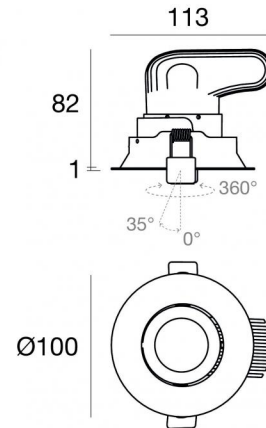




Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90
93450N60



92

Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Wide Flood
Light emission direction	downward
Nominal power	12.5 W DC
Source lumens	1736 lm
Input voltage range	350mA
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	Yes
total angle (horizontal plane)	350 °
total angle (vertical plane)	35 °
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	0.340 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	White
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

 99115
 1-10V - N/O button Multi Power 198-264V AC / 180-275V DC (1 art.)

 99375
 On/Off Driver 198-264V AC (1 art.)

 83322
 Push and Simply Dim - DALI-2 Controller (1 art.)

Cables Electrification

Cable connector	MALE JST SMR-02V-B
Cable connector	FEMALE JST SMR-02V-BC



Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90 | Base 93450N60

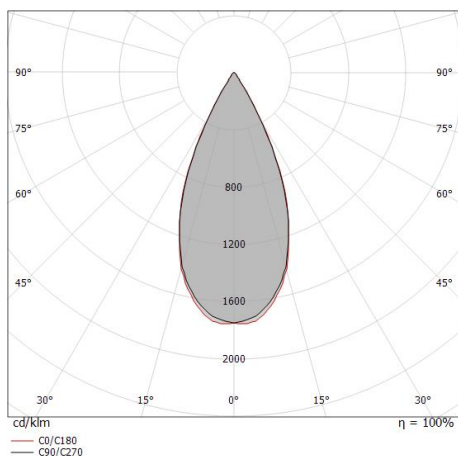
Single emission recessed downlights for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1736 lm, with a 138.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.340 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12.5 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 92 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	0.43 0.43	E(0°) 6487 E(C90) 23.3° 2519 E(C0) 23.4° 2522
1.0	0.86 0.87	E(0°) 1622 E(C90) 23.3° 630 E(C0) 23.4° 630
1.5	1.29 1.30	E(0°) 721 E(C90) 23.3° 286 E(C0) 23.4° 286
2.0	1.72 1.73	E(0°) 405 E(C90) 23.3° 157 E(C0) 23.4° 158
2.5	2.15 2.16	E(0°) 259 E(C90) 23.3° 101 E(C0) 23.4° 101
3.0	2.58 2.60	E(0°) 180 E(C90) 23.3° 70 E(C0) 23.4° 70

— C0/C180 (Half-peak divergence: 46.8°)
— C90/C270 (Half-peak divergence: 46.6°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	53 %
Source lumens	1736 lm
Delivered lumens	928 lm
Consumption	8 W
Luminaire efficacy	116 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 296960h (at Tj 65 Ta 25)

UGR

UGR transversal	16.1
UGR axial	16.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	47°
Light distribution simmetry	Symmetrical

Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90 | Base 93450N60

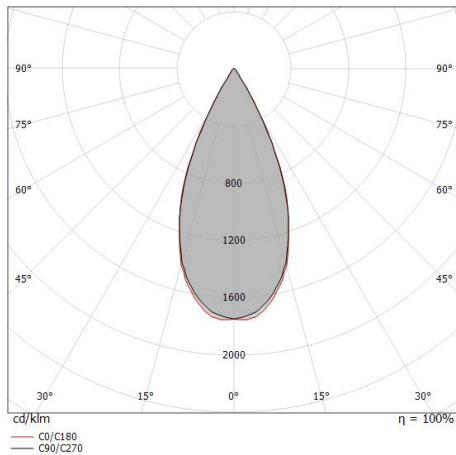
Single emission recessed downlights for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1736 lm, with a 138.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.340 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12.5 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 92 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	0.43 0.43	E(0°) 9726 E(C90) 23.3° 3776 E(C0) 23.4° 3781
1.0	0.86 0.87	E(0°) 2431 E(C90) 23.3° 944 E(C0) 23.4° 945
1.5	1.29 1.30	E(0°) 1081 E(C90) 23.3° 420 E(C0) 23.4° 420
2.0	1.72 1.73	E(0°) 608 E(C90) 23.3° 236 E(C0) 23.4° 236
2.5	2.15 2.16	E(0°) 389 E(C90) 23.3° 151 E(C0) 23.4° 151
3.0	2.58 2.60	E(0°) 270 E(C90) 23.3° 105 E(C0) 23.4° 105

— C0/C180 (Half-peak divergence: 46.8°)
— C90/C270 (Half-peak divergence: 46.6°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	80 %
Source lumens	1736 lm
Delivered lumens	1390 lm
Consumption	13 W
Luminaire efficacy	106 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 296960h (at Tj 65 Ta 25)

UGR

UGR transversal	17.5
UGR axial	17.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	47°
Light distribution simmetry	Symmetrical