



Downlights | 1 x powerLED 8 W DC 700 mA | CRI 90  
81123W15



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	738 lm
Input voltage range	700mA
CCT / Tone	3000 K
Colour rendering index	90 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 casing

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

### 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



99147  
On/Off Driver 198-264V AC



99735  
Multi Power 198-264V AC / 180-275V DC



99733  
1-10V Multi Power 198-264V AC / 180-275V DC



C-E100012  
Push and Simply Dim - DALI-2 Controller



C-E100016  
Push and Simply Dim - DALI-2 Controller

### Cables Electrification

Cable connector	No
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## Downlights | 1 x powerLED 8 W DC 700 mA | CRI 90 | Base 81123W15

Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 powerLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 738 lm, with a 92.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; 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) with an outer casing, code 83064(for concrete or masonry).

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)	41 %
Source lumens	738 lm
Delivered lumens	307 lm
Consumption	8 W
Luminaire efficacy	38 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

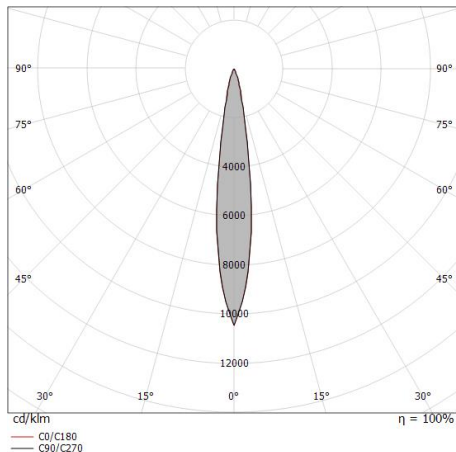
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	10.8
UGR transversal	10.7
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°) 12829 E(C90) 7.4° 6331 E(C0) 7.5° 6301
1.0	0.26 0.26	E(0°) 3207 E(C90) 7.4° 1583 E(C0) 7.5° 1575
1.5	0.39 0.39	E(0°) 1425 E(C90) 7.4° 703 E(C0) 7.5° 700
2.0	0.52 0.53	E(0°) 802 E(C90) 7.4° 396 E(C0) 7.5° 394
2.5	0.65 0.66	E(0°) 513 E(C90) 7.4° 253 E(C0) 7.5° 252
3.0	0.78 0.79	E(0°) 356 E(C90) 7.4° 176 E(C0) 7.5° 175

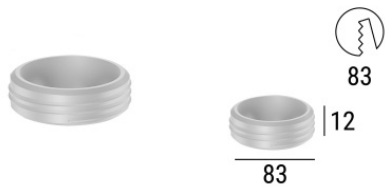
— C0/C180 (Half-peak divergence: 15.0°)  
— C90/C270 (Half-peak divergence: 14.8°)

### COLOR VECTOR GRAPHIC





Vos\_RJ | Downlights | Accessories  
**81123W15**



Outer casing

installation position: ceiling; type of installation: drywall L=83mm, H=12mm, D=83mm.

Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.

Finish	Code
	83064