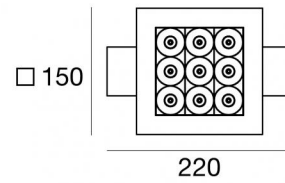


Gypsum Cell



Downlights | 9 x powerLEDs 18 W DC 630 mA | CRI 90
64551M45



Technical data	
Type	Encasement without flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Medium Wide Flood
Light emission direction	downward
Nominal power	18 W DC
Source lumens	1791 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	0.945 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	TVS

Finishing casing	
Material	plaster
Colour	white

Finishing diffuser	
Material	ABS
Colour	White

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



99105
On/Off Driver 198~264V AC



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

Downlights | 9 x powerLEDs 18 W DC 630 mA | CRI 90 | Base 64551M45

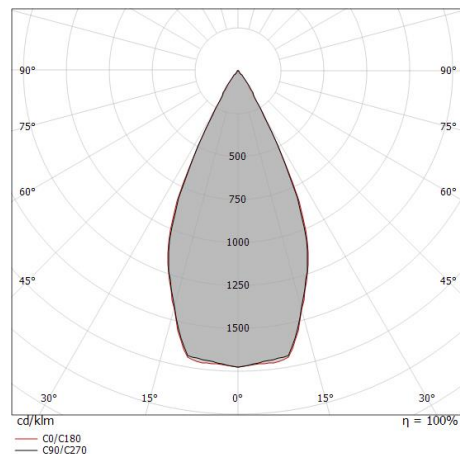
Single emission recessed downlights for indoor application. The super warm white LED light source is composed of 9 powered LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1791 lm, with a 99.5 lm/W nominal luminous efficacy.

The device body is made of plaster and features a white finish; the diffuser is made of ABS. The ingress protection degree is IP20; the total weight is of 0.945 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 18 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 160 mm hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.45 0.46	E(0°) 7833 E(C90) 24.4° 2975 E(C0) 24.6° 2969
1.0	0.91 0.92	E(0°) 1958 E(C90) 24.4° 744 E(C0) 24.6° 742
1.5	1.36 1.37	E(0°) 870 E(C90) 24.4° 331 E(C0) 24.6° 330
2.0	1.81 1.83	E(0°) 490 E(C90) 24.4° 186 E(C0) 24.6° 186
2.5	2.27 2.29	E(0°) 313 E(C90) 24.4° 119 E(C0) 24.6° 119
3.0	2.72 2.75	E(0°) 218 E(C90) 24.4° 83 E(C0) 24.6° 82

— C0/C180 (Half-peak divergence: 49.2°)
— C90/C270 (Half-peak divergence: 48.8°)

Energy efficiency class

This product contains 3 light sources of energy efficiency class F.

Illuminotechnical Features

Light Output Ratio (LOR)	63 %
Source lumens	1791 lm
Delivered lumens	1134 lm
Consumption	18 W
Luminaire efficacy	63 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

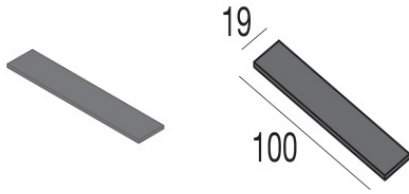
L70 B20 C0 214455h (at Tj 60 Ta 25)

UGR

UGR axial	9.1
UGR transversal	8.7
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	49°
Light distribution symmetry	Symmetrical



Spacer - KIT thicknesses for installation on plasterboard

Code
60830