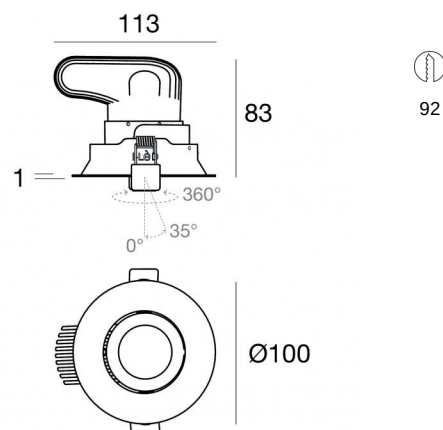
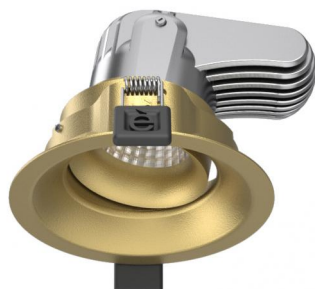


Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80
93418W15



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Spot
Light emission direction	downward
Lampe Nennleistung	8 W DC
Lichtstrom (Lichtquelle)	1088 lm
Eingangsspannungsbereich	220mA
Ähnlichste Farbtemperatur / Tone	3000 K
Farbwiedergabeindex	80 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	Ja
Gesamtwinkel (horizontale Ebene)	350 °
Gesamtwinkel (vertikale Ebene)	35 °
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	0.300 m
Harzbeschichtung	Nein
Einbautiefe	82 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.340 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein

Oberfläche Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Polished (galvanic) gold
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Oberfläche Oberfläche diffusor

Material	UV beständiges Polycarbonat
Farbe	Transparent

Oberfläche Oberfläche strahler

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Aluminium
Bearbeitungstyp	Polieren

Elektronik

	99198 On/Off Driver 198~264V AC (1 art.)
	99732 1-10V Multi Power 198~264V AC / V DC (1 art.)
	99730 DALI - Push and Simply Dim Multi Power 198~264V AC / 180~275V DC (1 art.)
	83231 DALI-2 Multi Power 198~264V AC / 176~280V DC (1 art.)

Cables Electrification

Cable connector	MALE JST SMR-02V-B
Cable connector	FEMALE JST SMR-02V-BC

Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80
93418W15

Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 1088 lm, with a 136.0 lm/W nominal luminous efficacy.

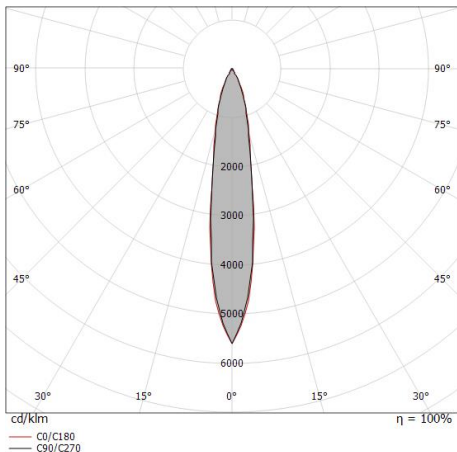
The device body is made of die-cast aluminium en ab - 46100 and features a polished (galvanic) gold finish, processed by means of powder coating with thermosetting powders; the diffuser is made of uv resistant polycarbonate.

The ingress protection degree is IP44; the total weight is of 0.340 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 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 92 mm diameter hole (in plasterboard).

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



Distance [m]	Cone diameter [mm]	illuminance [lx]
0.5	0.15 0.16	E(0°) 17396 E(C90) 8432 E(C0) 8423
1.0	0.31 0.32	E(0°) 4349 E(C90) 2108 E(C0) 2106
1.5	0.46 0.48	E(0°) 1933 E(C90) 937 E(C0) 936
2.0	0.61 0.63	E(0°) 1087 E(C90) 527 E(C0) 526
2.5	0.77 0.79	E(0°) 696 E(C90) 337 E(C0) 337
3.0	0.92 0.95	E(0°) 483 E(C90) 234 E(C0) 234

— C0/C180 (Half-peak divergence: 18.0°)
— C90/C270 (Half-peak divergence: 17.4°)

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	71 %
Lichtstrom (Lichtquelle)	1088 lm
Leuchten Lichtstrom	777 lm
Consumption	8 W
Leuchten Lichtausbeute	97 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	80 Ra
Gamut Area Index	55 GAI
Colour Rendering Index	10 R9
IES TM-30 Rf	83
IES TM-30 Rg	96
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	13
UGR transversal	13
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	17°
Light distribution simmetry	Symmetrical

