



Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90  
80809N30



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	30°
Light emission direction	downward
Nominal power	25 W DC
Source lumens	4192 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
IK	IK08
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.300 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.68 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Honey comb

#### Finishing casing

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

#### Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent

#### Finishing radiator

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

#### Electronics



99112  
On/Off Driver 198-264V AC (1 art.)



83066  
1-10V - Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100031  
DALI - Push and Simply Dim Multi Power 198-264V AC / 180-275V DC (1 art.)

#### Cables Electrification

IP (locked condition)	66
Cable connector	Female Easy plug
Cable connector	Male Easy plug



## Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90 | Base 80809N30

Single emission recessed downlights for indoor application. The natural white LED light source is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 4192 lm, with a 167.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey 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 0.68 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 25 W. The power supply cable is included and features a 0.300 m length.

The device features protection class III and can be ceiling-mounted, with a 95 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 E.

### Illuminotechnical Features

Light Output Ratio (LOR)	32 %
Source lumens	4192 lm
Delivered lumens	1360 lm
Consumption	25 W
Luminaire efficacy	54 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 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

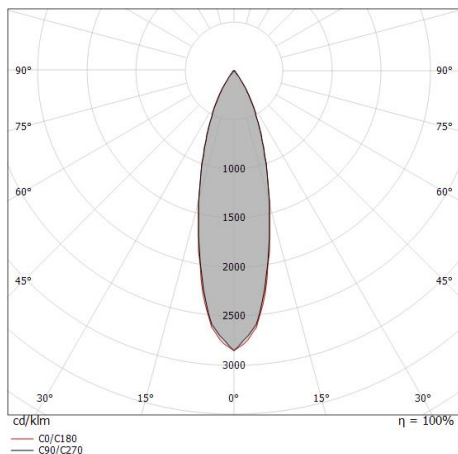
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	13.6
UGR transversal	13.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	29°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.26 0.26	15498	14.6° 7043	14.7° 7015
1.0	0.52 0.52	3875	14.6° 1761	14.7° 1754
1.5	0.78 0.79	1722	14.6° 783	14.7° 779
2.0	1.04 1.05	969	14.6° 440	14.7° 438
2.5	1.30 1.31	620	14.6° 282	14.7° 281
3.0	1.56 1.57	431	14.6° 196	14.7° 195

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0/C180 (Half-peak divergence: 29.4°)  
— C90/C270 (Half-peak divergence: 29.2°)