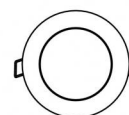




Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80
81230M30



86



Ø97

Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Optics	Flood
Light emission direction	downward
Nominal power	8 W DC
Source lumens	1088 lm
Current intensity	220mA
CCT / Tone	2700 K
Colour rendering index	80 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP67
IK	IK10
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	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	0.5 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Honey comb
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



99342
On/Off Driver 198-264V AC



83154
DALI-2 Controller

Cables Electrification

Cable connector	No
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Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80 | Base 81230M30

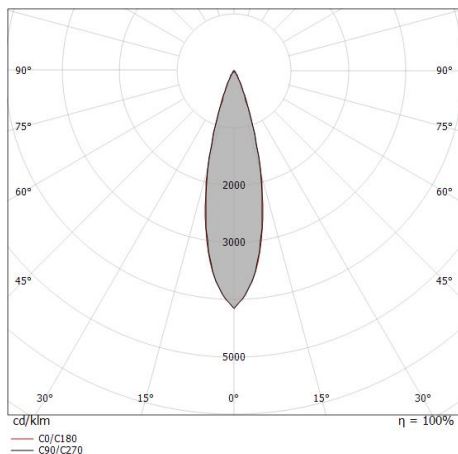
Single emission downlights for outdoor application. The super warm LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1088 lm, with a 136.0 lm/W nominal luminous efficacy.

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 power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 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 99750(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.24 0.24	E(0°) 10272 E(C90) 4741 E(C0) 4733
1.0	0.48 0.48	E(0°) 2568 E(C90) 1185 E(C0) 1183
1.5	0.72 0.73	E(0°) 1141 E(C90) 527 E(C0) 526
2.0	0.96 0.97	E(0°) 642 E(C90) 296 E(C0) 296
2.5	1.20 1.21	E(0°) 411 E(C90) 190 E(C0) 189
3.0	1.44 1.45	E(0°) 285 E(C90) 132 E(C0) 131

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

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	56 %
Source lumens	1088 lm
Delivered lumens	620 lm
Consumption	8 W
Luminaire efficacy	77 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Gamut Area Index	52 GAI
Colour Rendering Index	19 R9
IES TM-30 Rf	85
IES TM-30 Rg	96
Black Body Locus	On
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)

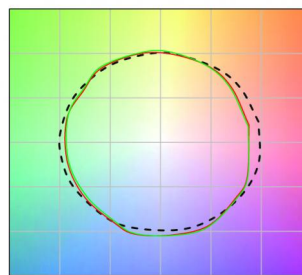
UGR

UGR axial	10.1
UGR transversal	9.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	27°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





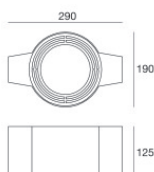
Outer casing

Type of installation: masonry L=200mm, H=113mm, D=137mm

Code89373

Outer casing

L=370mm, H=120mm, D=200mm

Code89374

Outer casing - (to be completed with universal grill 99750)

installation position: ceiling; type of installation: masonry L=290mm, H=125mm, D=190mm

Code99749

Outer casing - Universal grid for outer casing 99749

installation position: ceiling; type of installation: masonry L=150mm, H=7mm, D=150mm

Code99750