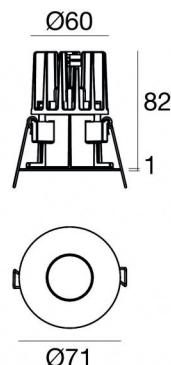




Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77331W45



| Technische Daten                                    |                   |
|---|-------------------|
| Installationsposition                               | Decke             |
| Installationsumgebung                               | Indoor            |
| Lichtquelle   | LED               |
| Circuit structure                                   | arrayLED          |
| Optik   | Medium Wide Flood |
| Light emission direction                            | downward          |
| Lampe Nennleistung                                  | 9 W DC            |
| Lichtstrom (Lichtquelle)                            | 1119 lm           |
| Eingangsspannungsbereich                            | 700mA             |
| Ähnlichste Farbtemperatur / Tone                    | 3000 K            |
| Farbwiedergabeindex                                 | 90 Ra             |
| Gleichstrom/Gleichspannung                          | CC                |
| Isolierklasse                                       | 3                 |
| IP  | IP40              |
| 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  | 0.2 m             |
| Harzbeschichtung                                    | Nein              |
| Typ Lichtabstrahlung                                | Einflammig        |
| Nettogewicht  | 0.2 Kg            |
| Schutz vor elektrostatischen Entladungen            | Nein              |
| Schutz vor Stoßspannungen                           | Nein              |

### Oberfläche Gehäuse

|                 |               |
|-----------------|---------------|
| Material        | Technopolymer |
| Farbe           | Schwarz       |
| Bearbeitungstyp | Lackierung    |

### Oberfläche Diffusor

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

### Oberfläche strahler

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

### Elektronik



99147  
On/Off Driver 198-264V AC



99735  
Multi Power 198-264V AC / 180-275V DC



99733  
1-10V Multi Power 198-264V AC / 180-275V DC



C-E100012  
Push and Simply Dim - DALI-2 Controller



C-E100016  
Push and Simply Dim - DALI-2 Controller

### Cables Electrification

|                 |                                   |
|-----------------|-----------------------------------|
| Cable connector | JST Quick connector Male + Female |
|-----------------|-----------------------------------|



## Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 77331W45

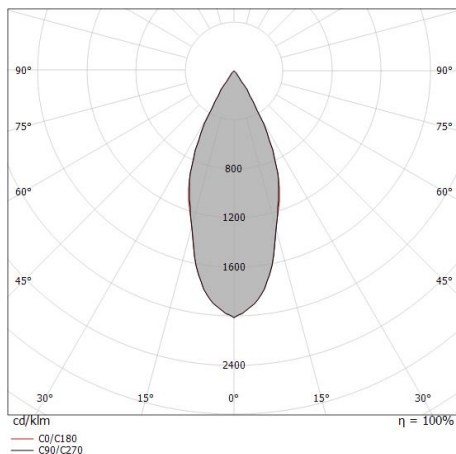
Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1119 lm, with a 124.3 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish, processed by means of coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 9 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be ceiling-mounted, with a 64 mm diameter hole (in plasterboard) with an outer casing, code 99849(for concrete or masonry).

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



| Distance [m] | Cone diameter [m] | illuminance [lx]                        |
|--------------|-------------------|---|
| 0.5          | 0.38<br>0.39      | E(0°) 5119<br>E(C90) 2092<br>E(C0) 2084 |
| 1.0          | 0.77<br>0.78      | E(0°) 1280<br>E(C90) 523<br>E(C0) 521   |
| 1.5          | 1.15<br>1.16      | E(0°) 569<br>E(C90) 232<br>E(C0) 232    |
| 2.0          | 1.54<br>1.55      | E(0°) 320<br>E(C90) 131<br>E(C0) 130    |
| 2.5          | 1.92<br>1.94      | E(0°) 205<br>E(C90) 84<br>E(C0) 83      |
| 3.0          | 2.30<br>2.33      | E(0°) 142<br>E(C90) 58<br>E(C0) 58      |

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 56 %           |
| Lichtstrom (Lichtquelle)              | 1119 lm        |
| Leuchten Lichtstrom                   | 636 lm         |
| Consumption                           | 9 W            |
| Leuchten Lichtausbeute                | 70 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 112960h (at Tj 65 Ta 25 )



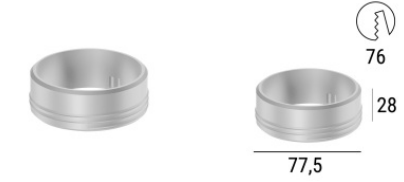




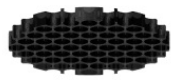

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 17.5     |
| UGR transversal   | 17.5     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |









### OPTICAL

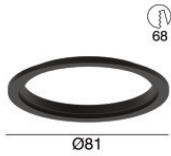
|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 42°         |
| Light distribution simmetry | Symmetrical |



|  |  |  |
|--|--|--|
|    | <p>Einbaugehäuse<br/>installationsposition: decke; typ installation: mauerwerk L=200mm, H=113mm, D=137mm.<br/>Material:Polypropylen, farbe:Weiß.</p>   | <p><b>Code</b><br/>89373</p>   |
|    | <p>Einbaugehäuse<br/>installationsposition: decke; typ installation: mauerwerk L=370mm, H=120mm, D=200mm.<br/>Material:Polypropylen, farbe:Weiß.</p>   | <p><b>Code</b><br/>89374</p>   |
|   | <p>Einbaugehäuse<br/>installationsposition: decke; typ installation: gipskarton L=77.5mm, H=28mm, D=77.5mm.<br/>Material:Aluminium, farbe:Eloxiertes Aluminium, bearbeitungstyp :Eloxierung.</p> | <p><b>Finish</b><br/> <b>Code</b><br/>99849</p> |
|  | <p>Optik<br/>Lichtverteilung: medium wide flood,Material Verkleidung: polycarbonat uv-beständige</p>   | <p><b>Code</b><br/>83372</p>   |
|  | <p>Optik<br/>Lichtverteilung: medium flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>   | <p><b>Code</b><br/>83371</p>   |
|  | <p>Optik<br/>Lichtverteilung: spot,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>   | <p><b>Code</b><br/>83370</p>   |
|  | <p>Blendschutz<br/>Blendschutzart: wabenraster.<br/>Material:Pom-C, farbe:Schwarz.</p>   | <p><b>Code</b><br/>83367</p>   |
|  | <p>Diffusor<br/>Diffusorart: filtro ellittico</p>  | <p><b>Code</b><br/>83368</p>   |



|   |  |                                     |
|---|--|-------------------------------------|
|               | <p>Diffusor<br/>Diffusorart: ästhetischer filter</p>                   | <p><b>Code</b><br/><u>83369</u></p> |
|              | <p>Weißes Quantum_R Frontal-Kit</p>                                    | <p><b>Code</b><br/><u>83361</u></p> |
|              | <p>Schwarzes Quantum_R Frontal-Kit</p>                                 | <p><b>Code</b><br/><u>83362</u></p> |
|            | <p>Schwarzes Vos_R Frontal-Kit</p>                                     | <p><b>Code</b><br/><u>83366</u></p> |
|            | <p>Weißes Vos_R Frontal-Kit</p>  | <p><b>Code</b><br/><u>83365</u></p> |
|            | <p>Schwarzes Warp_R frontal-Kit</p>                                    | <p><b>Code</b><br/><u>83364</u></p> |
|            | <p>Weißes Warp_R frontal-Kit</p>                                       | <p><b>Code</b><br/><u>83363</u></p> |
|  <p>Ø81</p> | <p>Weißer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO</p> | <p><b>Code</b><br/><u>83393</u></p> |



Schwarzer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

**Code**  
83394



Gold Quantum\_R EVO Frontal Kit

**Code**  
C-K400038



Kupfer Quantum\_R EVO frontal Kit

**Code**  
C-K400039



Gold Warp\_R EVO frontal Kit

**Code**  
C-K400040



Kupfer Warp\_R EVO frontal Kit

**Code**  
C-K400041



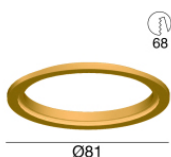
Gold Vos\_R Frontal-Kit

**Code**  
C-K400042



Kupfer Vos\_R EVO Frontal Kit

**Code**  
C-K400043

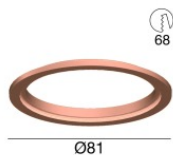


Gold vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

**Code**  
C-K400044



Vos\_EVO | Downlights | Accessories  
**77331W45**



Kupfer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

**Code**

C-K400045