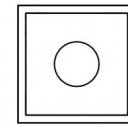
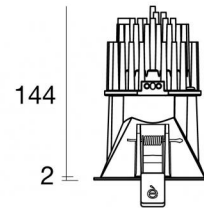




Downlights | 1 arrayLED 15 W DC 400 mA | CRI 92
90789N15



□100



91

Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Spot
Lampe Nennleistung	15 W DC
Lichtstrom (Lichtquelle)	1804 lm
Eingangsspannungsbereich	400mA
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	92 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	0.511 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	Honey comb

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
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.)



Downlights | 1 arrayLED 15 W DC 400 mA | CRI 92 90789N15

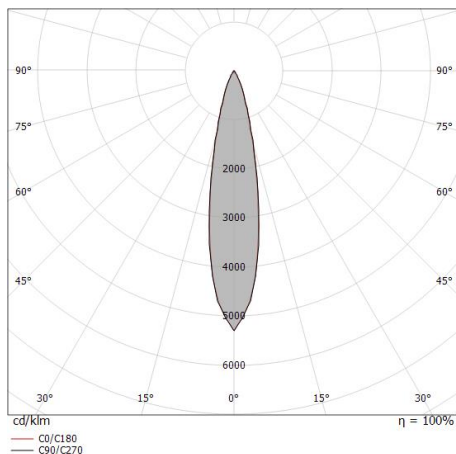
Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 92; the source luminous flux is 1804 lm, with a 120.3 lm/W nominal luminous efficacy.

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 0.511 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 0.300 m length.

The device features protection class III and can be ceiling-mounted, with a 91 x 91 mm hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.19 0.19	E(0°) 20796 E(C90) 10.7° 9897 E(C0) 10.6° 9900
1.0	0.38 0.37	E(0°) 5199 E(C90) 10.7° 2474 E(C0) 10.6° 2475
1.5	0.57 0.56	E(0°) 2311 E(C90) 10.7° 1100 E(C0) 10.6° 1100
2.0	0.76 0.75	E(0°) 1300 E(C90) 10.7° 619 E(C0) 10.6° 619
2.5	0.94 0.94	E(0°) 832 E(C90) 10.7° 396 E(C0) 10.6° 396
3.0	1.13 1.12	E(0°) 578 E(C90) 10.7° 275 E(C0) 10.6° 275

— C0/C180 (Half-peak divergence: 21.2°)
— C90/C270 (Half-peak divergence: 21.4°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	54 %
Lichtstrom (Lichtquelle)	1804 lm
Leuchten Lichtstrom	982 lm
Consumption	15 W
Leuchten Lichtausbeute	65 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	92 Ra
Gamut Area Index	81 GAI
Colour Rendering Index	61 R9
IES TM-30 Rf	89
IES TM-30 Rg	100
Black Body Locus	On
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 axial	10
UGR transversal	10.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	21°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC

