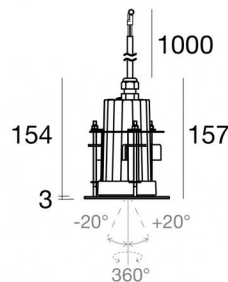
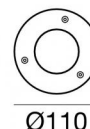




Downlights | 198-264 V  
1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80  
**81918M20**



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| Technische Daten                                    |                |
|-----------------------------------------------------|----------------|
| Installationsposition                               | Decke          |
| Installationsumgebung                               | Outdoor        |
| Lichtquelle                                         | LED            |
| Circuit structure                                   | arrayLED       |
| Optik                                               | Flood          |
| Light emission direction                            | downward       |
| Lampe Nennleistung                                  | 7.2 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                                         | Ja             |
| Gesamtwinkel (horizontale Ebene)                    | 360 °          |
| Gesamtwinkel (vertikale Ebene)                      | 40 °           |
| Begehbarkeit                                        | Nein           |
| Überrollbarkeit                                     | Nein           |
| Einschließlich Kabel                                | Ja             |
| Kabellänge                                          | 1 m            |
| Harzbeschichtung                                    | Ja             |
| Typ Lichtabstrahlung                                | Einflammig     |
| Nettogewicht                                        | 1 Kg           |
| Schutz vor elektrostatischen Entladungen            | Ja             |
| Schutz vor Stoßspannungen                           | 1 KV           |
| 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                                 |
| Oberfläche flansch     |                                             |
| Material               | Aluminium 6026                              |
| Farbe                  | Schwarz                                     |
| Bearbeitungstyp        | Offenporige Anodisierung + Pulverlackierung |
| Cables Electrification |                                             |
| Cable connector        | No                                          |



Downlights | 198-264 V | 1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80  
**81918M20**

Single emission recessed downlights for outdoor application. The super warm white LED light source is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1041 lm, with a 144.6 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. 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

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 60 %           |
| Lichtstrom (Lichtquelle)              | 1041 lm        |
| Leuchten Lichtstrom                   | 625 lm         |
| Consumption                           | 8.5 W          |
| Leuchten Lichtausbeute                | 73 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

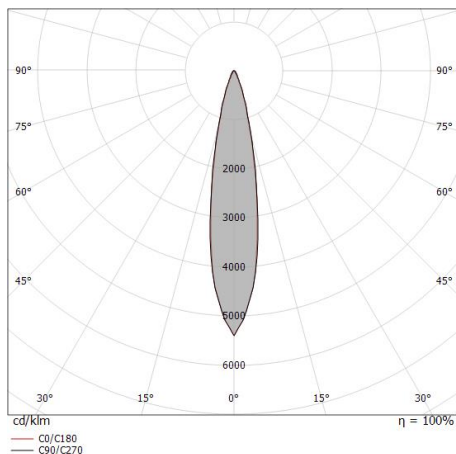
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 15.4     |
| UGR transversal   | 15.4     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 20°         |
| Light distribution simmetry | Symmetrical |



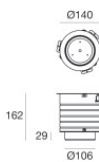
| Distance [m] | Cone diameter [m] | illuminance [lx]                                    |
|--------------|-------------------|-----------------------------------------------------|
| 0.5          | 0.18<br>0.17      | E(0°) 13497<br>E(C90) 10.0° 6495<br>E(C0) 9.9° 6518 |
| 1.0          | 0.35<br>0.35      | E(0°) 3374<br>E(C90) 10.0° 1624<br>E(C0) 9.9° 1630  |
| 1.5          | 0.53<br>0.52      | E(0°) 1500<br>E(C90) 10.0° 722<br>E(C0) 9.9° 724    |
| 2.0          | 0.71<br>0.70      | E(0°) 844<br>E(C90) 10.0° 406<br>E(C0) 9.9° 407     |
| 2.5          | 0.88<br>0.87      | E(0°) 540<br>E(C90) 10.0° 260<br>E(C0) 9.9° 261     |
| 3.0          | 1.06<br>1.05      | E(0°) 375<br>E(C90) 10.0° 180<br>E(C0) 9.9° 181     |

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 19.8°)  
 — C90/C270 (Half-peak divergence: 20.0°)



Guardian\_J | Downlights | Accessories  
**81918M20**



Einbaugehäuse

installationsposition: decke; typ installation: mauerwerk .

Material:Grau.

**Code**

99673