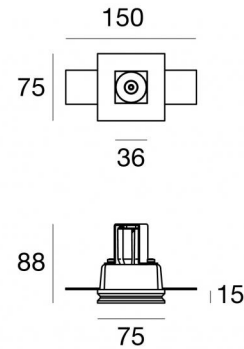


Gypsum Cell



Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90
64631W45



85

Technical data	
Type	Encasement without flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Medium Wide Flood
Light emission direction	downward
Nominal power	2 W DC
Source lumens	213 lm
Input voltage range	630mA
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP20
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.170 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.42 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	TVS

Finishing casing

Material	plaster
Colour	white







Finishing diffuser

Material	Polyamide
Colour	black

Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

Electronics

	89147 On/Off Driver 198-264V AC / 180-275V DC (1 - 2 art.)
	99105 On/Off Driver 198-264V AC (6 - 12 art.)
	99374 On/Off Driver 198-264V AC / 176-275V DC 75 W (1 - 37 art.)
	99710 1-10V Converter 24V DC (- art.)
	99713 DALI Converter 24V DC (- art.)
	99376 On/Off Driver 198-264V AC (3 - 6 art.)

Cables Electrification

Cable connector	No
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Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90 | Base
64631W45

Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 powerLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 213 lm, with a 106.5 lm/W nominal luminous efficacy.

The device body is made of plaster and features a white finish; the diffuser is made of polyamide. The ingress protection degree is IP20; the total weight is of 0.42 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 2 W. The power supply cable is included and features a 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 85 x 85 mm hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains a light source of energy efficiency class F.

Illuminotechnical Features

Light Output Ratio (LOR)	51 %
Source lumens	213 lm
Delivered lumens	110 lm
Consumption	2,0 W
Luminaire efficacy	55 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra

Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

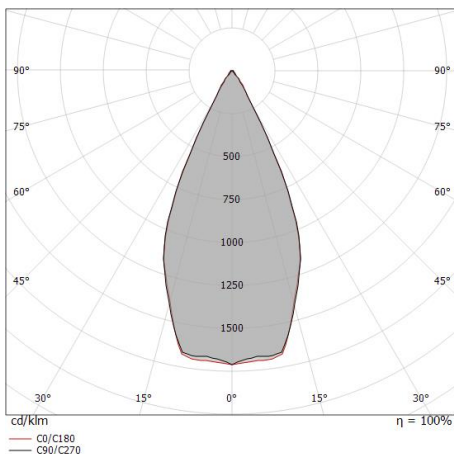
L70 B20 C0 214455h (at Tj 60 Ta 25)

UGR

UGR axial	14.8
UGR transversal	14.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

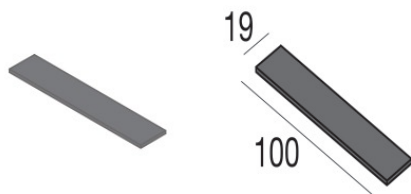
OPTICAL

C0/C180 optics	48°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.45 0.44	E(0°) 753 E(C90) 24.1° 287 E(C0) 23.9° 291
1.0	0.89 0.89	E(0°) 188 E(C90) 24.1° 72 E(C0) 23.9° 73
1.5	1.34 1.33	E(0°) 84 E(C90) 24.1° 32 E(C0) 23.9° 32
2.0	1.79 1.77	E(0°) 47 E(C90) 24.1° 18 E(C0) 23.9° 18
2.5	2.24 2.22	E(0°) 30 E(C90) 24.1° 11 E(C0) 23.9° 12
3.0	2.68 2.66	E(0°) 21 E(C90) 24.1° 8 E(C0) 23.9° 8

— C0/C180 (Half-peak divergence: 47.8°)
— C90/C270 (Half-peak divergence: 48.2°)



Spacer - KIT thicknesses for installation on plasterboard

Code

60830