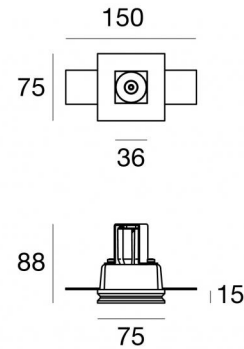


# Gypsum Cell



Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90  
**64630N15**



85

## Technical data

Type	Encasement without flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	2 W DC
Source lumens	237 lm
Input voltage range	630mA
CCT / Tone	4000 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
	99105 On/Off Driver 198-264V AC
	99374 On/Off Driver 198-264V AC / 176-275V DC 75 W
	99710 1-10V Converter 24V DC
	99713 DALI Converter 24V DC
	99376 On/Off Driver 198-264V AC



Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90 | Base 64630N15

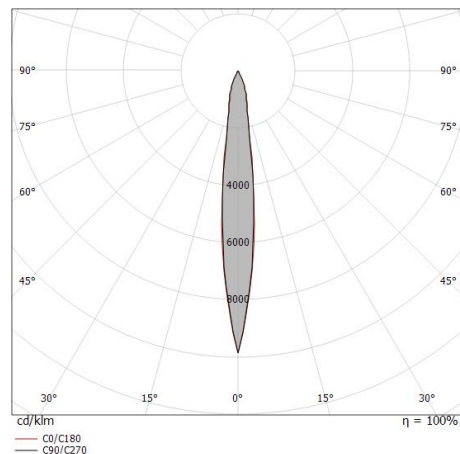
Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 237 lm, with a 118.5 lm/W nominal luminous efficacy.

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]	illuminance [lx]
0.5	0.11 0.11	E(0°) 7065 E(C90) 6.4° 3473 E(C0) 6.5° 3489
1.0	0.22 0.23	E(0°) 1766 E(C90) 6.4° 868 E(C0) 6.5° 872
1.5	0.34 0.34	E(0°) 785 E(C90) 6.4° 386 E(C0) 6.5° 388
2.0	0.45 0.46	E(0°) 442 E(C90) 6.4° 217 E(C0) 6.5° 218
2.5	0.56 0.57	E(0°) 283 E(C90) 6.4° 139 E(C0) 6.5° 140
3.0	0.67 0.68	E(0°) 196 E(C90) 6.4° 96 E(C0) 6.5° 97

— C0/C180 (Half-peak divergence: 13.0°)  
- - C90/C270 (Half-peak divergence: 12.8°)

## Energy efficiency class

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

## Illuminotechnical Features

Light Output Ratio (LOR)	75 %
Source lumens	237 lm
Delivered lumens	180 lm
Consumption	2,0 W
Luminaire efficacy	90 lm/W
Colour temperature	4000 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

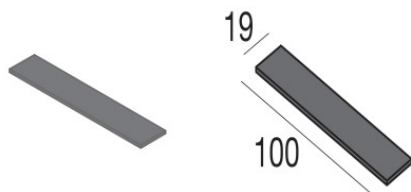
L70 B20 C0 214455h (at Tj 60 Ta 25 )

## UGR

UGR axial	15.4
UGR transversal	15.3
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

C0/C180 optics	13°
Light distribution symmetry	Symmetrical



Spacer - KIT thicknesses for installation on plasterboard

**Code**

60830