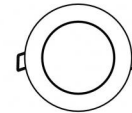
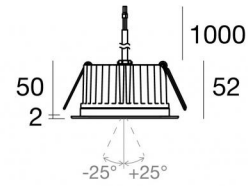




Downlights | 1 arrayLED 9 W DC 24 V | CRI 80  
81244N15



Ø97

Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	downward
Nominal power	9 W DC
Source lumens	1354 lm
Input voltage range	24 V
CCT / Tone	4000 K
Colour rendering index	80 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP67
IK	IK10
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
C.V. - C.C. Converter	Converter 24V included
Dimmable article	DALI - 1-10V
Directional	No
Tilting	Yes
total angle (vertical plane)	50 °
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	0.5 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	Acquastop

### Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	black
Processing	Open pore anodizing + Powder Coating

### Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent
Processing	Silk-screening

### Finishing flange

Material	AISI 316L steel
Colour	steel
Processing	Brushing

### Electronics



89488  
On/Off Driver 190~250V AC / 180~275V DC 15 W (1 art.)



89179  
On/Off Driver 198~264V AC 24 W (1 - 2 art.)



89359  
On/Off Driver 198~264V AC / 180~275V DC 48 W (1 - 5 art.)



99331  
On/Off Driver 198~264V AC / 176~275V DC 150 W (1 - 16 art.)



99660  
DALI - 1-10V Controller 24V DC 216 W (- art.)



C-E500023  
DALI - 1-10V - Push and Simply Dim Controller 8~53V DC 576 W (- art.)

### Cables Electrification

Cable connector	No
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Downlights | 1 arrayLED 9 W DC 24 V | CRI 80 | Base 81244N15

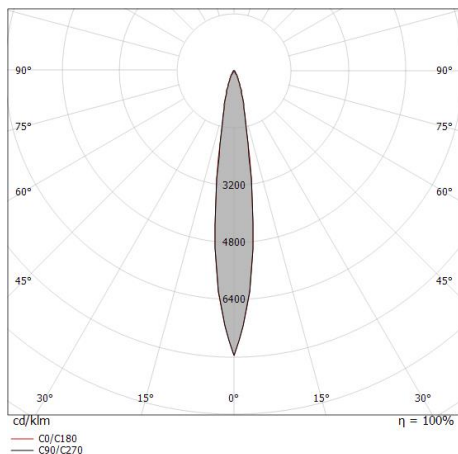
Single emission recessed downlights for outdoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1354 lm, with a 150.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP67; the total weight is of 0.5 kg.

The total absorbed power is 9 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be ceiling-mounted, with a 86 mm diameter hole (in plasterboard) with an outer casing, code 99749(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.18 0.18	E(0°) 31961 E(C90) 7.4° 15772 E(C0) 7.5° 15577
1.0	0.26 0.26	E(0°) 7990 E(C90) 7.4° 3943 E(C0) 7.5° 3894
1.5	0.39 0.39	E(0°) 3551 E(C90) 7.4° 1752 E(C0) 7.5° 1731
2.0	0.52 0.53	E(0°) 1998 E(C90) 7.4° 986 E(C0) 7.5° 974
2.5	0.65 0.66	E(0°) 1278 E(C90) 7.4° 631 E(C0) 7.5° 623
3.0	0.78 0.79	E(0°) 888 E(C90) 7.4° 438 E(C0) 7.5° 433

— C0/C180 (Half-peak divergence: 15.0°)  
— C90/C270 (Half-peak divergence: 14.8°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	74 %
Source lumens	1354 lm
Delivered lumens	1003 lm
Consumption	9 W
Luminaire efficacy	111 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 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	13.4
UGR transversal	13.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	15°
Light distribution simmetry	Symmetrical



Outer casing  
installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.  
Material:polypropylene, colour:white.

**Code**  
89373



Outer casing  
installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.  
Material:polypropylene, colour:white.

**Code**  
89374



Outer casing - (to be completed with universal grill 99750)  
installation position: ceiling; type of installation: masonry L=290mm, H=125mm, D=190mm

**Code**  
99749



Accessories for outer casings - Universal grille for outer casing 99749

**Code**  
99750