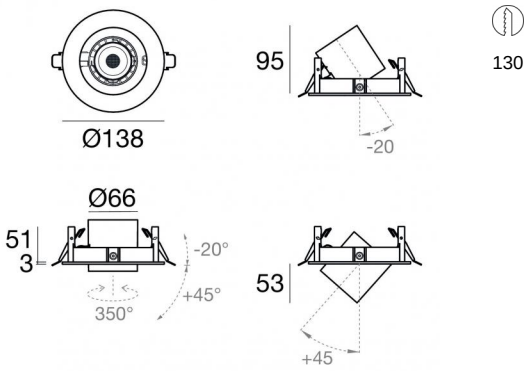
Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98

81664M60







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)	2750 lm
Eingangsspannungsbereich	500mA
Ähnlichste Farbtemperatur / Tone	2700 K
Farbwiedergabeindex	98 Ra
Gleichstrom/Gleichspannung	CC
Isolierklasse	3
IP	IP20
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammbaren 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	57 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.920 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



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

Cables Electrification	
Cable connector	No

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Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98
81664M60

Single emission recessed downlights for indoor application. The super warm white LED light source is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 98; the source luminous flux is 2750 lm, with a 152.8 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 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.

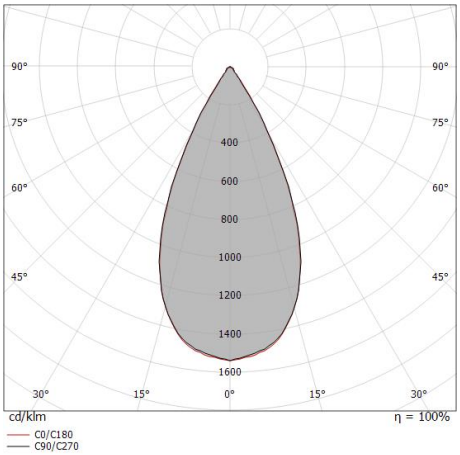
Energieeffizienzklasse
Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

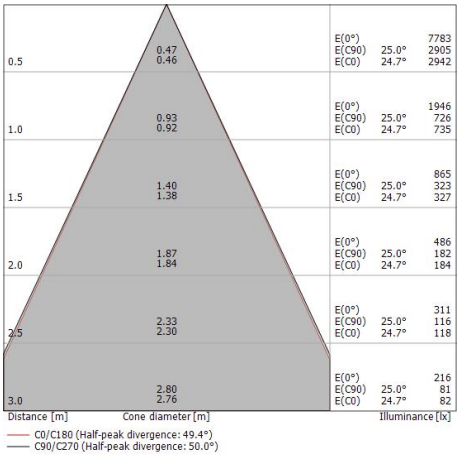
Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	46 %
Lichtstrom (Lichtquelle)	2750 lm
Leuchten Lichtstrom	1265 lm
Consumption	12 W
Leuchten Lichtausbeute	105 lm/W
Farbtemperatur	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	98 Ra
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio
L70 B10 C0 237566h (at Tj 65 Ta 25)
L80 B10 C0 148737h (at Tj 65 Ta 25)
L90 B10 C0 70385h (at Tj 65 Ta 25)

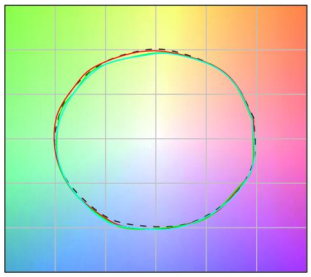
UGR	
UGR axial	19.2
UGR transversal	19.2
X=4H | Y=8H	S=0.25H
Reflection factor	70/50/20

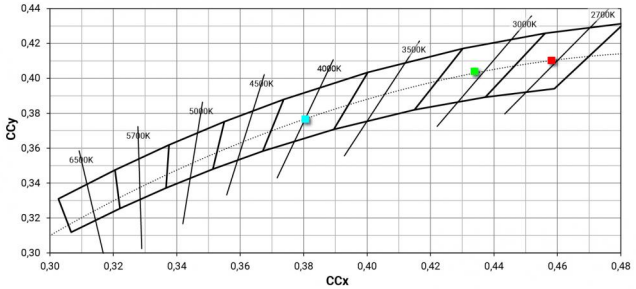
OPTICAL	
Optik C0/C180	49°
Light distribution simmetry	Symmetrical





COLOR VECTOR GRAPHIC





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

81664M60

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

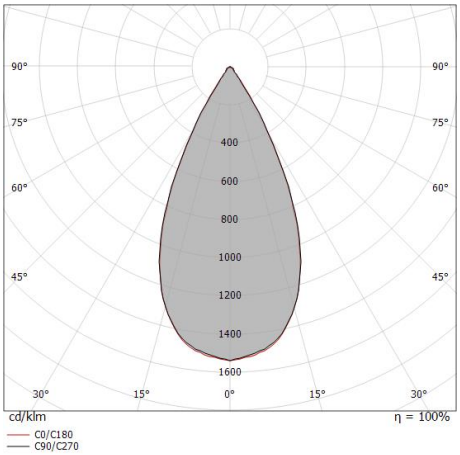
Energieeffizienzklasse
Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

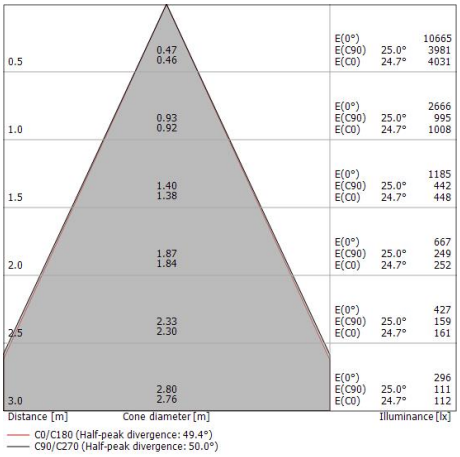
Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	63 %
Lichtstrom (Lichtquelle)	2750 lm
Leuchten Lichtstrom	1733 lm
Consumption	18 W
Leuchten Lichtausbeute	96 lm/W
Farbtemperatur	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	98 Ra
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio
L70 B10 C0 237566h (at Tj 65 Ta 25)
L80 B10 C0 148737h (at Tj 65 Ta 25)
L90 B10 C0 70385h (at Tj 65 Ta 25)

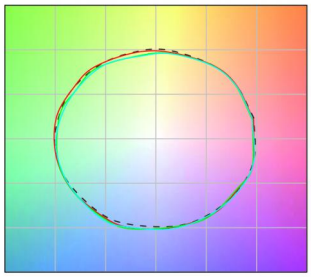
UGR	
UGR axial	20.3
UGR transversal	20.3
X=4H | Y=8H	S=0.25H
Reflection factor	70/50/20

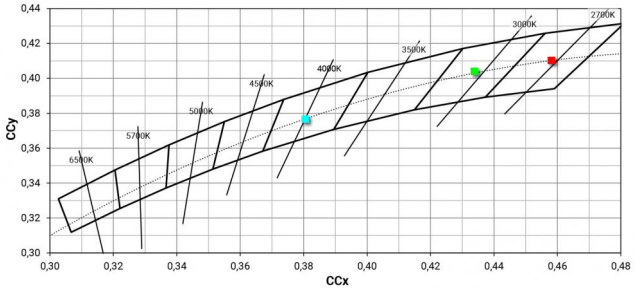
OPTICAL	
Optik C0/C180	49°
Light distribution simmetry	Symmetrical





COLOR VECTOR GRAPHIC





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Optus_EX | Downlights | Accessories
81664M60



Optik
Lichtverteilung: spot,Material Verkleidung: uv beständiges polycarbonat

Code
99827



Optik
Lichtverteilung: medium flood,Material Verkleidung: uv beständiges polycarbonat

Code
99828



Optik
Lichtverteilung: flood,Material Verkleidung: uv beständiges polycarbonat

Code
99829



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

Code
99780



Diffusor
Diffusorart: filtro ellittico.
Material:Pom-C, farbe:Schwarz.

Code
99781



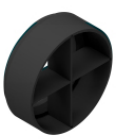
Blendschutz
Blendschutzart: schermo cilindrico 45°.
Material:Pom-C, farbe:Schwarz.

Code
99782



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

Code
99783



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

Code
99779

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Optus_EX | Downlights | Accessories
81664M60



Fuhrmann
installationsposition: decke L=115mm, H=99.6mm, D=120mm.
Material:PC, farbe:Black.

Code
99510



Optik - Fokus-Kit (min 16° max 50°)
Lichtverteilung: einstellbar,Material Verkleidung: extra-helles glas - gehärtet

Code
99844

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