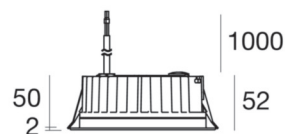
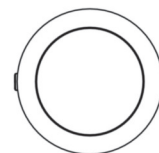




Downlights | arrayLED 13 W 350 mA | CRI 80  
81235W60



127



Ø138

Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Power	13 W
Source lumens	1724 lm
Current intensity	350mA
CCT / Tone	3000 K
Colour rendering index	80 Ra
C.C. / C.V.	CC
Energy class	A+
Safety class	3
IP	IP67
IK	IK10
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
ETL	No
Fire Rated (BS 476 PT21 compliant)	No
Operating temperature	-20 / +50
Driver included	No
Emergency mode	No
Motion sensor	No
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	0.9 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	Acquastop
Ordinary temperature on the glass	40 °C

#### 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



99183  
On/Off Driver 180-300V AC

#### Cables Electrification

Cable connector	No
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## Downlights | arrayLED 13 W 350 mA | CRI 80 | Base 81235W60

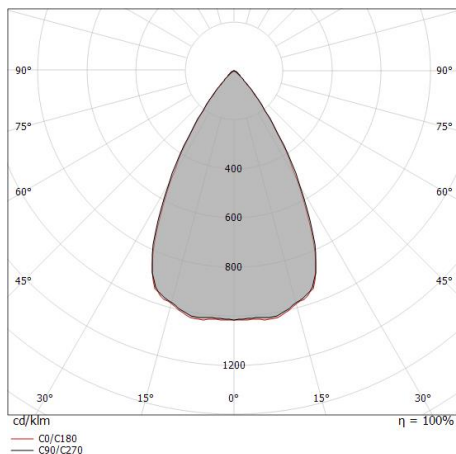
Single emission downlights for outdoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 1724 lm, with a 132.6 lm/W nominal luminous efficacy.

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

The total absorbed power is 13 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 127 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.



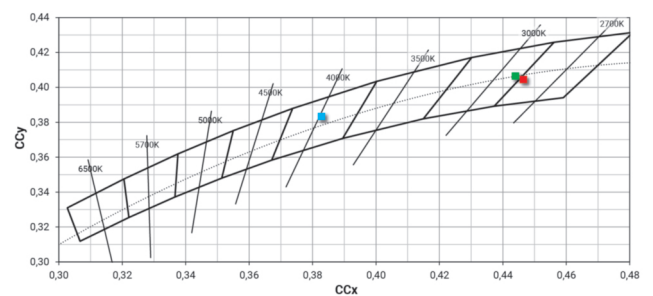
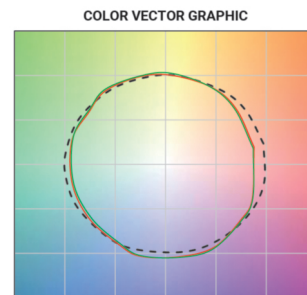
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.59 0.58	E(0°) 5629 E(C90) 30.5° 1809 E(C0) 29.9° 1857
1.0	1.18 1.15	E(0°) 1407 E(C90) 30.5° 452 E(C0) 29.9° 464
1.5	1.77 1.73	E(0°) 625 E(C90) 30.5° 201 E(C0) 29.9° 206
2.0	2.36 2.30	E(0°) 352 E(C90) 30.5° 113 E(C0) 29.9° 116
2.5	2.95 2.88	E(0°) 225 E(C90) 30.5° 72 E(C0) 29.9° 74
3.0	3.53 3.45	E(0°) 156 E(C90) 30.5° 50 E(C0) 29.9° 52

— C0/C180 (Half-peak divergence: 59.8°)  
— C90/C270 (Half-peak divergence: 61.0°)

Illuminotechnical Features	
Light Output Ratio (LOR)	80 %
Source lumens	1724 lm
Delivered lumens	1384.11 lm
Consumption	13 W
Luminaire efficacy	106 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Gamut Area Index	55 GAI
Colour Rendering Index	10 R9
IES TM-30 Rf	83
IES TM-30 Rg	96
Black Body Locus	On

LED Life / Failure Ratio	
L70 B10 C0 296960h (at Tj 65 Ta 25 )	

UGR	
UGR transversal	< 19
UGR axial	< 19
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20





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Outer casing  
installation position: ceiling; type of installation: masonry  
L=280mm, H=135mm, D=190mm

**Code**  
99749

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

**Code**  
99750