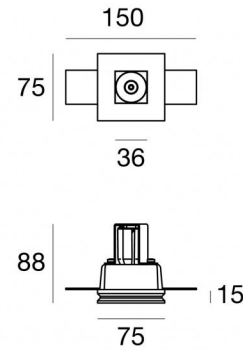


# Gypsum Cell



Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90  
**64630M45**




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	199 lm
Input voltage range	630mA
CCT / Tone	2700 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	Pet
Colour	White


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 (1 - 12 art.)

 99374  
On/Off Driver 198-264V AC / 176-275V DC 75 W (1 - 37 art.)

 99710  
1-10V Converter 24V DC (1 art.)

 99713  
DALI Converter 24V DC (1 art.)

 99376  
On/Off Driver 198-264V AC (1 - 6 art.)

Cables Electrification	
Cable connector	No

Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90 | Base  
**64630M45**

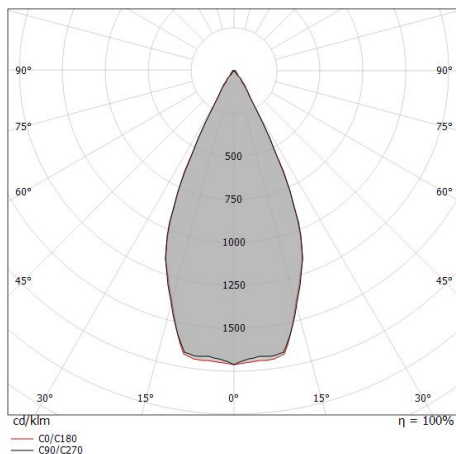
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 powered LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 199 lm, with a 99.5 lm/W nominal luminous efficacy.

The device body is made of plaster and features a white finish; the diffuser is made of pet. 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.



Distance [m]	Cone diameter [m]	Intensity [lx]
0.5	0.45 0.44	E(0°) 712 E(C90) 24.1° 271 E(C0) 23.9° 275
1.0	0.89 0.89	E(0°) 178 E(C90) 24.1° 68 E(C0) 23.9° 69
1.5	1.34 1.33	E(0°) 79 E(C90) 24.1° 30 E(C0) 23.9° 31
2.0	1.79 1.77	E(0°) 44 E(C90) 24.1° 17 E(C0) 23.9° 17
2.5	2.24 2.22	E(0°) 28 E(C90) 24.1° 11 E(C0) 23.9° 11
3.0	2.68 2.66	E(0°) 20 E(C90) 24.1° 8 E(C0) 23.9° 8

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

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	52 %
Source lumens	199 lm
Delivered lumens	104 lm
Consumption	2,0 W
Luminaire efficacy	52 lm/W
Colour temperature	2700 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

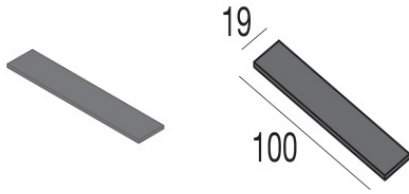
L70 B20 C0 214455h (at Tj 60 Ta 25 )

### UGR

UGR axial	14.6
UGR transversal	14.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	48°
Light distribution simmetry	Symmetrical



Spacer - KIT thicknesses for installation on plasterboard

**Code**  
60830