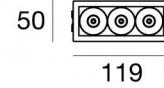
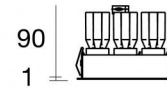




Downlights | 3 x powerLED 12 W DC 350 mA | CRI 80  
**64509M30**



113 x  
42



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Optics	Medium Flood
Light emission direction	downward
Nominal power	12 W DC
Source lumens	1470 lm
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	0.36 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	TVS

### Finishing casing

Material	Iron
Colour	White + Black
Processing	Powder coating


### Finishing diffuser


Material	Pet
Colour	White


### Finishing radiator


Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

### Electronics

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

 99126  
On/Off Driver 198~264V AC (1 art.)

 99344  
DALI - Push and Simply Dim Multi Power 198~264V AC / 180~275V DC (1 art.)

 83231  
DALI-2 Multi Power 198~264V AC / 176~280V DC (1 art.)

### Cables Electrification

Cable connector	No
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## Downlights | 3 x powerLED 12 W DC 350 mA | CRI 80 | Base 64509M30

Single emission downlights for indoor application. The super warm LED light source with a medium flood light distribution is composed of 3 powerLEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1470 lm, with a 122.5 lm/W nominal luminous efficacy.

The device body is made of iron and features a white + black finish, processed by means of powder coating; the diffuser is made of pet. The ingress protection degree is IP20; the total weight is of 0.36 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12 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 113 x 42 mm hole (in plasterboard).

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

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	76 %
Source lumens	1470 lm
Delivered lumens	1124 lm
Consumption	12 W
Luminaire efficacy	93 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

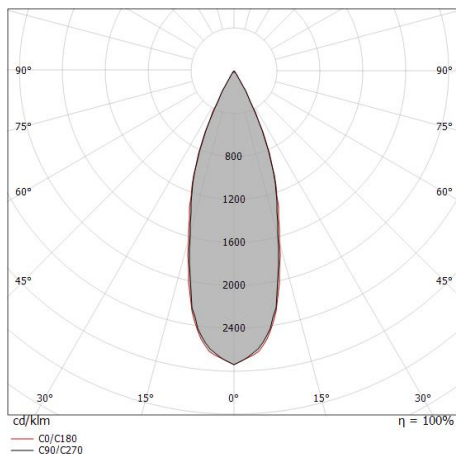
L70 B10 C0 247450h (at Tj 60 Ta 25)

### UGR

UGR axial	8.2
UGR transversal	9.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	34°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.31 0.32	12306	5374	5332	
1.0	0.62 0.63	3076	1343	1333	
1.5	0.92 0.95	1367	597	592	
2.0	1.23 1.27	769	336	333	
2.5	1.54 1.59	492	215	213	
3.0	1.85 1.90	342	149	148	

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 35.2°)  
— C90/C270 (Half-peak divergence: 34.2°)

### COLOR VECTOR GRAPHIC

