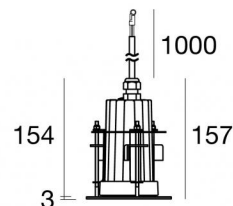


Downlights | 198-264 V  
1 arrayLED 8 W DC - 8.5 W AC | CRI 80  
**81839M15**



Ø110

| Technische Daten                                    |                |
|-----------------------------------------------------|----------------|
| Installationsposition                               | Decke          |
| Installationsumgebung                               | Outdoor        |
| Lichtquelle                                         | LED            |
| Circuit structure                                   | arrayLED       |
| Optik                                               | Spot           |
| Light emission direction                            | downward       |
| Lampe Nennleistung                                  | 8 W DC         |
| Gesamtleistung                                      | 8.5 W          |
| Lichtstrom (Lichtquelle)                            | 1041 lm        |
| Nominale Eingangsspannung                           | 220 - 240 V AC |
| Eingangsspannungsbereich                            | 198 - 264 V AC |
| Frequency                                           | 50 - 60 Hz     |
| Ähnlichste Farbtemperatur / Tone                    | 2700 K         |
| Farbwiedergabeindex                                 | 80 Ra          |
| Gleichstrom/Gleichspannung                          | AC             |
| Isolierklasse                                       | 1              |
| IP                                                  | IP67           |
| IK                                                  | IK10           |
| Glühdrahtprüfung                                    | 850°           |
| Direkte Montage auf normal entflammaren Oberflächen | Ja             |
| CE                                                  | Ja             |
| Einschließlich Driver                               | Driver         |
| Leuchte dimmbar                                     | Nein           |
| Schwenkbarkeit                                      | Nein           |
| Drehbarkeit                                         | Nein           |
| Begehbarkeit                                        | Nein           |
| Überrollbarkeit                                     | Nein           |
| Einschließlich Kabel                                | Ja             |
| Kabellänge                                          | 1 m            |
| Harzbeschichtung                                    | Ja             |
| Einbautiefe                                         | 154 mm         |
| Typ Lichtabstrahlung                                | Einflammig     |
| Nettogewicht                                        | 1 Kg           |
| Schutz vor elektrostatischen Entladungen            | Ja             |
| Schutz vor Stoßspannungen                           | 1 KV           |
| Optiktechnologie                                    | Honey comb     |
| 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                  |

**Oberfläche Oberfläche flansch**

|                 |                                             |
|-----------------|---------------------------------------------|
| Material        | Aluminiumlegierung 6026                     |
| Farbe           | Text brilliant grey RAL 9006                |
| Bearbeitungstyp | Offenporige Anodisierung + Pulverlackierung |

**Cables Electrification**

|                 |    |
|-----------------|----|
| Cable connector | No |
|-----------------|----|

**Downlights | 198-264 V | 1 arrayLED 8 W DC - 8.5 W AC | CRI 80  
81839M15**

Single emission recessed downlights 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 1041 lm, with a 130.1 lm/W nominal luminous efficacy.

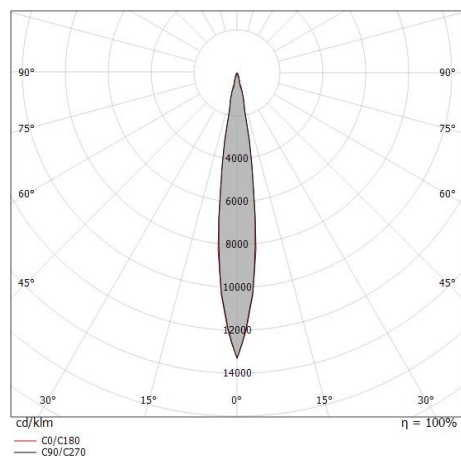
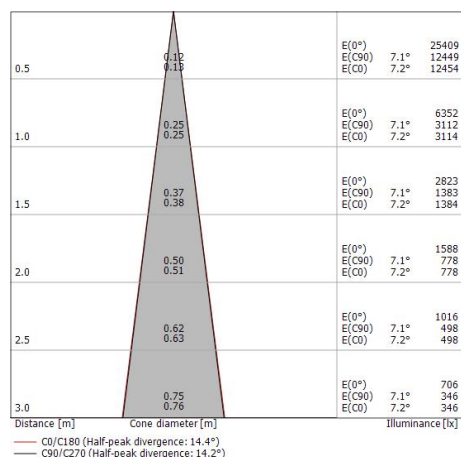
The device body is made of die-cast aluminium en ab - 46100 and features a matt black (r9005) finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. Surface treatment of the product body through aluminum chemical conversion, followed by polyester powder coating, using exclusively coatings compliant with the Qualicoat standard. The aluminum flange is treated with a chemical conversion process to ensure maximum paint adhesion and corrosion protection, followed by polyester powder coating using exclusively coatings compliant with the Qualicoat standard.

The ingress protection degree is IP67; the total weight is of 1 kg.

The total absorbed power is 8.5 W The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted, with a 96 mm diameter hole (in plasterboard) with an outer casing, code 99673(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)              | 45 %           |
| Lichtstrom (Lichtquelle)              | 1041 lm        |
| Leuchten Lichtstrom                   | 478 lm         |
| Consumption                           | 8.5 W          |
| Leuchten Lichtausbeute                | 56 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 )

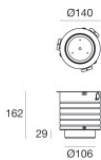
**UGR**

|                   |          |
|-------------------|----------|
| UGR axial         | 9.7      |
| UGR transversal   | 9.6      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

**OPTICAL**

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 14°         |
| Light distribution simmetry | Symmetrical |

Guardian | Downlights | Accessories  
81839M15



Einbaugehäuse  
installationsposition: decke; typ installation: mauerwerk L=140mm, H=162mm, D=140mm.  
Material:Grau.

Code  
99673