



Uplights | 1 arrayLED 9 W DC 24 V | CRI 80  
82678M15



Technical data	
Type	Walk Over
Installation position	Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	upward
Nominal power	9 W DC
Source lumens	1193 lm
Input voltage range	24 V
CCT / Tone	2700 K
Colour rendering index	80 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP68
Installation limitations	Not for underwater use
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	No
Directional	No
Tilting	Yes
total angle (vertical plane)	40 °
Walk-over	Yes
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

#### Electronics



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 art.)



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



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

#### Cables Electrification

Cable connector	No
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## Uplights | 1 arrayLED 9 W DC 24 V | CRI 80 | Base 82678M15

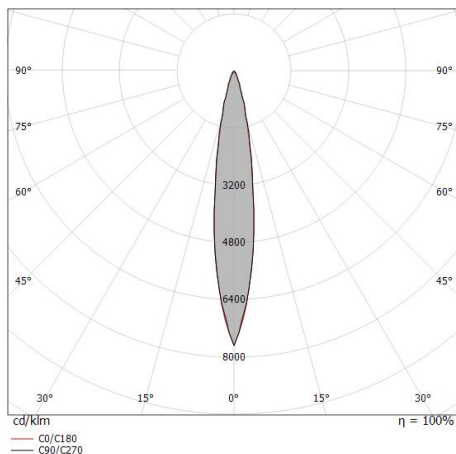
Single emission uplights for outdoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1193 lm, with a 132.6 lm/W nominal luminous efficacy.

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 IP68; 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 floor-mounted with an outer casing, code 83039(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	Beam diameter [m]	E(0°) [lx]	E(C0) [lx]
0.5	0.14	0.14	16230	7888
1.0	0.29	0.29	4058	1972
1.5	0.43	0.43	1803	876
2.0	0.58	0.58	1014	493
2.5	0.72	0.72	649	316
3.0	0.86	0.86	451	219

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

— C0/C180 (Half-peak divergence: 16.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	44 %
Source lumens	1193 lm
Delivered lumens	529 lm
Consumption	9 W
Luminaire efficacy	58 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
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 252000h (at Tj 65 Ta 25 )

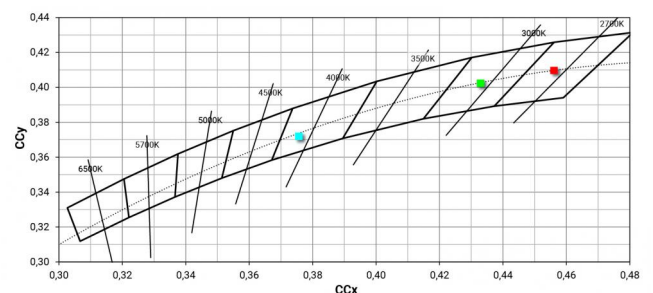
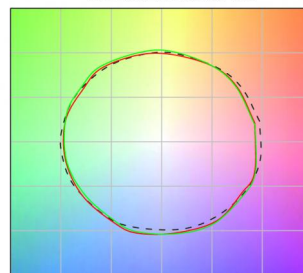
### UGR

UGR axial	6.9
UGR transversal	7.1
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	16°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC





Orma\_FJ | Uplights | Accessories  
**82678M15**



Outer casing

installation position: floor, land; type of installation: masonry L=87mm, H=88mm, D=87mm.

Material:ABS Plastic, colour:black.

**Code**

99923



Outer casing

installation position: floor, land; type of installation: masonry L=114mm, H=88mm,

D=114mm.

Material:ABS Plastic, colour:black.

**Code**

83039