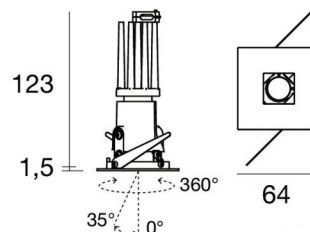




Downlights | 1 arrayLED 6 W DC 700 mA | CRI 90  
**C00938BBNSP**



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### Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
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	Black
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 C00938BBNSP

Single emission recessed downlights for indoor application. The natural white LED light source with a spot 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.

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	53 %
Source lumens	805 lm
Delivered lumens	433 lm
Consumption	6 W
Luminaire efficacy	72 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

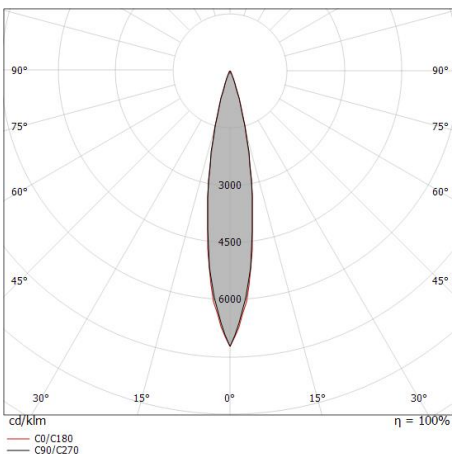
L70 B10 C0 134020h (at Tj 65 Ta 25 )

### UGR

UGR axial	8
UGR transversal	5.4
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	19°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.17 0.16	E(0°) 12508 E(C90) 9.4° 6012 E(C0) 9.3° 6023
1.0	0.33 0.33	E(0°) 3127 E(C90) 9.4° 1503 E(C0) 9.3° 1506
1.5	0.50 0.49	E(0°) 1390 E(C90) 9.4° 868 E(C0) 9.3° 669
2.0	0.66 0.66	E(0°) 782 E(C90) 9.4° 376 E(C0) 9.3° 376
2.5	0.83 0.82	E(0°) 500 E(C90) 9.4° 240 E(C0) 9.3° 241
3.0	0.99 0.98	E(0°) 347 E(C90) 9.4° 167 E(C0) 9.3° 167

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

— C0/C180 (Half-peak divergence: 18.6°)  
— C90/C270 (Half-peak divergence: 18.8°)