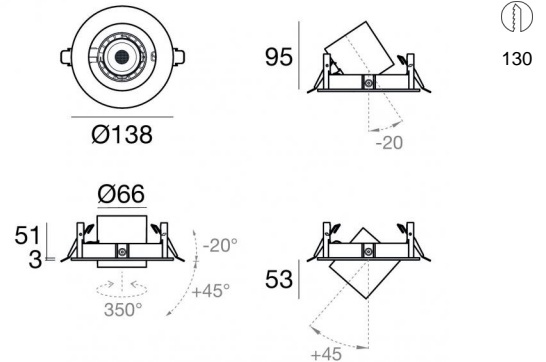




Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98
81663W60



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Wide Flood
Light emission direction	downward
Lampe Nennleistung	18 W DC
Lichtstrom (Lichtquelle)	2891 lm
Eingangsspannungsbereich	500mA
Ähnlichste Farbtemperatur / Tone	3000 K
Farbwiedergabeindex	98 Ra
Gleichstrom/Gleichspannung	CC
Isolierklasse	3
IP	IP20
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Nein
Leuchte dimmbar	DALI - 1-10V
Schwenkbarkeit	Estraible
Gesamtwinkel (vertikale Ebene)	65 °
Gesamtwinkel (horizontale Ebene)	350 °
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	0.20 m
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.920 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein


Oberfläche Gehäuse


Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Weiß
Bearbeitungstyp	Pulverbeschichtung


Oberfläche Fassung

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Weiß
Bearbeitungstyp	Pulverbeschichtung

Elektronik

 99115
1-10V - N/O button Multi Power 198~264V AC / 180~275V DC (1 art.)

 99106
On/Off Driver 198~264V AC (1 art.)

 C-E100001
Push and Simply Dim - DALI-2 Multi Power 198~264V AC / 180~275V DC (1 art.)

Cables Electrification

Cable connector No

Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98 81663W60

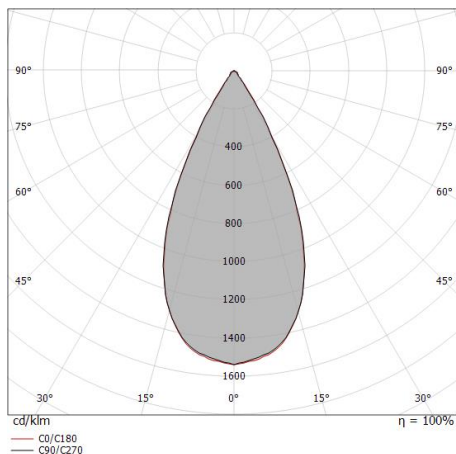
Single emission recessed downlights for indoor application. The warm white LED light source is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 2891 lm, with a 160.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.920 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 18 W. The power supply cable is included and features a 0.20 m length.

The device features protection class III and can be ceiling-mounted, with a 130 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	0.47 0.46	E(0°) 10912 E(C90) 25.0° 4073 E(C0) 24.7° 4124
1.0	0.93 0.92	E(0°) 2728 E(C90) 25.0° 1018 E(C0) 24.7° 1031
1.5	1.40 1.38	E(0°) 1212 E(C90) 25.0° 453 E(C0) 24.7° 458
2.0	1.87 1.84	E(0°) 682 E(C90) 25.0° 255 E(C0) 24.7° 258
2.5	2.33 2.30	E(0°) 436 E(C90) 25.0° 163 E(C0) 24.7° 165
3.0	2.80 2.76	E(0°) 303 E(C90) 25.0° 113 E(C0) 24.7° 115

— C0/C180 (Half-peak divergence: 49.4°)
— C90/C270 (Half-peak divergence: 50.0°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	61 %
Lichtstrom (Lichtquelle)	2891 lm
Leuchten Lichtstrom	1773 lm
Consumption	18 W
Leuchten Lichtausbeute	98 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	98 Ra
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	20.4
UGR transversal	20.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	49°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC



Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98

81663W60

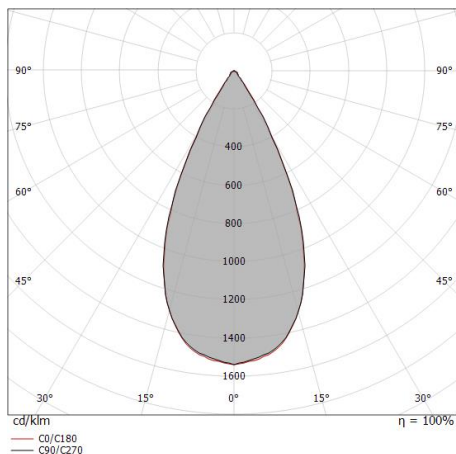
Single emission recessed downlights for indoor application. The warm white LED light source is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 2891 lm, with a 160.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.920 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 18 W. The power supply cable is included and features a 0.20 m length.

The device features protection class III and can be ceiling-mounted, with a 130 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	0.47 0.46	E(0°) 7964 E(C90) 2972 E(C0) 3010
1.0	0.93 0.92	E(0°) 1991 E(C90) 743 E(C0) 753
1.5	1.40 1.38	E(0°) 885 E(C90) 330 E(C0) 334
2.0	1.87 1.84	E(0°) 498 E(C90) 186 E(C0) 188
2.5	2.33 2.30	E(0°) 319 E(C90) 119 E(C0) 120
3.0	2.80 2.76	E(0°) 221 E(C90) 83 E(C0) 84

— C0/C180 (Half-peak divergence: 49.4°)
— C90/C270 (Half-peak divergence: 50.0°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	44 %
Lichtstrom (Lichtquelle)	2891 lm
Leuchten Lichtstrom	1294 lm
Consumption	12 W
Leuchten Lichtausbeute	107 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	98 Ra
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)

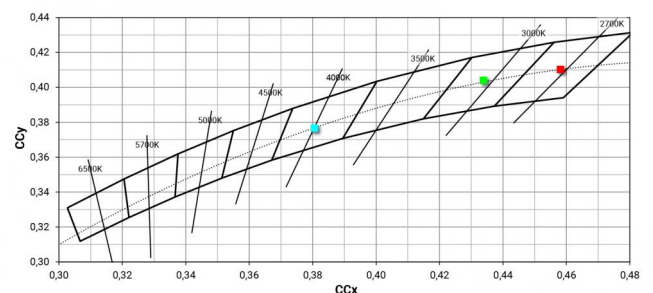
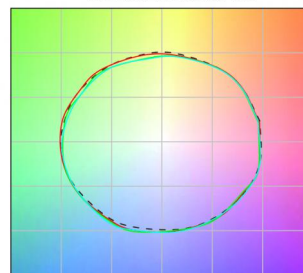
UGR

UGR axial	19.3
UGR transversal	19.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20








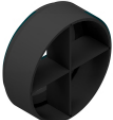
OPTICAL

Optik C0/C180	49°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





	<p>Optik Lichtverteilung: spot,Material Verkleidung: polycarbonat uv-beständige</p>	<p>Code <u>99827</u></p>
	<p>Optik Lichtverteilung: medium flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>	<p>Code <u>99828</u></p>
	<p>Optik Lichtverteilung: flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>	<p>Code <u>99829</u></p>
	<p>Blendschutz Blendschutzart: wabenraster. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>99780</u></p>
	<p>Diffusor Diffusorart: filtro ellittico. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>99781</u></p>
	<p>Blendschutz Blendschutzart: schermo cilindrico 45°. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>99782</u></p>
	<p>Blendschutz Blendschutzart: schermo cilindrico. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>99783</u></p>
	<p>Blendschutz Blendschutzart: frangiluce a croce. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>99779</u></p>



Optus_EX | Downlights | Accessories
81663W60



Fuhrmann

installationsposition: decke L=115mm, H=99.6mm, D=120mm.

Material:PC, farbe:Schwarz.

Finish

Black

Code

99510