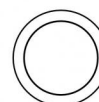


Uplights | 1 arrayLED 9 W DC 24 V | CRI 80  
81190M30



| Technische Daten                                    |                                |
|-----------------------------------------------------|--------------------------------|
| Typ                                                 | Begehbar                       |
| Installationsposition                               | Boden                          |
| Installationsumgebung                               | Outdoor                        |
| Lichtquelle                                         | LED                            |
| Circuit structure                                   | arrayLED                       |
| Optik                                               | Medium Flood                   |
| Light emission direction                            | upward                         |
| Lampe Nennleistung                                  | 9 W DC                         |
| Lichtstrom (Lichtquelle)                            | 1288 lm                        |
| Eingangsspannungsbereich                            | 500mA                          |
| Ähnlichste Farbtemperatur / Tone                    | 2700 K                         |
| Farbwiedergabeindex                                 | 80 Ra                          |
| Gleichstrom/Gleichspannung                          | CV                             |
| Isolierklasse                                       | 3                              |
| IP                                                  | IP68                           |
| Installationsbeschränkung                           | Nicht für Einsatz unter Wasser |
| IK                                                  | IK10                           |
| Glühdrahtprüfung                                    | 850°                           |
| Direkte Montage auf normal entflammaren Oberflächen | Ja                             |
| CE                                                  | Ja                             |
| Einschließlich Driver                               | Nein                           |
| C.V. - C.C. Converter                               | 24 V Konverter enthalten       |
| Leuchte dimmbar                                     | Nein                           |
| Schwenkbarkeit                                      | Nein                           |
| Drehbarkeit                                         | Nein                           |
| Begehbarkeit                                        | Ja                             |
| Überrollbarkeit                                     | Nein                           |
| Einschließlich Kabel                                | Ja                             |
| Kabellänge                                          | 1 m                            |
| Harzbeschichtung                                    | Ja                             |
| Typ Lichtabstrahlung                                | Einflamig                      |
| Nettogewicht                                        | 0.5 Kg                         |
| Schutz vor elektrostatischen Entladungen            | Nein                           |
| Schutz vor Stoßspannungen                           | Nein                           |
| Technische Merkmale des Produkts                    | Acquastop                      |

#### Oberfläche Oberfläche Gehäuse

|                 |                                             |
|-----------------|---------------------------------------------|
| Material        | Stranggepresstes Aluminium EN AB - 46100    |
| Farbe           | Matt black (R9005)                          |
| Bearbeitungstyp | Offenporige Anodisierung + Pulverlackierung |

#### Oberfläche Oberfläche diffusor

|                 |                              |
|-----------------|------------------------------|
| Material        | Extra-helles Glas - Gehärtet |
| Farbe           | transparent                  |
| Bearbeitungstyp | Siebdruck                    |

#### Oberfläche Oberfläche flansch

|                 |                     |
|-----------------|---------------------|
| Material        | Edelstahl AISI 316L |
| Farbe           | Stahl               |
| Bearbeitungstyp | Bürsten             |

#### Elektronik



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



89359  
On/Off Driver 198-264V AC / V DC (1 - 5 art.)



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



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



83042  
1-10V - Push and Simply Dim - DALI-2 Controller (- art.)

#### Cables Electrification

|                 |                                              |
|-----------------|----------------------------------------------|
| Cable connector | No connector - Neoprene 2x0.5mm <sup>2</sup> |
|-----------------|----------------------------------------------|

Uplights | 1 arrayLED 9 W DC 24 V | CRI 80  
81190M30

Single emission uplights for outdoor application. The super warm white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1288 lm, with a 143.1 lm/W nominal luminous efficacy.

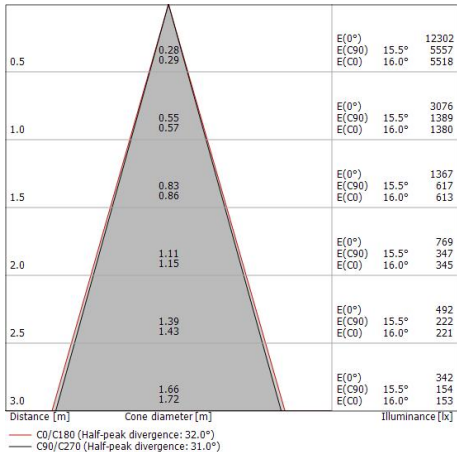
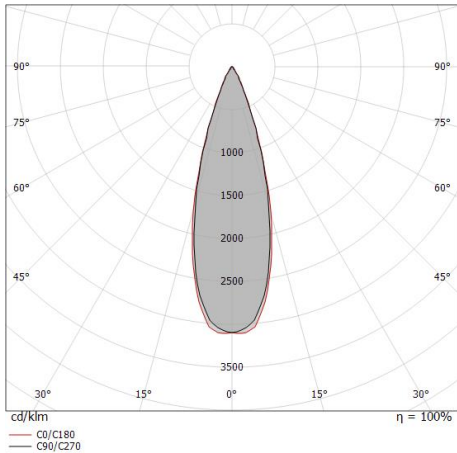
The device body is made of die-cast aluminium en ab - 46100 and features a matt black (r9005) finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. Surface treatment of the product body through aluminum chemical conversion, followed by polyester powder coating, using exclusively coatings compliant with the Qualicoat standard. The product flange is made of steel, a material that ensures high robustness, superior mechanical strength and extended durability, guaranteeing maximum component reliability over time.

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 99856(for concrete or masonry).

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



Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 77 %           |
| Lichtstrom (Lichtquelle)              | 1288 lm        |
| Leuchten Lichtstrom                   | 994 lm         |
| Consumption                           | 9 W            |
| Leuchten Lichtausbeute                | 110 lm/W       |
| Farbtemperatur                        | 2700 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 80 Ra          |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

LED Life / Failure Ratio

L70 B10 C0 231262h (at Tj 65 Ta 25 )

L80 B10 C0 144799h (at Tj 65 Ta 25 )

L90 B10 C0 68534h (at Tj 65 Ta 25 )

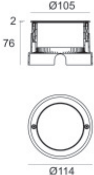
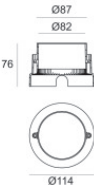
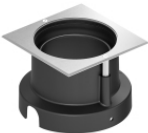
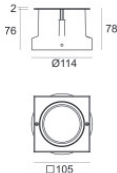
UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 12.6     |
| UGR transversal   | 12.7     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 31°         |
| Light distribution simmetry | Symmetrical |

Orma\_A | Uplights | Accessories  
81190M30

|                                                                                    |                                                                                    |                                                                                                                                                                  |                          |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|   |   | <p>Einbaugehäuse</p> <p>installationsposition: boden; typ installation: mauerwerk L=114mm, H=78mm, D=114mm.</p> <p>Material:Edelstahl AISI 316, farbe:Stahl.</p> | <p>Code</p> <p>99563</p> |
|   |   | <p>Einbaugehäuse</p> <p>installationsposition: boden; typ installation: mauerwerk L=114mm, H=76mm, D=114mm.</p> <p>Material:Kunststoff ABS, farbe:Black.</p>     | <p>Code</p> <p>99651</p> |
|  |  | <p>Einbaugehäuse</p> <p>installationsposition: boden; typ installation: mauerwerk L=105mm, H=76mm, D=105mm.</p> <p>Material:Kunststoff ABS, farbe:Black.</p>     | <p>Code</p> <p>99856</p> |