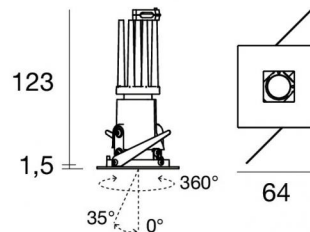




Downlights | 1 arrayLED 6 W DC 700 mA | CRI 90  
**C00938WHNFL**



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### Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Nominal power	6 W DC
Source lumens	805 lm
Input voltage range	700mA
CCT / Tone	4000 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	0.17 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.128 Kg
Electrostatic discharge protection	No
Surge protection	No

### Finishing casing

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

### Finishing flange

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

### Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

### Electronics



99147  
On/Off Driver 198-264V AC (1 - 4 art.)



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



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



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



C-E100016  
Push and Simply Dim - DALI-2 Controller (1 - 4 art.)

### Cables Electrification

Cable connector	No
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## Downlights | 1 arrayLED 6 W DC 700 mA | CRI 90 | Base C00938WHNFL

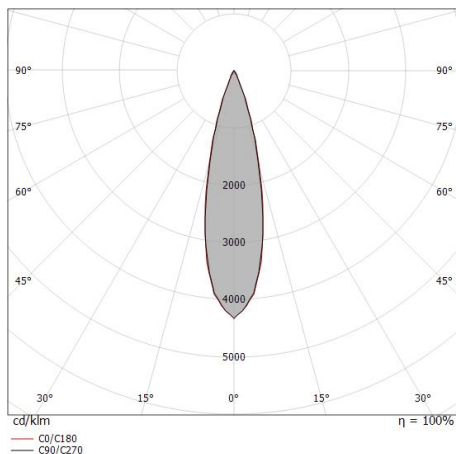
Single emission recessed downlights for indoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 805 lm, with a 134.2 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP44; the total weight is of 0.128 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 0.17 m length.

The device features protection class III and can be ceiling-mounted, with a 56 mm diameter hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.23 0.23	E(0°) 5560 E(C90) 2609 E(C0) 2600
1.0	0.45 0.46	E(0°) 1390 E(C90) 652 E(C0) 650
1.5	0.68 0.69	E(0°) 618 E(C90) 290 E(C0) 289
2.0	0.90 0.92	E(0°) 347 E(C90) 163 E(C0) 163
2.5	1.13 1.15	E(0°) 222 E(C90) 104 E(C0) 104
3.0	1.35 1.37	E(0°) 154 E(C90) 72 E(C0) 72

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 25.8°)  
— C90/C270 (Half-peak divergence: 25.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	40 %
Source lumens	805 lm
Delivered lumens	322 lm
Consumption	6 W
Luminaire efficacy	53 lm/W
Colour temperature	4000 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 B10 C0 134020h (at Tj 65 Ta 25 )

### UGR

UGR axial	11.3
UGR transversal	8.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	25°
Light distribution simmetry	Symmetrical