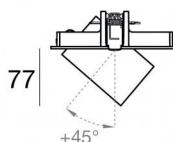
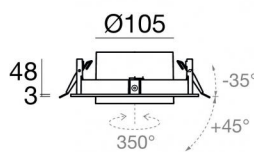
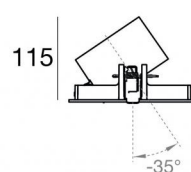
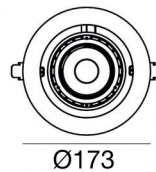




Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90
81668W15



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Spot
Light emission direction	frontal
Lampe Nennleistung	35 W DC
Lichtstrom (Lichtquelle)	5019 lm
Eingangsspannungsbereich	950mA
Ähnlichste Farbtemperatur / Tone	3000 K
Farbwiedergabeindex	90 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	Estraibile
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	1.1 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein

Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Schwarz
Bearbeitungstyp	Pulverbeschichtung

Oberfläche Fassung

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Schwarz
Bearbeitungstyp	Pulverbeschichtung

Elektronik



99239
On/Off Driver 198-264V AC



99345
DALI - Push and Simply Dim Multi Power 198-264V AC / 176-275V DC



83008
1-10V - Push and Simply Dim - DALI-2 Controller

Cables Electrification

Cable connector	No
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Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90
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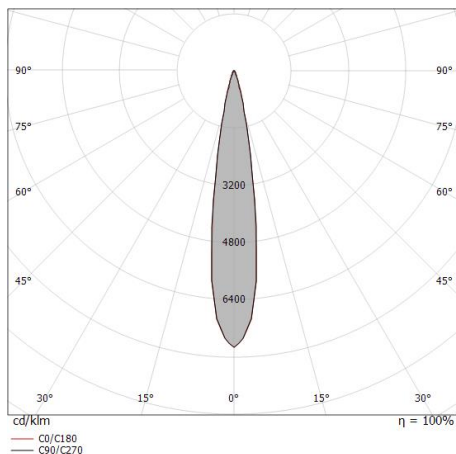
Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5019 lm, with a 143.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 1.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 35 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 162 mm diameter hole (in plasterboard) with an outer casing, code 99479(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.15 0.15	E(0°) 124290 E(C90) 8.7° 60538 E(C0) 8.6° 60758
1.0	0.31 0.30	E(0°) 31073 E(C90) 8.7° 15134 E(C0) 8.6° 15189
1.5	0.46 0.45	E(0°) 13810 E(C90) 8.7° 6726 E(C0) 8.6° 6751
2.0	0.61 0.60	E(0°) 7768 E(C90) 8.7° 3784 E(C0) 8.6° 3797
2.5	0.77 0.76	E(0°) 4972 E(C90) 8.7° 2422 E(C0) 8.6° 2430
3.0	0.92 0.91	E(0°) 3453 E(C90) 8.7° 1682 E(C0) 8.6° 1688

— C0/C180 (Half-peak divergence: 17.2°)
 — C90/C270 (Half-peak divergence: 17.4°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	80 %
Lichtstrom (Lichtquelle)	5019 lm
Leuchten Lichtstrom	4016 lm
Consumption	35 W
Leuchten Lichtausbeute	114 lm/W
Farbtemperatur	3000 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	23.6
UGR transversal	23.7
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	17°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC



Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90

81668W15

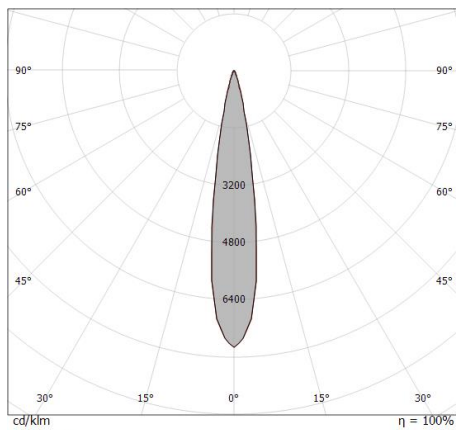
Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5019 lm, with a 143.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 1.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 35 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 162 mm diameter hole (in plasterboard) with an outer casing, code 99479(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.15	E(0°) 96076 E(C90) 8.7° 46796 E(C0) 8.6° 46966
1.0	0.31	E(0°) 24019 E(C90) 8.7° 11699 E(C0) 8.6° 11741
1.5	0.46	E(0°) 10675 E(C90) 8.7° 5200 E(C0) 8.6° 5218
2.0	0.61	E(0°) 6005 E(C90) 8.7° 2925 E(C0) 8.6° 2935
2.5	0.77	E(0°) 3843 E(C90) 8.7° 1872 E(C0) 8.6° 1879
3.0	0.92	E(0°) 2669 E(C90) 8.7° 1300 E(C0) 8.6° 1305

— C0/C180 (Half-peak divergence: 17.2°)
— C90/C270 (Half-peak divergence: 17.4°)

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	61 %
Lichtstrom (Lichtquelle)	5019 lm
Leuchten Lichtstrom	3104 lm
Consumption	25 W
Leuchten Lichtausbeute	124 lm/W
Farbtemperatur	3000 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)

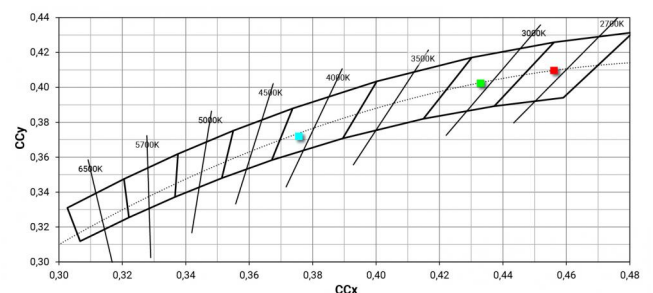
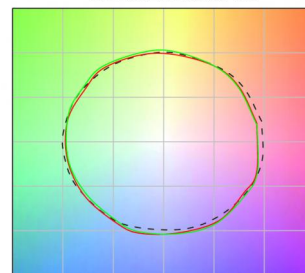
UGR

UGR axial	22.7
UGR transversal	22.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

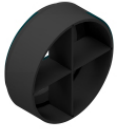
Optik C0/C180	17°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





	<p>Optik - SPOT Lichtverteilung: spot,Material Verkleidung: polycarbonat uv-beständige</p>	<p>Code <u>C-U300015</u></p>
	<p>Optik - FLOOD Lichtverteilung: flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>	<p>Code <u>C-U300016</u></p>
	<p>Optik - WIDE FLOOD Lichtverteilung: medium flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat uv-beständige,polycarbonat uv-beständige</p>	<p>Code <u>C-U300017</u></p>
	<p>Blendschutz Blendschutzart: wabenraster. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>C-U300014</u></p>
	<p>Optik Lichtverteilung: einstellbar,Material Verkleidung: ,aluminium</p>	<p>Code <u>C-U300034</u></p>
	<p>Diffusor - Es ist nicht mit 60°-Optiken kompatibel</p>	<p>Code <u>C-U300013</u></p>
	<p>Blendschutz Blendschutzart: schermo cilindrico 45°. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>C-U300030</u></p>
	<p>Blendschutz Blendschutzart: schermo cilindrico. Material:Pom-C, farbe:Schwarz.</p>	<p>Code <u>C-U300029</u></p>



Blendschutz
Blendschutzart: frangiluce a croce.
Material:Pom-C, farbe:Schwarz.

Code
C-U300031



Einbaugehäuse
L=154mm, H=99.6mm, D=150mm.
Material:PC, farbe:Schwarz.

Finish **Code**
Black 99479