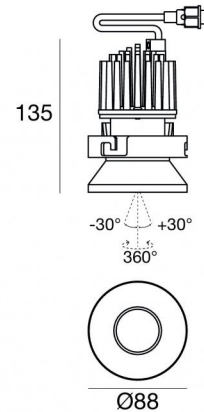




Downlights | 1 arrayLED 15 W DC 400 mA | CRI 90
80649M15



Technische Daten	
Typ	Halbeinbau
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Spot
Light emission direction	downward
Lampe Nennleistung	15 W DC
Lichtstrom (Lichtquelle)	2214 lm
Eingangsspannungsbereich	400mA
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	Ja
Gesamtwinkel (horizontale Ebene)	360 °
Gesamtwinkel (vertikale Ebene)	60 °
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	0.370 m
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.480 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	F.O.L.

Oberfläche Gehäuse

Material	Aluminium 6026
Farbe	Schwarz
Bearbeitungstyp	Pulverbeschichtung


Oberfläche Diffusor


Material	Polycarbonat UV-beständige
Farbe	transparent

Oberfläche strahler

Material	Stranggepresstes Aluminium EN AB - 46100
Bearbeitungstyp	Trommelung

Elektronik

 99740
Multi Power 198~264V AC / 180~275V DC (1 art.)

 99739
1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)

 C-E100032
Push and Simply Dim - DALI-2 Controller (1 art.)

Cables Electrification

Cable connector	MALE JST SMR-02V-B
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Downlights | 1 arrayLED 15 W DC 400 mA | CRI 90 80649M15

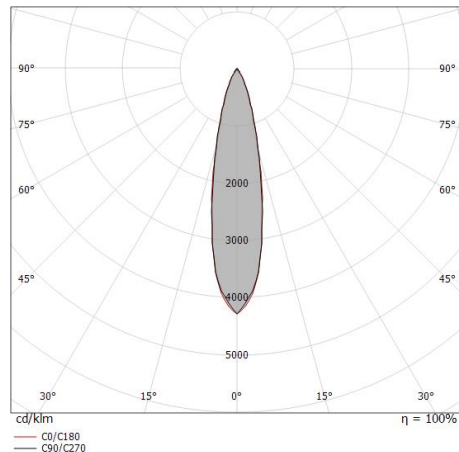
Single emission recessed downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 2214 lm, with a 147.6 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 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 0.480 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 15 W. The power supply cable is included and features a 0.370 m length.

The device features protection class III and can be ceiling-mounted with an outer casing, code 98537(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.20 0.21	E(0°) 16356 E(C90) 11.5° 7761 E(C0) 11.7° 7723
1.0	0.41 0.41	E(0°) 4089 E(C90) 11.5° 1940 E(C0) 11.7° 1931
1.5	0.61 0.62	E(0°) 1817 E(C90) 11.5° 862 E(C0) 11.7° 858
2.0	0.81 0.83	E(0°) 1022 E(C90) 11.5° 485 E(C0) 11.7° 483
2.5	1.02 1.04	E(0°) 654 E(C90) 11.5° 310 E(C0) 11.7° 309
3.0	1.22 1.24	E(0°) 454 E(C90) 11.5° 216 E(C0) 11.7° 215

— C0/C180 (Half-peak divergence: 23.4°)
— C90/C270 (Half-peak divergence: 23.0°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	43 %
Lichtstrom (Lichtquelle)	2214 lm
Leuchten Lichtstrom	954 lm
Consumption	15 W
Leuchten Lichtausbeute	63 lm/W
Farbtemperatur	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

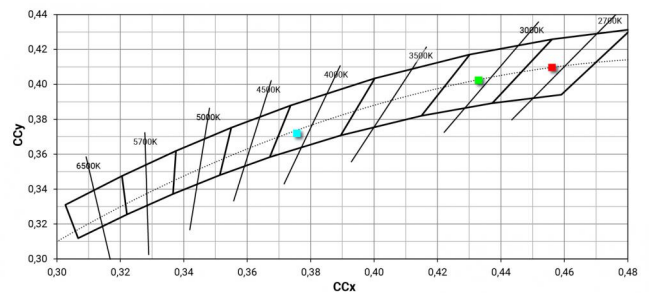
UGR

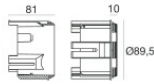
UGR axial	11.4
UGR transversal	11.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	23°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





Einbaugehäuse

installationsposition: decke; typ installation: gipskarton L=105mm, H=81mm, D=105mm.

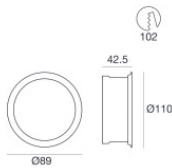
Material:ABS + Glasfaser 15%, farbe:Weiß, bearbeitungstyp :roh.

Finish

White

Code

98500



Einbaugehäuse - Einbaugehäuse

installationsposition: decke; typ installation: gipskarton L=110mm, H=42.5mm, D=110mm.

Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Lackierung.

Finish

Black

Code

98537