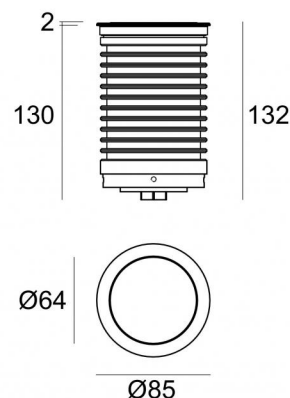


Uplights | 198-264 V AC /186-275 V DC  
1 arrayLED 8 W DC - 9.5 W AC | CRI 80  
**81693M85**



| Technische Daten                                    |                                |
|-----------------------------------------------------|--------------------------------|
| Typ                                                 | Begehbar                       |
| Installationsposition                               | Boden                          |
| Installationsumgebung                               | Outdoor                        |
| Lichtquelle                                         | LED                            |
| Circuit structure                                   | arrayLED                       |
| Optik                                               | Adjustable Focus               |
| Light emission direction                            | upward                         |
| Lampe Nennleistung                                  | 8 W DC                         |
| Gesamtleistung                                      | 9.5 W                          |
| Lichtstrom (Lichtquelle)                            | 770 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                                                  | IP68                           |
| Installationsbeschränkung                           | Nicht für Einsatz unter Wasser |
| IK                                                  | IK10                           |
| Glühdrahtprüfung                                    | 850°                           |
| Direkte Montage auf normal entflammaren Oberflächen | Ja                             |
| CE                                                  | Ja                             |
| Einschließlich Driver                               | Driver                         |
| Leuchte dimmbar                                     | Nein                           |
| Schwenkbarkeit                                      | Nein                           |
| Drehbarkeit                                         | Nein                           |
| Begehbarkeit                                        | Ja                             |
| Überrollbarkeit                                     | Nein                           |
| Einschließlich Kabel                                | Ja                             |
| Kabellänge                                          | 1 m                            |
| Harzbeschichtung                                    | Ja                             |
| Einbautiefe                                         | 130 mm                         |
| Typ Lichtabstrahlung                                | Einflammig                     |
| Nettogewicht                                        | 1.1 Kg                         |
| Schutz vor elektrostatischen Entladungen            | Ja                             |
| Schutz vor Stoßspannungen                           | 2 KV                           |
| Technische Merkmale des Produkts                    | Acquastop                      |

#### Oberfläche Oberfläche Gehäuse

|                 |                          |
|-----------------|--------------------------|
| Material        | Aluminiumlegierung 6060  |
| Farbe           | Anodised black aluminium |
| Bearbeitungstyp | Anodisierung 15 µm       |

#### Oberfläche Oberfläche diffusor

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

#### Oberfläche Oberfläche flansch

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

#### Cables Electrification

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

Uplights | 198-264 V AC /186-275 V DC | 1 arrayLED 8 W DC - 9.5 W AC | CRI 80 |

Maximaler optischer Winkel

**81693M85**

## Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

## Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 84 %           |
| Lichtstrom (Lichtquelle)              | 770 lm         |
| Leuchten Lichtstrom                   | 650 lm         |
| Consumption                           | 9.5 W          |
| Leuchten Lichtausbeute                | 68 lm/W        |
| Farbtemperatur                        | 2700 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 80 Ra          |
| Gamut Area Index                      | 52 GAI         |
| Colour Rendering Index                | 19 R9          |
| IES TM-30 Rf                          | 85             |
| IES TM-30 Rg                          | 96             |
| Black Body Locus                      | On             |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

## LED Life / Failure Ratio

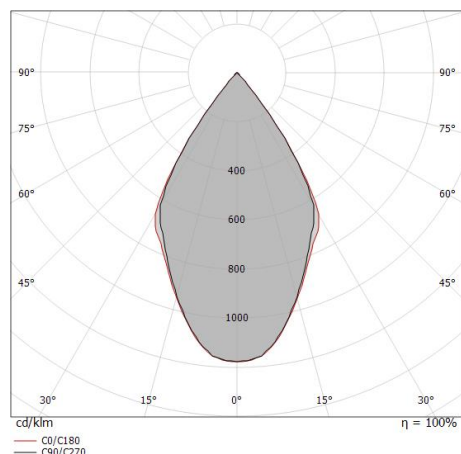
L70 B10 C0 296940h (at Tj 65 Ta 25 )

## UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 18.8     |
| UGR transversal   | 18.9     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

## OPTICAL

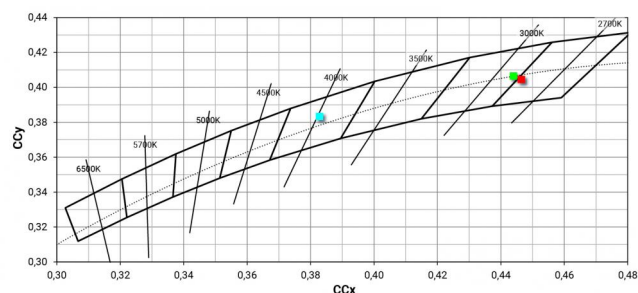
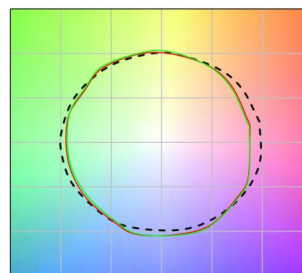
|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 62°         |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Illuminance [lx]   | E(0°)<br>E(C90)<br>E(C0) |
|--------------|-------------------|--------------------|--------------------------|
| 0.5          | 0.60<br>0.62      | 3060<br>974<br>948 | 30.8°<br>31.6°           |
| 1.0          | 1.19<br>1.23      | 765<br>244<br>237  | 30.8°<br>31.6°           |
| 1.5          | 1.79<br>1.85      | 340<br>108<br>105  | 30.8°<br>31.6°           |
| 2.0          | 2.38<br>2.46      | 191<br>61<br>59    | 30.8°<br>31.6°           |
| 2.5          | 2.98<br>3.08      | 122<br>39<br>38    | 30.8°<br>31.6°           |
| 3.0          | 3.58<br>3.69      | 85<br>27<br>26     | 30.8°<br>31.6°           |

— C0/C180 (Half-peak divergence: 63.2°)  
— C90/C270 (Half-peak divergence: 61.6°)

## COLOR VECTOR GRAPHIC



Uplights | 198-264 V AC /186-275 V DC | 1 arrayLED 8 W DC - 9.5 W AC | CRI 80 |

Minimaler optischer Winkel

81693M85

Single emission uplights for outdoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 770 lm, with a 96.3 lm/W nominal luminous efficacy.

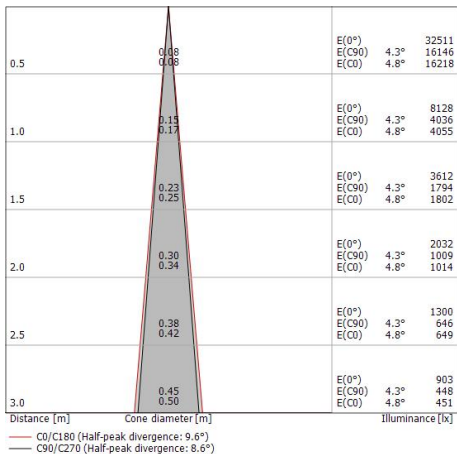
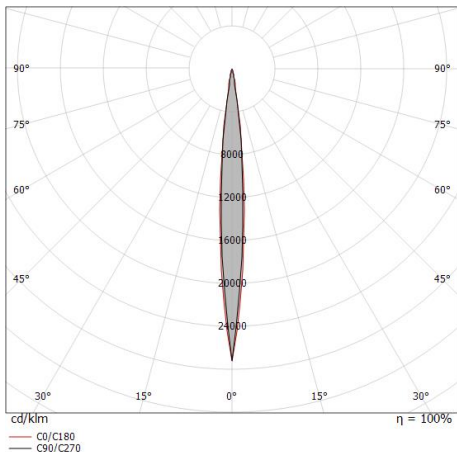
The device body is made of aluminium alloy 6060 and features a anodised black aluminium finish, processed by means of 15 µm anodizing; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. Surface treatment of the product body with chemical conversion of aluminum, designed to ensure maximum long?term resistance.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 1.1 kg.

The total absorbed power is 9.5 W The power supply cable is included and features a 1 m length.

The device features protection class I and can be floor-mounted with an outer casing, code 99804(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)              | 38 %           |
| Lichtstrom (Lichtquelle)              | 770 lm         |
| Leuchten Lichtstrom                   | 299 lm         |
| Consumption                           | 9.5 W          |
| Leuchten Lichtausbeute                | 31 lm/W        |
| Farbtemperatur                        | 2700 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 80 Ra          |
| Gamut Area Index                      | 52 GAI         |
| Colour Rendering Index                | 19 R9          |
| IES TM-30 Rf                          | 85             |
| IES TM-30 Rg                          | 96             |
| Black Body Locus                      | On             |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

LED Life / Failure Ratio

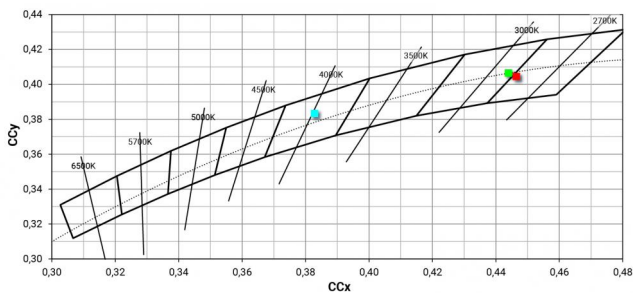
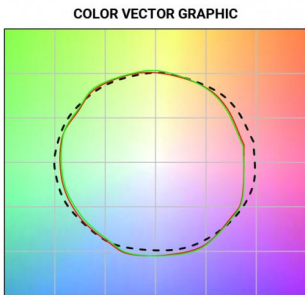
L70 B10 C0 296940h (at Tj 65 Ta 25 )

UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 9.3      |
| UGR transversal   | 9.9      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 9°          |
| Light distribution simmetry | Symmetrical |



Suelo Focus | Uplights | Accessories  
81693M85



Einbaugehäuse  
installationsposition: boden; typ installation: mauerwerk L=125mm, H=193mm, D=125mm.  
Material:Kunststoff ABS, farbe:Black.

Code  
99803



Einbaugehäuse  
installationsposition: boden; typ installation: mauerwerk L=125mm, H=193mm, D=125mm.  
Material:Kunststoff ABS, farbe:Black.

Code  
99804