



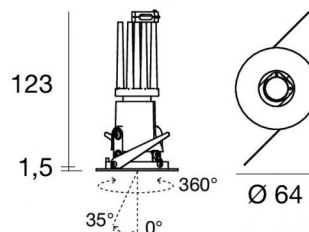
Downlights | 1 + 1 arrayLED 12 W DC 700 mA

CRI 90

**C00934BBNFL**



56



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood + Flood
Light emission direction	downward + downward
Nominal power	12 W DC
Source lumens	1610 lm
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 - 2 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 - 2 art.)

### Cables Electrification

Cable connector	No
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## Downlights | 1 + 1 arrayLED 12 W DC 700 mA | CRI 90 | Base C00934BBNFL

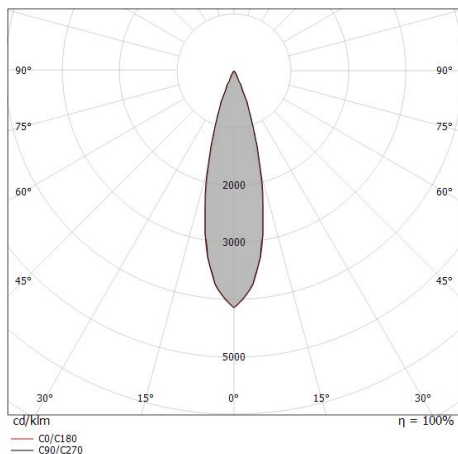
Single emission recessed downlights for indoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 805 lm, with a 134.2 lm/W nominal luminous efficacy. The natural white LED light source 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 12 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	0.24 0.24	E(0°) 5614 E(C90) 2604 E(C0) 2607
1.0	0.48 0.48	E(0°) 1403 E(C90) 651 E(C0) 652
1.5	0.73 0.72	E(0°) 624 E(C90) 289 E(C0) 290
2.0	0.97 0.96	E(0°) 351 E(C90) 163 E(C0) 163
2.5	1.21 1.20	E(0°) 225 E(C90) 104 E(C0) 104
3.0	1.45 1.44	E(0°) 156 E(C90) 72 E(C0) 72

— C0/C180 (Half-peak divergence: 27.0°)  
- - C90/C270 (Half-peak divergence: 27.2°)

### Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

### Illuminotechnical Features

Light Output Ratio (LOR)	21 %
Source lumens	1610 lm
Delivered lumens	339 lm
Consumption	6 W
Luminaire efficacy	56 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	10.4
UGR transversal	8.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	27°
Light distribution simmetry	Symmetrical