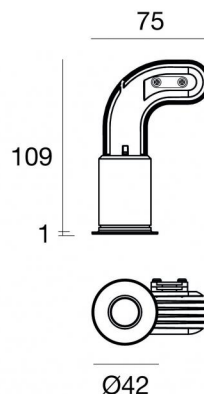




Downlights | 1 x powerLED 6 W DC 500 mA | CRI 80  
**90560W15**



| Technische Daten                                    |              |
|---|--------------|
| Installationsposition                               | Decke        |
| Installationsumgebung                               | Indoor       |
| Lichtquelle   | LED          |
| Circuit structure                                   | powerLED     |
| Optik   | Spot         |
| Light emission direction                            | downward     |
| Lampe Nennleistung                                  | 6 W DC       |
| Lichtstrom (Lichtquelle)                            | 659 lm       |
| Eingangsspannungsbereich                            | 500mA        |
| Ähnlichste Farbtemperatur / Tone                    | 3000 K       |
| Farbwiedergabeindex                                 | 80 Ra        |
| Gleichstrom/Gleichspannung                          | CC           |
| Isolierklasse                                       | 3            |
| IP  | IP44         |
| IP optisches System                                 | IP65         |
| Glühdrahtprüfung                                    | 850°         |
| Direkte Montage auf normal entflammaren Oberflächen | Ja           |
| CE  | Ja           |
| Einschließlich Driver                               | Nein         |
| Leuchte dimmbar                                     | DALI - 1-10V |
| Schwenkbarkeit                                      | Nein         |
| Drehbarkeit   | Nein         |
| Begehbarkeit  | Nein         |
| Überrollbarkeit                                     | Nein         |
| Einschließlich Kabel                                | Ja           |
| Kabellänge  | 0.170 m      |
| Harzbeschichtung                                    | Nein         |
| Typ Lichtabstrahlung                                | Einflammig   |
| Nettogewicht  | 0.128 Kg     |
| Schutz vor elektrostatischen Entladungen            | Nein         |
| Schutz vor Stoßspannungen                           | Nein         |
| Optiktechnologie                                    | F.O.L.       |
| Technische Merkmale des Produkts                    | TVS          |

### Oberfläche Gehäuse

|                 |                    |
|-----------------|--------------------|
| Material        | Aluminium 6026     |
| Farbe           | Weiß               |
| Bearbeitungstyp | Pulverbeschichtung |

### Oberfläche Diffusor

|          |                            |
|----------|----------------------------|
| Material | Polycarbonat UV-beständige |
| Farbe    | transparent                |

### Oberfläche strahler

|                 |  |
|-----------------|--|
| Material        | Stranggepresstes Aluminium EN AB - 46100 |
| Farbe           | Aluminium                                |
| Bearbeitungstyp | Polieren                                 |

### Elektronik



99106  
On/Off Driver 198-264V AC (2 - 3 art.)



99377  
On/Off Driver 198-264V AC (1 art.)



99714  
1-10V Controller (1 art.)



99715  
DALI Controller 198-264V AC / 180-275V DC (1 art.)

### Cables Electrification

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



Downlights | 1 x powerLED 6 W DC 500 mA | CRI 80  
**90560W15**

Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 powerLEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 659 lm, with a 109.8 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a white finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.128 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6 W. The power supply cable is included and features a 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 35 mm diameter hole (in plasterboard).

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)              | 67 %           |
| Lichtstrom (Lichtquelle)              | 659 lm         |
| Leuchten Lichtstrom                   | 446 lm         |
| Consumption                           | 6 W            |
| Leuchten Lichtausbeute                | 74 lm/W        |
| Farbtemperatur                        | 3000 K         |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Farbwiedergabeindex                   | 80 Ra          |

Standardumgebungstemperatur -20 / +50°C

Typische Temperatur am Glas 40°C

### LED Life / Failure Ratio

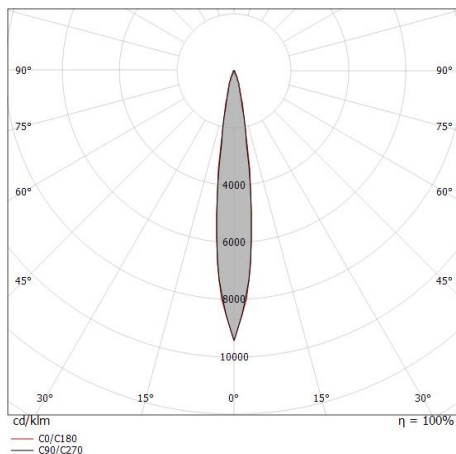
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 21.7     |
| UGR transversal   | 21.6     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 15°         |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx]                                   |
|--------------|-------------------|--|
| 0.5          | 0.18<br>0.15      | E(0°) 16812<br>E(C90) 7.3° 8248<br>E(C0) 7.4° 8218 |
| 1.0          | 0.26<br>0.26      | E(0°) 4203<br>E(C90) 7.3° 2062<br>E(C0) 7.4° 2055  |
| 1.5          | 0.38<br>0.39      | E(0°) 1868<br>E(C90) 7.3° 916<br>E(C0) 7.4° 913    |
| 2.0          | 0.51<br>0.52      | E(0°) 1051<br>E(C90) 7.3° 516<br>E(C0) 7.4° 514    |
| 2.5          | 0.64<br>0.65      | E(0°) 672<br>E(C90) 7.3° 330<br>E(C0) 7.4° 329     |
| 3.0          | 0.77<br>0.78      | E(0°) 467<br>E(C90) 7.3° 229<br>E(C0) 7.4° 228     |

— C0/C180 (Half-peak divergence: 14.8°)  
 — C90/C270 (Half-peak divergence: 14.6°)