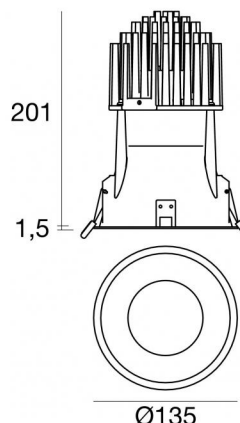


# Warp\_R PRO



Downlights | 1 arrayLED 25 W DC 700 mA | CRI 90  
83774M15



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Spot
Light emission direction	downward
Lampe Nennleistung	25 W DC
Lichtstrom (Lichtquelle)	3967 lm
Eingangsspannungsbereich	700mA
Ähnlichste Farbtemperatur / Tone	2700 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	0.300 m
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.93 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	F.O.L.

## Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Weiß
Bearbeitungstyp	Pulverbeschichtung

## Oberfläche Diffusor

Material	Polycarbonat UV-beständige
Farbe	transparent

## Oberfläche strahler

Material	Stranggepresstes Aluminium EN AB - 46100
Bearbeitungstyp	Trommelung

## Elektronik



99112  
On/Off Driver 198-264V AC (1 art.)



83066  
1-10V - Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100031  
DALI - Push and Simply Dim Multi Power 198-264V AC / 180-275V DC (1 art.)

## Cables Electrification

Cable connector	Male Easy plug
IP (locked condition)	66



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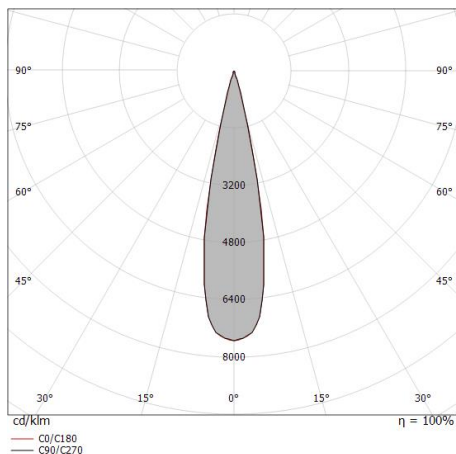
Single emission recessed downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3967 lm, with a 158.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.93 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 25 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 127 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	0.20 0.20	E(0°) 36545 E(C90) 11.1° 17494 E(C0) 11.2° 17284
1.0	0.39 0.40	E(0°) 9136 E(C90) 11.1° 4373 E(C0) 11.2° 4321
1.5	0.59 0.59	E(0°) 4061 E(C90) 11.1° 1944 E(C0) 11.2° 1920
2.0	0.78 0.79	E(0°) 2284 E(C90) 11.1° 1093 E(C0) 11.2° 1080
2.5	0.98 0.99	E(0°) 1462 E(C90) 11.1° 700 E(C0) 11.2° 691
3.0	1.18 1.19	E(0°) 1015 E(C90) 11.1° 486 E(C0) 11.2° 480

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

— C0/C180 (Half-peak divergence: 22.4°)  
 — C90/C270 (Half-peak divergence: 22.2°)

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	30 %
Lichtstrom (Lichtquelle)	3967 lm
Leuchten Lichtstrom	1211 lm
Consumption	25 W
Leuchten Lichtausbeute	48 lm/W
Farbtemperatur	2700 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 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	5.2
UGR transversal	4.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Optik C0/C180	22°
Light distribution simmetry	Symmetrical