PRODUCT DATASHEET
DL IP44 DN 115 8W 865 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
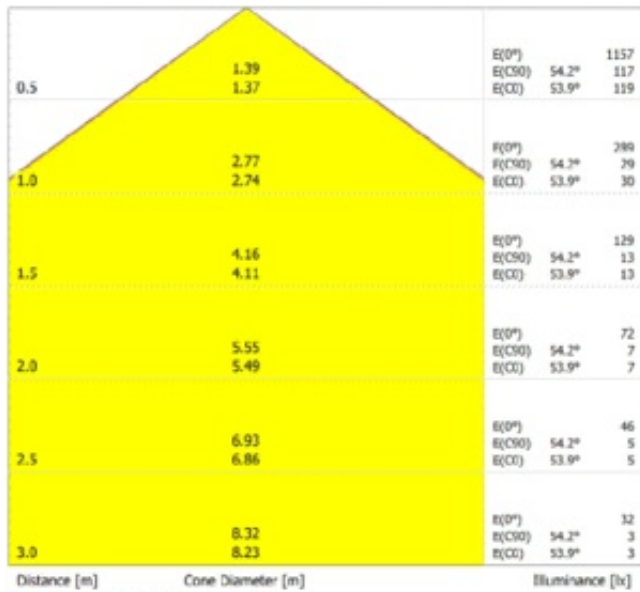
– Type of protection: IP44
– Luminous efficacy: 100 lm/W
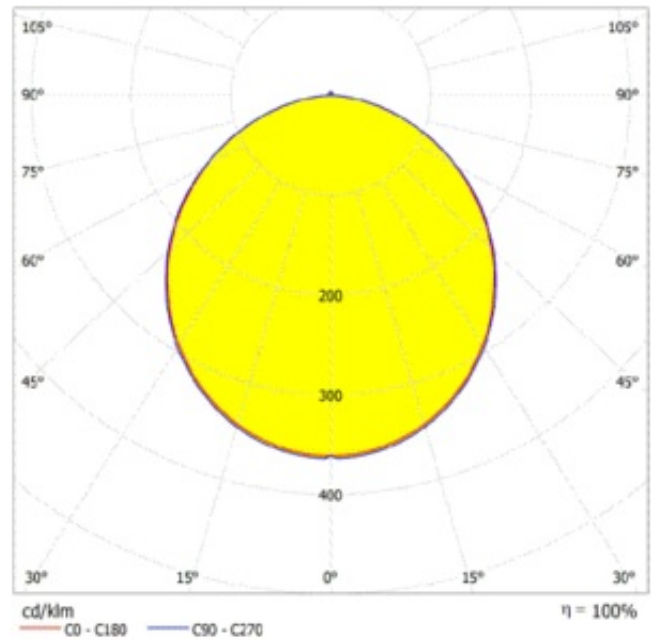
TECHNICAL DATA

Electrical data

Nominal wattage	8.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	60.000 mA
Inrush current	6.5 A
Inrush current time T_{h50}	250 µs
Max. number of luminaires per miniature circuit breaker B16	186
Max. number of luminaires per miniature circuit breaker C10	100
Max. number of luminaires per miniature circuit breaker C16	160
Power factor λ	0.50
Total harmonic distortion	< 80 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

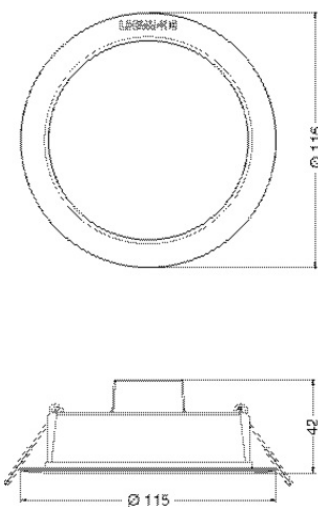|	
Luminous flux	800 lm
Luminous efficacy	100 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 °

Distance [m]	Cone Diameter [m]	Illuminance [lx]
0.5	1.39 / 1.37	E(0°) 1157, E(C90) 54.2° 117, E(C0) 53.9° 119
1.0	2.77 / 2.74	E(0°) 289, E(C90) 54.2° 79, E(C0) 53.9° 30
1.5	4.16 / 4.11	E(0°) 129, E(C90) 54.2° 13, E(C0) 53.9° 13
2.0	5.55 / 5.49	E(0°) 72, E(C90) 54.2° 7, E(C0) 53.9° 7
2.5	6.93 / 6.86	E(0°) 46, E(C90) 54.2° 5, E(C0) 53.9° 5
3.0	8.32 / 8.23	E(0°) 32, E(C90) 54.2° 3, E(C0) 53.9° 3

C0 - C180 (Half-value Angle: 107.8°)
C90 - C270 (Half-value Angle: 108.4°)

LDC typ cone

cd/klm   C0 - C180   C90 - C270   η = 100%

LDC typ polar

Dimensions & Weight

Diameter	115.00 mm
Height	42.00 mm
Product weight	70.00 g

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	100 mm
Mounting depth	40 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	20000 h [1]
Lifespan L80/B10 at 25 °C	18000 h [1]
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	60 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

EQUIPMENT / ACCESSORIES

– Surface mounting frames available as accessories

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

	Photometric and lighting design files

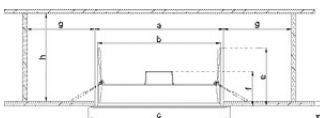|	CAD/BIM files
ZIP	BIM_Revit_3D
	CAD_STEP_3D

	Tender texts
	Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075703025	Folding box 1	120 mm x 51 mm x 120 mm	97.00 g	0.73 dm³
4058075703032	Shipping box 10	269 mm x 250 mm x 136 mm	1174.00 g	9.15 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

DISCLAIMER

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