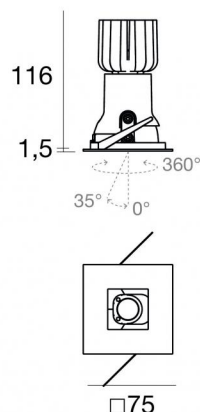




Downlights | 1 x powerLED 8 W DC 700 mA | CRI 92  
80491M15



70

## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	8 W DC
Source lumens	689 lm
Input voltage range	700mA
CCT / Tone	2700 K
Colour rendering index	92 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP44
Optical compartment IP	IP65
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	Yes
total angle (horizontal plane)	360 °
total angle (vertical plane)	35 °
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	0.277 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Honey comb
Product technological characteristics	TVS

## Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent

## Finishing flange

Material	Die-cast Aluminium EN AB - 46100
Colour	Black
Processing	Powder coating

## Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Colour	Aluminium
Processing	Polishing

## Electronics

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99147  
On/Off Driver 198-264V AC (2 - 3 art.)

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- 
99735  
Multi Power 198-264V AC / 180-275V DC (1 art.)

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- 
99733  
1-10V Multi Power 198-264V AC / 180-275V DC (1 art.)

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- 
C-E100012  
Push and Simply Dim - DALI-2 Controller (1 art.)

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- 
C-E100016  
Push and Simply Dim - DALI-2 Controller (2 - 3 art.)

## Cables Electrification

Cable connector	No
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## Downlights | 1 x powerLED 8 W DC 700 mA | CRI 92 | Base 80491M15

Single emission recessed downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 powerLED LEDs with CCT of 2700 K and a CRI 92; the source luminous flux is 689 lm, with a 86.1 lm/W nominal luminous efficacy.

The diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.277 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 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 70 mm diameter hole (in plasterboard).

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

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	46 %
Source lumens	689 lm
Delivered lumens	323 lm
Consumption	8 W
Luminaire efficacy	40 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	92 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

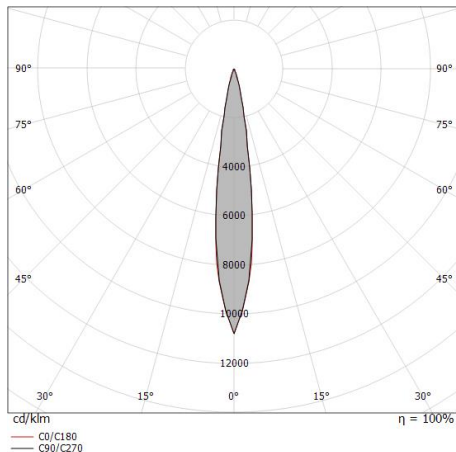
L70 B10 C0 247450h (at Tj 60 Ta 25)

### UGR

UGR axial	10.9
UGR transversal	11.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	15°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.13 0.13	E(0°) 13933 E(C90) 7.5° 6878 E(C0) 7.6° 6828
1.0	0.26 0.27	E(0°) 3483 E(C90) 7.5° 1719 E(C0) 7.6° 1707
1.5	0.39 0.40	E(0°) 1548 E(C90) 7.5° 764 E(C0) 7.6° 759
2.0	0.53 0.53	E(0°) 871 E(C90) 7.5° 430 E(C0) 7.6° 427
2.5	0.66 0.67	E(0°) 557 E(C90) 7.5° 275 E(C0) 7.6° 273
3.0	0.79 0.80	E(0°) 387 E(C90) 7.5° 191 E(C0) 7.6° 190

— C0/C180 (Half-peak divergence: 15.2°)  
— C90/C270 (Half-peak divergence: 15.0°)

### COLOR VECTOR GRAPHIC

