

Uplights | 1 arrayLED 9 W DC 24 V | CRI 80  
82457N60



| Technische Daten                                    |                                |
|---|--------------------------------|
| Typ   | Begehbar                       |
| Installationsposition                               | Boden                          |
| Installationsumgebung                               | Outdoor                        |
| Lichtquelle   | LED                            |
| Circuit structure                                   | arrayLED                       |
| Optik   | Wide Flood                     |
| Light emission direction                            | upward                         |
| Lampe Nennleistung                                  | 9 W DC                         |
| Lichtstrom (Lichtquelle)                            | 1354 lm                        |
| Eingangsspannungsbereich                            | 24 V                           |
| Ähnlichste Farbtemperatur / Tone                    | 4000 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   | Ja                             |
| Gesamtwinkel (vertikale Ebene)                      | 40 °                           |
| Begehbarkeit  | Ja                             |
| Überrollbarkeit                                     | Nein                           |
| Einschließlich Kabel                                | Ja                             |
| Kabellänge  | 1 m                            |
| Harzbeschichtung                                    | Ja                             |
| Typ Lichtabstrahlung                                | Einflämmig                     |
| Nettogewicht  | 0.5 Kg                         |
| Schutz vor elektrostatischen Entladungen            | Nein                           |
| Schutz vor Stoßspannungen                           | Nein                           |
| Optiktechnologie                                    | Honey comb                     |
| Technische Merkmale des Produkts                    | Acquastop                      |

#### Oberfläche Gehäuse

|                 |   |
|-----------------|---|
| Material        | Stranggepresstes Aluminium EN AB - 46100    |
| Farbe           | Schwarz                                     |
| Bearbeitungstyp | Offenporige Anodisierung + Pulverlackierung |

#### Oberfläche Diffusor

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

#### Oberfläche flansch

|                 |                 |
|-----------------|-----------------|
| Material        | Stahl 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 / 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.)



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



## Uplights | 1 arrayLED 9 W DC 24 V | CRI 80 82457N60

Single emission uplights for outdoor application. The natural white LED light source 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 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 99651 (for concrete or masonry).

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

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 53 %           |
| Lichtstrom (Lichtquelle)              | 1354 lm        |
| Leuchten Lichtstrom                   | 722 lm         |
| Consumption                           | 9 W            |
| Leuchten Lichtausbeute                | 80 lm/W        |
| Farbtemperatur                        | 4000 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

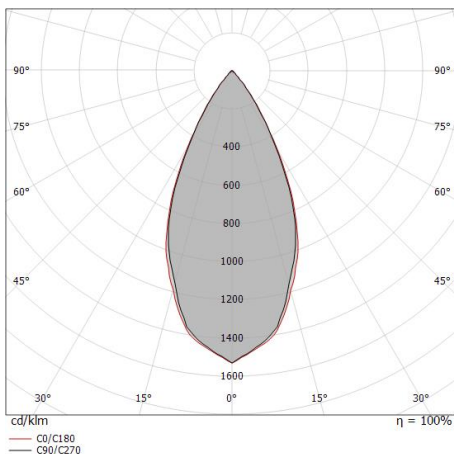
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 16.6     |
| UGR transversal   | 16.7     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 49°         |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx]                                    |
|--------------|-------------------|---|
| 0.5          | 0.45<br>0.46      | E(0°) 4354<br>E(C90) 24.4° 1648<br>E(C0) 24.8° 1629 |
| 1.0          | 0.91<br>0.92      | E(0°) 1089<br>E(C90) 24.4° 412<br>E(C0) 24.8° 407   |
| 1.5          | 1.36<br>1.39      | E(0°) 484<br>E(C90) 24.4° 183<br>E(C0) 24.8° 181    |
| 2.0          | 1.81<br>1.85      | E(0°) 272<br>E(C90) 24.4° 103<br>E(C0) 24.8° 102    |
| 2.5          | 2.27<br>2.31      | E(0°) 174<br>E(C90) 24.4° 66<br>E(C0) 24.8° 65      |
| 3.0          | 2.72<br>2.77      | E(0°) 121<br>E(C90) 24.4° 46<br>E(C0) 24.8° 45      |

— C0/C180 (Half-peak divergence: 49.6°)  
— C90/C270 (Half-peak divergence: 48.8°)



Orma\_IJ | Uplights | Accessories  
**82457N60**



## Einbaugehäuse

installationsposition: boden; typ installation: mauerwerk L=114mm, H=76mm, D=114mm.

Material:Kunststoff ABS, farbe:Schwarz.

**Code**

99651