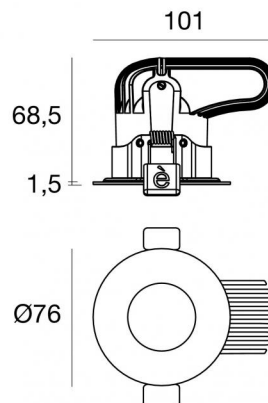


Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90
80801N30



| Technische Daten | |
|---|--------------|
| Installationsposition | Decke |
| Installationsumgebung | Indoor |
| Lichtquelle | LED |
| Circuit structure | arrayLED |
| Optik | Flood |
| Light emission direction | downward |
| Lampe Nennleistung | 12.5 W DC |
| Lichtstrom (Lichtquelle) | 1736 lm |
| Eingangsspannungsbereich | 350mA |
| Ähnlichste Farbtemperatur / Tone | 4000 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 |
| Typ Lichtabstrahlung | Einflammig |
| Nettogewicht | 0.26 Kg |
| Schutz vor elektrostatischen Entladungen | Nein |
| Schutz vor Stoßspannungen | Nein |
| Optiktechnologie | Honey comb |

Oberfläche Gehäuse

| | |
|-----------------|--|
| Material | Stranggepresstes Aluminium EN AB - 46100 |
| Farbe | Grau |
| Bearbeitungstyp | Pulverbeschichtung |

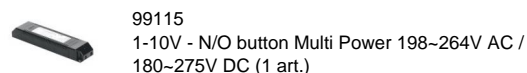
Oberfläche Diffusor

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

Oberfläche strahler

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

Elektronik



Cables Electrification

Cable connector FEMALE JST SMR-02V-BC

Cable connector MALE JST SMR-02V-B



Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90 80801N30

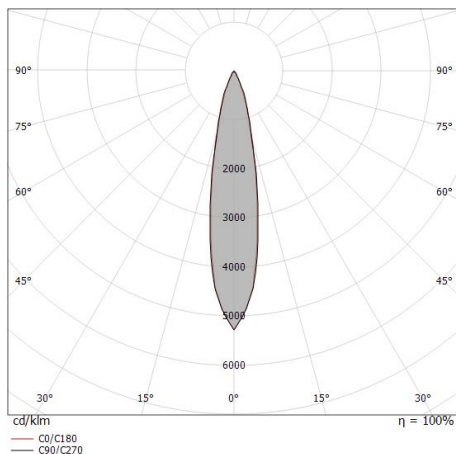
Single emission recessed downlights for indoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1736 lm, with a 138.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey 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 0.26 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.



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.18 0.18 | E(0°) 13711 E(C90) 10.4° 6553 E(C0) 10.1° 6616 |
| 1.0 | 0.37 0.36 | E(0°) 3428 E(C90) 10.4° 1638 E(C0) 10.1° 1654 |
| 1.5 | 0.55 0.53 | E(0°) 1523 E(C90) 10.4° 738 E(C0) 10.1° 735 |
| 2.0 | 0.73 0.71 | E(0°) 857 E(C90) 10.4° 410 E(C0) 10.1° 413 |
| 2.5 | 0.92 0.89 | E(0°) 548 E(C90) 10.4° 262 E(C0) 10.1° 265 |
| 3.0 | 1.10 1.07 | E(0°) 381 E(C90) 10.4° 182 E(C0) 10.1° 184 |

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

— C0/C180 (Half-peak divergence: 20.2°)
— C90/C270 (Half-peak divergence: 20.8°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

| | |
|---------------------------------------|----------------|
| Light Output Ratio (LOR) | 37 % |
| Lichtstrom (Lichtquelle) | 1736 lm |
| Leuchten Lichtstrom | 650 lm |
| Consumption | 8 W |
| Leuchten Lichtausbeute | 81 lm/W |
| Farbtemperatur | 4000 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 296960h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR transversal | 10.3 |
| UGR axial | 10.5 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

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

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

80801N30

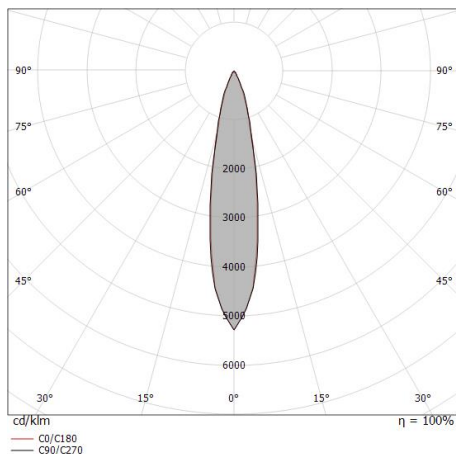
Single emission recessed downlights for indoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1736 lm, with a 138.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a grey 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 0.26 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.



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.18 0.18 | E(0°) 20556 E(C90) 10.4° 9824 E(C0) 10.1° 9919 |
| 1.0 | 0.37 0.36 | E(0°) 5139 E(C90) 10.4° 2456 E(C0) 10.1° 2480 |
| 1.5 | 0.55 0.53 | E(0°) 2284 E(C90) 10.4° 1092 E(C0) 10.1° 1102 |
| 2.0 | 0.73 0.71 | E(0°) 1285 E(C90) 10.4° 614 E(C0) 10.1° 620 |
| 2.5 | 0.92 0.89 | E(0°) 822 E(C90) 10.4° 393 E(C0) 10.1° 397 |
| 3.0 | 1.10 1.07 | E(0°) 571 E(C90) 10.4° 273 E(C0) 10.1° 276 |

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

— C0/C180 (Half-peak divergence: 20.2°)
— C90/C270 (Half-peak divergence: 20.8°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

| | |
|---------------------------------------|----------------|
| Light Output Ratio (LOR) | 56 % |
| Lichtstrom (Lichtquelle) | 1736 lm |
| Leuchten Lichtstrom | 975 lm |
| Consumption | 13 W |
| Leuchten Lichtausbeute | 75 lm/W |
| Farbtemperatur | 4000 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 296960h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR transversal | 11.7 |
| UGR axial | 11.9 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

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