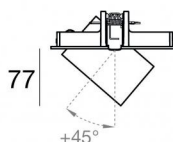
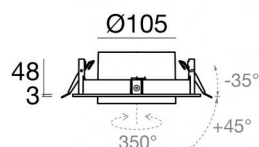
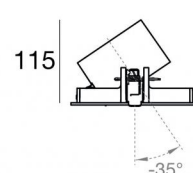
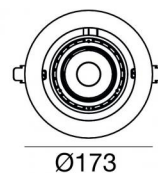


Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90
81668M60



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Medium Wide Flood
Light emission direction	frontal
Lampe Nennleistung	35 W DC
Lichtstrom (Lichtquelle)	4956 lm
Eingangsspannungsbereich	950mA
Ähnlichste Farbtemperatur / Tone	2700 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
Einbautiefe	100 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	1.1 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein

Oberfläche Oberfläche Gehäuse	
Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Text black RAL9005
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Oberfläche Oberfläche fassung	
Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Text black RAL9005
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Elektronik



99239
On/Off Driver 198-264V AC (1 art.)



99345
DALI - Push and Simply Dim Multi Power 198-264V AC / V DC (1 art.)



83008
1-10V - Push and Simply Dim - DALI-2 Controller (1 art.)

Cables Electrification	
Cable connector	No

Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90
81668M60

Single emission recessed downlights for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 4956 lm, with a 141.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a text black ral9005 finish, processed by means of powder coating with thermosetting powders; the mounting frame is made of die-cast aluminium en ab - 46100, with a text black ral9005 finish, processed by means of powder coating with thermosetting powders.

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.

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	59 %
Lichtstrom (Lichtquelle)	4956 lm
Leuchten Lichtstrom	2939 lm
Consumption	25 W
Leuchten Lichtausbeute	117 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 235315h (at Tj 65 Ta 25)

L80 B10 C0 147343h (at Tj 65 Ta 25)

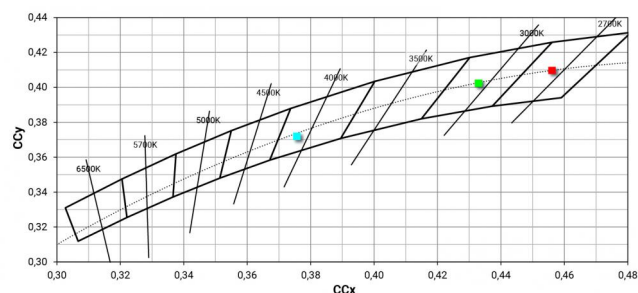
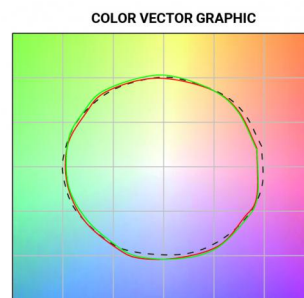
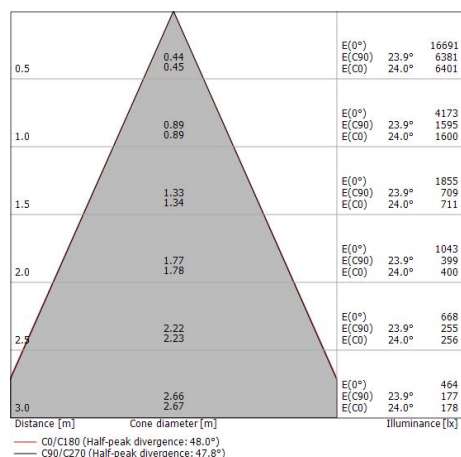
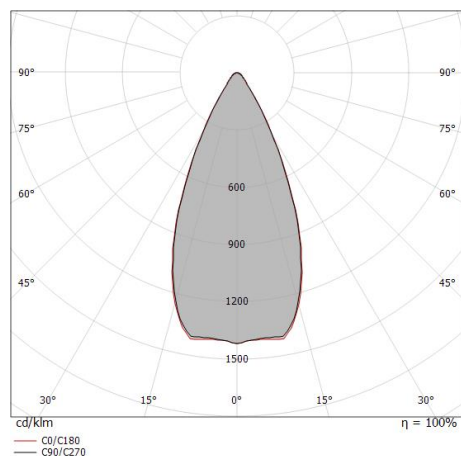
L90 B10 C0 69745h (at Tj 65 Ta 25)

UGR

UGR axial	24.3
UGR transversal	24.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	48°
Light distribution simmetry	Symmetrical



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

81668M60

Single emission recessed downlights for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 4956 lm, with a 141.6 lm/W nominal luminous efficacy.

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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.

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	76 %
Lichtstrom (Lichtquelle)	4956 lm
Leuchten Lichtstrom	3802 lm
Consumption	35 W
Leuchten Lichtausbeute	108 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 235315h (at Tj 65 Ta 25)

L80 B10 C0 147343h (at Tj 65 Ta 25)

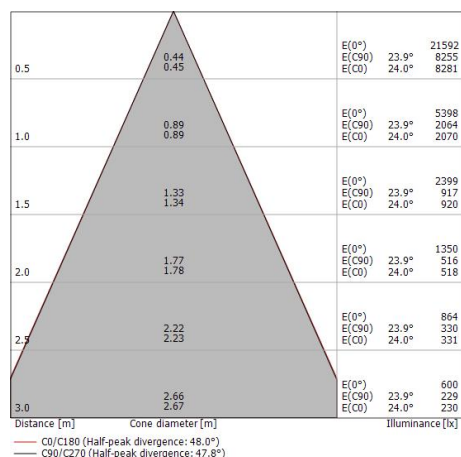
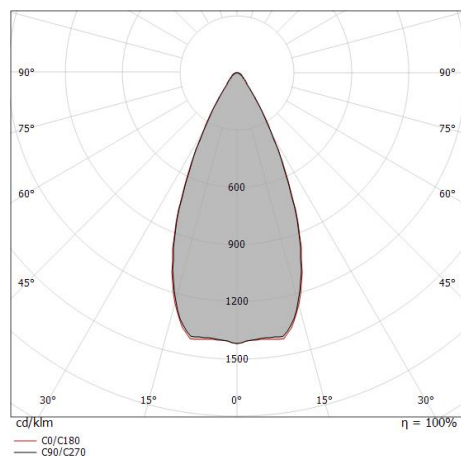
L90 B10 C0 69745h (at Tj 65 Ta 25)

UGR

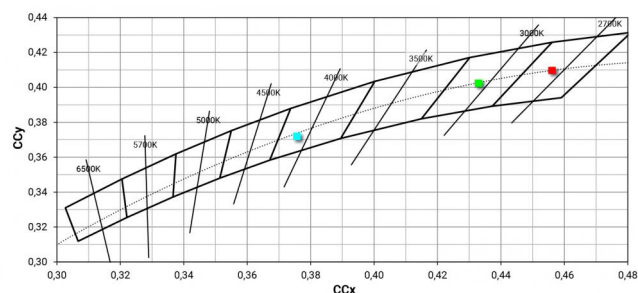
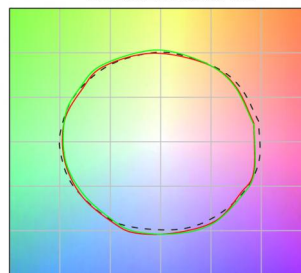
UGR axial	25.1
UGR transversal	25.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C0/C180	48°
Light distribution simmetry	Symmetrical



COLOR VECTOR GRAPHIC



Optus_EX | Downlights | Accessories
81668M60



Optik - SPOT
Lichtverteilung: spot, Material Verkleidung: uv beständiges polycarbonat

Code
C-U300015



Optik - FLOOD
Lichtverteilung: flood, Material Verkleidung: uv beständiges polycarbonat

Code
C-U300016



Optik - WIDE FLOOD
Lichtverteilung: medium flood, Material Verkleidung: uv beständiges polycarbonat

Code
C-U300017



Blendschutz
Blendschutzart: wabenraster.
Material: Pom-C, farbe: Schwarz.

Code
C-U300014



Optik - Kit mit variabler Brennweite
Lichtverteilung: einstellbar, Material Verkleidung: extra-helles glas - gehärtet

Code
C-U300034



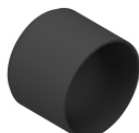
Diffusor - Es ist nicht mit 60°-Optiken kompatibel

Code
C-U300013



Blendschutz
Blendschutzart: schermo cilindrico 45°.
Material: Pom-C, farbe: Schwarz.

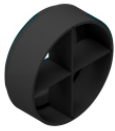
Code
C-U300030



Blendschutz
Blendschutzart: schermo cilindrico.
Material: Pom-C, farbe: Schwarz.

Code
C-U300029

Optus_EX | Downlights | Accessories
81668M60



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

Code
C-U300031



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

Code
99479