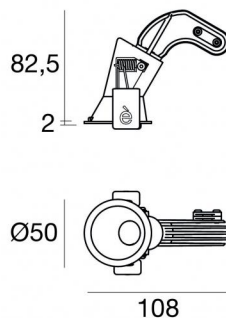




Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
**90835N15**



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Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	powerLED
Optik	Spot
Light emission direction	downward
Lampe Nennleistung	4 W DC
Lichtstrom (Lichtquelle)	449 lm
Eingangsspannungsbereich	350mA
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	90 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	0.078 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	F.O.L. - Honey comb
Technische Merkmale des Produkts	TVS

### Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Schwarz
Bearbeitungstyp	Pulverbeschichtung


### Oberfläche Diffusor


Material	Polycarbonat UV-beständige
Farbe	transparent


### Oberfläche strahler


Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Aluminium
Bearbeitungstyp	Polieren

### Elektronik

 89145  
On/Off Driver 198-264V AC / 180-275V DC

 99375  
On/Off Driver 198-264V AC

 C-E100010  
1-10V - 0-10V Controller

 C-E100011  
Push and Simply Dim - DALI-2 Controller

### Cables Electrification

Cable connector	No
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Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
**90835N15**

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 449 lm, with a 112.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black 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 0.078 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 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 46 mm diameter hole (in plasterboard).

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

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse F.

### Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	36 %
Lichtstrom (Lichtquelle)	449 lm
Leuchten Lichtstrom	166 lm
Consumption	4 W
Leuchten Lichtausbeute	41 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Black Body Locus	On

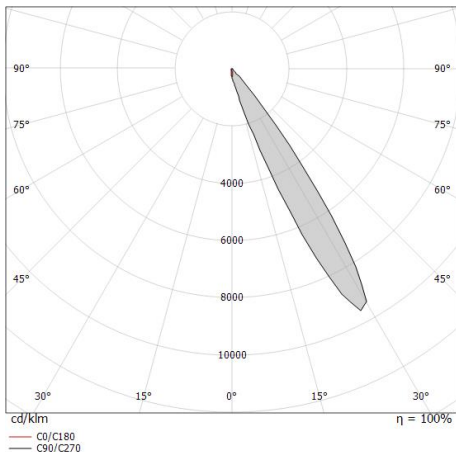
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

### LED Life / Failure Ratio

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

### OPTICAL

Optik C0/C180	31°
Light distribution simmetry	Asymmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.28	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 188 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 84
1.0	0.56	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 47 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 21
1.5	0.84	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 21 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 9
2.0	1.12	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 12 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 5
2.5	1.40	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 8 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 3
3.0	1.68	$\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 5 $\frac{E(0^\circ)}{E(C0)} 15.6^\circ$ 2

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0/C180 (Half-peak divergence: 31.2°)

