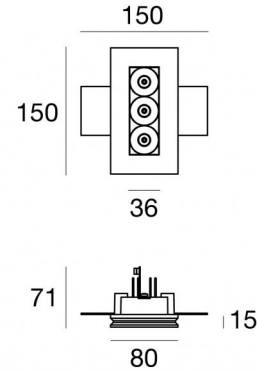


# Gypsum Cell



Downlights | 3 x powerLEDs 6 W DC 630 mA | CRI 80  
64546N30



160 x  
90

| Technical data                                 |                           |
|--|---------------------------|
| Type   | Encasement without flange |
| Installation position                          | Ceiling                   |
| Installation environment                       | Indoor                    |
| Light Source                                   | LED                       |
| Circuit structure                              | powerLEDs                 |
| Optics   | Medium Flood              |
| Light emission direction                       | downward                  |
| Nominal power                                  | 6 W DC                    |
| Source lumens                                  | 711 lm                    |
| Input voltage range                            | 630mA                     |
| CCT / Tone                                     | 4000 K                    |
| Colour rendering index                         | 80 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                                     | 0.500 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   | Aluminium 6060  |
| Colour     | Anodised Black  |
| Processing | 15 µm Anodizing |

## Electronics

 99115  
1-10V - N/O button Multi Power 198~264V AC / 180~275V DC (1 - 3 art.)

 99105  
On/Off Driver 198~264V AC (2 - 4 art.)

 99376  
On/Off Driver 198~264V AC (1 - 2 art.)

 C-E100001  
Push and Simply Dim - DALI-2 Multi Power 198~264V AC / 180~275V DC (2 - 4 art.)

## Cables Electrification

|                 |    |
|-----------------|----|
| Cable connector | No |
|-----------------|----|



Downlights | 3 x powerLEDs 6 W DC 630 mA | CRI 80 | Base  
**64546N30**

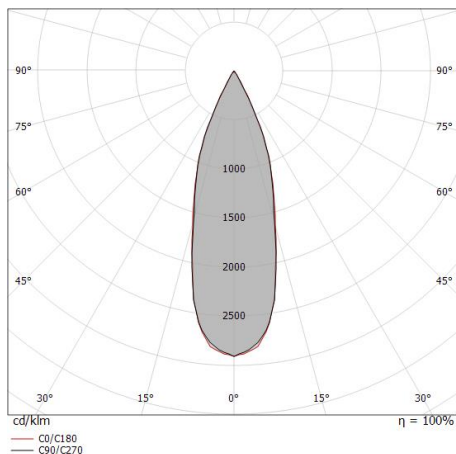
Single emission recessed downlights for indoor application. The natural white LED light source with a medium flood light distribution is composed of 3 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 711 lm, with a 118.5 lm/W nominal luminous efficacy.

The device body is made of plaster and features a white finish; the diffuser is made of polyamide. The ingress protection degree is IP20; the total weight is of 0.500 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6 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 160 x 90 mm hole (in plasterboard).

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



| Distance [m] | Cone diameter [m] | illuminance [lx]                                    |
|--------------|-------------------|---|
| 0.5          | 0.29<br>0.30      | E(0°) 6617<br>E(C90) 16.2° 2932<br>E(C0) 16.7° 2910 |
| 1.0          | 0.58<br>0.60      | E(0°) 1654<br>E(C90) 16.2° 733<br>E(C0) 16.7° 728   |
| 1.5          | 0.87<br>0.90      | E(0°) 735<br>E(C90) 16.2° 326<br>E(C0) 16.7° 323    |
| 2.0          | 1.16<br>1.20      | E(0°) 414<br>E(C90) 16.2° 183<br>E(C0) 16.7° 182    |
| 2.5          | 1.45<br>1.50      | E(0°) 265<br>E(C90) 16.2° 117<br>E(C0) 16.7° 116    |
| 3.0          | 1.74<br>1.80      | E(0°) 184<br>E(C90) 16.2° 81<br>E(C0) 16.7° 81      |

— C0/C180 (Half-peak divergence: 33.4°)  
— C90/C270 (Half-peak divergence: 32.4°)

### Energy efficiency class

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

### Illuminotechnical Features

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 74 %           |
| Source lumens                         | 711 lm         |
| Delivered lumens                      | 532 lm         |
| Consumption                           | 6 W            |
| Luminaire efficacy                    | 88 lm/W        |
| Colour temperature                    | 4000 K         |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index                | 80 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         | 8.3      |
| UGR transversal   | 8.1      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| C0/C180 optics              | 32°         |
| Light distribution simmetry | Symmetrical |



Spacer - KIT thicknesses for installation on plasterboard

**Code**

60830