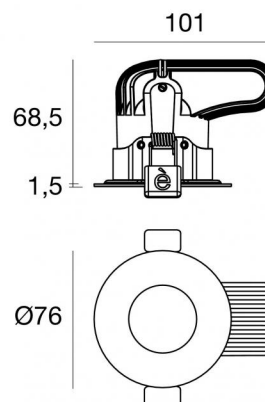


Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90  
91749W60



| Technische Daten                                    |                   |
|-----------------------------------------------------|-------------------|
| Installationsposition                               | Decke             |
| Installationsumgebung                               | Indoor            |
| Lichtquelle                                         | LED               |
| Circuit structure                                   | arrayLED          |
| Optik                                               | Medium Wide Flood |
| Light emission direction                            | downward          |
| Lampe Nennleistung                                  | 12.5 W DC         |
| Lichtstrom (Lichtquelle)                            | 1705 lm           |
| Eingangsspannungsbereich                            | 350mA             |
| Ähnlichste Farbtemperatur / Tone                    | 3000 K            |
| Farbwiedergabeindex                                 | 90 Ra             |
| Gleichstrom/Gleichspannung                          | CC                |
| Isolierklasse                                       | 3                 |
| IP                                                  | IP44              |
| IP optisches System                                 | IP65              |
| IK                                                  | IK08              |
| 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                                          | 0.300 m           |
| Harzbeschichtung                                    | Nein              |
| Einbautiefe                                         | 68.5 mm           |
| Typ Lichtabstrahlung                                | Einflammig        |
| Nettogewicht                                        | 0.26 Kg           |
| Schutz vor elektrostatischen Entladungen            | Nein              |
| Schutz vor Stoßspannungen                           | Nein              |

#### Oberfläche Oberfläche Gehäuse

|                 |                                                |
|-----------------|------------------------------------------------|
| Material        | Stranggepresstes Aluminium EN AB - 46100       |
| Farbe           | Text white RAL9003                             |
| Bearbeitungstyp | Pulverbeschichtung mit duroplastischen Pulvern |

#### Oberfläche Oberfläche diffusor

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

#### Oberfläche Oberfläche strahler

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

#### Elektronik

|  |                                                                     |
|--|---------------------------------------------------------------------|
|  | 99115<br>1-10V - N/O button Multi Power 198-264V AC / V DC (1 art.) |
|--|---------------------------------------------------------------------|

|  |                                             |
|--|---------------------------------------------|
|  | 99375<br>On/Off Driver 198-264V AC (1 art.) |
|--|---------------------------------------------|

|  |                                                           |
|--|-----------------------------------------------------------|
|  | 83322<br>Push and Simply Dim - DALI-2 Controller (1 art.) |
|--|-----------------------------------------------------------|

#### Cables Electrification

|                 |                       |
|-----------------|-----------------------|
| Cable connector | MALE JST SMR-02V-B    |
| Cable connector | FEMALE JST SMR-02V-BC |

Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90  
91749W60

Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1705 lm, with a 136.4 lm/W nominal luminous efficacy.

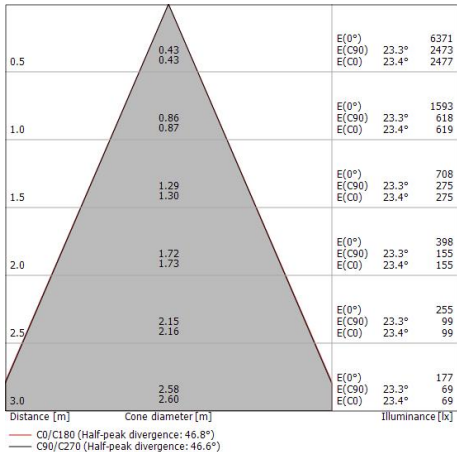
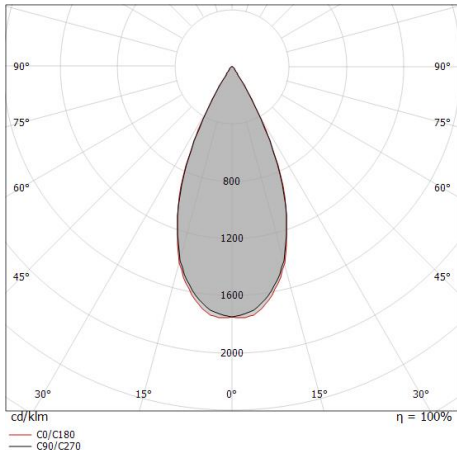
The device body is made of die-cast aluminium en ab - 46100 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders; the diffuser is made of uv resistant polycarbonate.

The ingress protection degree is IP44; the total weight is of 0.26 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12.5 W The power supply cable is included and features a 0.300 m length.

The device features protection class III and can be ceiling-mounted, with a 68 mm diameter hole (in plasterboard).

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



Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 53 %           |
| Lichtstrom (Lichtquelle)              | 1705 lm        |
| Leuchten Lichtstrom                   | 911 lm         |
| Consumption                           | 8 W            |
| Leuchten Lichtausbeute                | 113 lm/W       |
| Farbtemperatur                        | 3000 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 90 Ra          |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

LED Life / Failure Ratio

L70 B10 C0 211958h (at Tj 65 Ta 25 )

L80 B10 C0 132729h (at Tj 65 Ta 25 )

L90 B10 C0 62845h (at Tj 65 Ta 25 )

UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 16.1     |
| UGR transversal   | 16       |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 47°         |
| Light distribution simmetry | Symmetrical |

Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90  
91749W60

Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1705 lm, with a 136.4 lm/W nominal luminous efficacy.

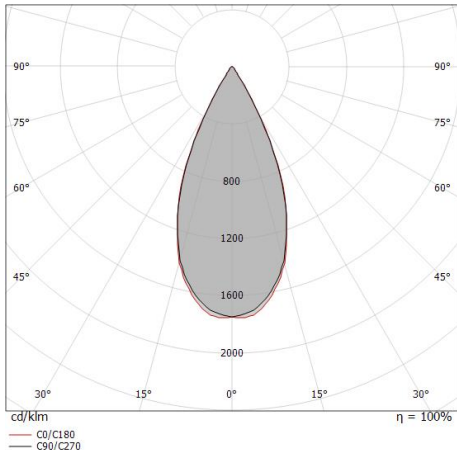
The device body is made of die-cast aluminium en ab - 46100 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders; the diffuser is made of uv resistant polycarbonate.

The ingress protection degree is IP44; the total weight is of 0.26 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12.5 W The power supply cable is included and features a 0.300 m length.

The device features protection class III and can be ceiling-mounted, with a 68 mm diameter hole (in plasterboard).

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



|     |              |                          |                |                      |
|-----|--------------|--------------------------|----------------|----------------------|
| 0.5 | 0.43<br>0.43 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 9551<br>3708<br>3713 |
| 1.0 | 0.86<br>0.87 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 2388<br>927<br>928   |
| 1.5 | 1.29<br>1.30 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 1061<br>412<br>413   |
| 2.0 | 1.72<br>1.73 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 597<br>232<br>232    |
| 2.5 | 2.15<br>2.16 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 382<br>148<br>149    |
| 3.0 | 2.58<br>2.60 | E(0°)<br>E(C90)<br>E(C0) | 23.3°<br>23.4° | 265<br>103<br>103    |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 46.8°)  
— C90/C270 (Half-peak divergence: 46.6°)

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

| Illuminotechnical Eigenschaften       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 80 %           |
| Lichtstrom (Lichtquelle)              | 1705 lm        |
| Leuchten Lichtstrom                   | 1365 lm        |
| Consumption                           | 13 W           |
| Leuchten Lichtausbeute                | 105 lm/W       |
| Farbtemperatur                        | 3000 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 90 Ra          |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

| LED Life / Failure Ratio             |  |
|--------------------------------------|--|
| L70 B10 C0 211958h (at Tj 65 Ta 25 ) |  |
| L80 B10 C0 132729h (at Tj 65 Ta 25 ) |  |
| L90 B10 C0 62845h (at Tj 65 Ta 25 )  |  |

| UGR               |          |
|-------------------|----------|
| UGR axial         | 17.6     |
| UGR transversal   | 17.4     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

| OPTICAL                     |             |
|-----------------------------|-------------|
| Optik C0/C180               | 47°         |
| Light distribution simmetry | Symmetrical |