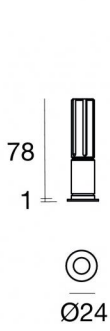
Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90

**80012W45**








| Technische Daten | |
|---|---|
| Jahr der Verwirklichung | 2023 |
| Installationsposition | Decke |
| Installationsumgebung | Indoor |
| Lichtquelle | LED |
| Circuit structure | powerLED |
| Optik | Medium Wide Flood |
| Light emission direction | downward |
| Lampe Nennleistung | 2 W DC |
| Lichtstrom (Lichtquelle) | 213 lm |
| Eingangsspannungsbereich | 630mA |
| Ähnlichste Farbtemperatur / Tone | 3000 K |
| Farbwiedergabeindex | 90 Ra |
| Gleichstrom/Gleichspannung | CC |
| Isolierklasse | 3 |
| IP | IP44 |
| IP optisches System | IP65 |
| Glühdrahtprüfung | 850° |
| Direkte Montage auf normal entflammbaren 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 |
| Einbautiefe | 78 mm |
| Typ Lichtabstrahlung | Einflammig |
| Nettogewicht | 0.047 Kg |
| Schutz vor elektrostatischen Entladungen | Nein |
| Schutz vor Stoßspannungen | Nein |
| Optiktechnologie | F.O.L. |
| Technische Merkmale des Produkts | TVS |

| Oberfläche Oberfläche Gehäuse | |
|---|---|
| Material | Aluminiumlegierung 6026 |
| Farbe | Text black RAL9005 |
| Bearbeitungstyp | Pulverbeschichtung mit duroplastischen Pulvern |

| Oberfläche Oberfläche diffusor | |
|---|---|
| Material | UV beständiges Polycarbonat |
| Farbe | Transparent |

| Oberfläche Oberfläche strahler | |
|---|---|
| Material | Aluminiumlegierung 6026 |
| Farbe | Anodised aluminium |
| Bearbeitungstyp | Anodisierung 20 µm |

**Elektronik**



89147
On/Off Driver 198~264V AC / 180~275V DC (1 - 2 art.)



99105
On/Off Driver 198~264V AC (1 - 12 art.)



99374
On/Off Driver 198~264V AC / 176~275V DC 75 W (1 - 37 art.)



99710
1-10V - 0-10V Converter V DC (1 art.)



99713
DALI Converter V DC (1 art.)



99376
On/Off Driver 198~264V AC (1 - 6 art.)

| Cables Electrification | |
|---|---|
| Cable connector | No |



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Downlights | 1 x powerLED 2 W DC 630 mA | CRI 90
**80012W45**

Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 powerled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 213 lm, with a 106.5 lm/W nominal luminous efficacy.

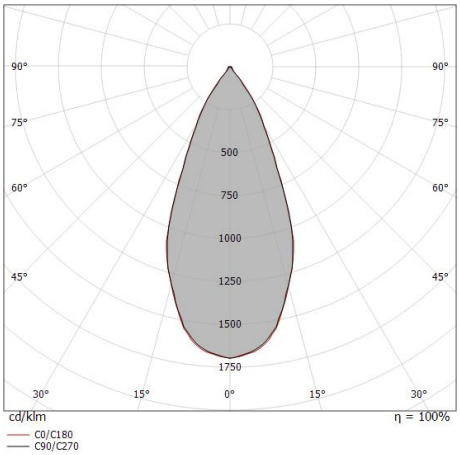
The device body is made of aluminium alloy 6026 and features a text black ral9005 finish, processed by means of powder coating with thermosetting powders; the diffuser is made of uv resistant polycarbonate.

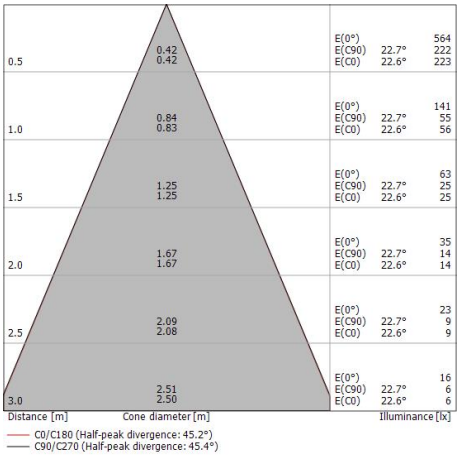
The ingress protection degree is IP44; the total weight is of 0.047 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 2 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 20 mm diameter hole (in plasterboard).

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




| Energieeffizienzklasse |
|---|
| Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse F. |

| Illuminotechnical Eigenschaften | |
|---|---|
| Light Output Ratio (LOR) | 39 % |
| Lichtstrom (Lichtquelle) | 213 lm |
| Leuchten Lichtstrom | 84 lm |
| Consumption | 2,0 W |
| Leuchten Lichtausbeute | 42 lm/W |
| Farbtemperatur | 3000 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Farbwiedergabeindex | 90 Ra |
| Standardumgebungstemperatur | -20 / +50°C |
| Typische Temperatur am Glas | 40°C |

| LED Life / Failure Ratio |
|---|
| L70 B10 C0 214455h (at Tj 65 Ta 25 ) |
| L80 B10 C0 136355h (at Tj 65 Ta 25 ) |
| L90 B10 C0 67466h (at Tj 65 Ta 25 ) |

| UGR | |
|---|---|
| UGR axial | 22 |
| UGR transversal | 21.6 |
| X=4H \| Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

| OPTICAL | |
|---|---|
| Optik C0/C180 | 45° |
| Light distribution simmetry | Symmetrical |



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