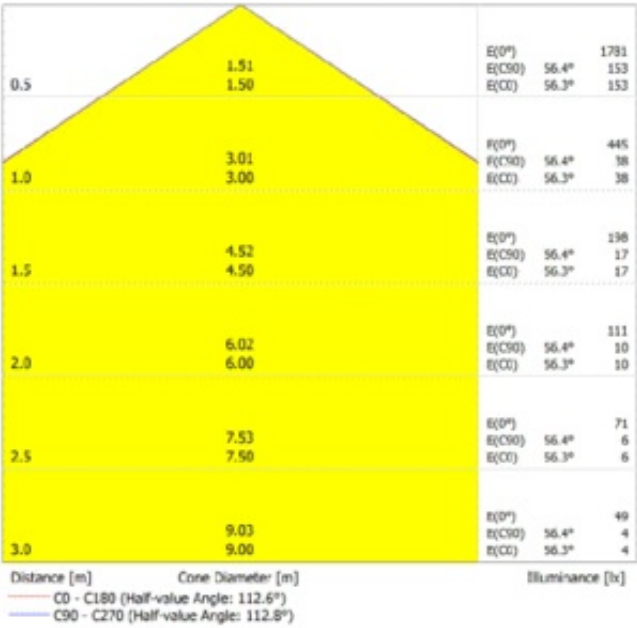
TECHNICAL DATA

Electrical data

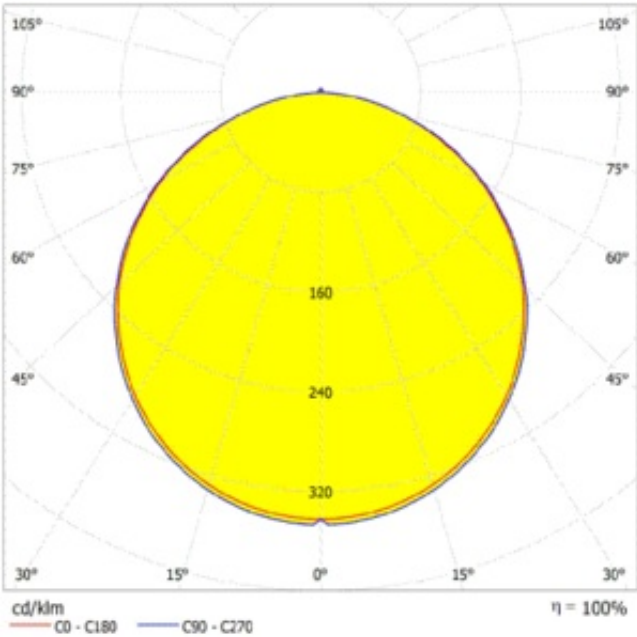
Nominal wattage	13.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100.000 mA
Inrush current	2.9 A
Inrush current time T_{h50}	250 μ s
Max. number of luminaires per miniature circuit breaker B16	112
Max. number of luminaires per miniature circuit breaker C10	60
Max. number 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 °



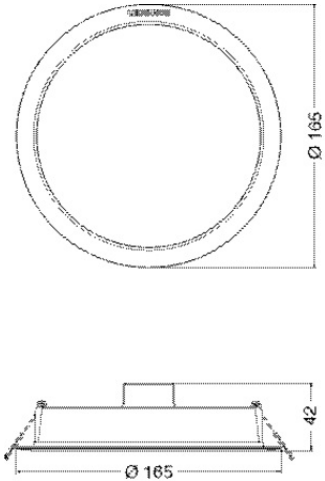
DL IP44 DN 165 13W



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Dimensions & Weight

Diameter	165.00 mm
Height	42.00 mm
Product weight	140.00 g



DL IP44 DN 165 13W

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

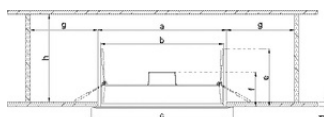
DOWNLOAD DATA

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
4058075703049	Folding box 1	170 mm x 51 mm x 170 mm	184.00 g	1.47 dm³
4058075703056	Shipping box 10	350 mm x 269 mm x 186 mm	2113.00 g	17.51 dm³

ADDITIONAL CATALOG INFORMATION



Model	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	g [mm]	h [mm]
DL IP44 DN20	0.75	0.58	0.90	3.25	68	40	>50	>70
DL IP44 DN115	0.100	0.80	0.115	3.25	68	40	>50	>70
DL IP44 DN165	0.115	0.143	0.165	3.25	68	40	>50	>70
DL IP44 DN190	0.165	0.188	0.190	3.25	68	40	>50	>70
DL IP44 DN215	0.200	0.194	0.215	3.25	68	40	>50	>70

DISCLAIMER

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