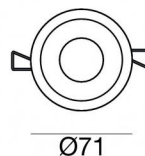
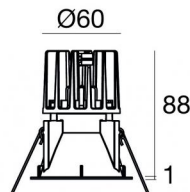


Warp_R EVO



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
77365N10



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	powerLED
Optik	Spot
Light emission direction	downward
Lampe Nennleistung	4 W DC
Lichtstrom (Lichtquelle)	449 lm
Eingangsspannungsbereich	350mA
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	90 Ra
Gleichstrom/Gleichspannung	CC
Isolierklasse	3
IP	IP40
IP optisches System	IP65
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Nein
Leuchte dimmbar	DALI - 1-10V
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	0.2 m
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.2 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	Honey comb

Oberfläche Gehäuse

Material	Technopolymer
Farbe	Schwarz
Bearbeitungstyp	Lackierung


Oberfläche Diffusor

Material	Polycarbonat UV-beständige
Farbe	transparent


Oberfläche strahler

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Aluminium
Bearbeitungstyp	Polieren

Elektronik

 89145
On/Off Driver 198-264V AC / 180-275V DC (1 art.)

 99375
On/Off Driver 198-264V AC (2 - 3 art.)

 C-E100010
1-10V - 0-10V Controller (1 art.)

 C-E100011
Push and Simply Dim - DALI-2 Controller (1 art.)

Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
77365N10

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powerLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 449 lm, with a 112.3 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish, processed by means of coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be ceiling-mounted, with a 64 mm diameter hole (in plasterboard) with an outer casing, code 89374(for concrete or masonry).

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

Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse F.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	47 %
Lichtstrom (Lichtquelle)	449 lm
Leuchten Lichtstrom	212 lm
Consumption	4 W
Leuchten Lichtausbeute	53 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Black Body Locus	On

Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

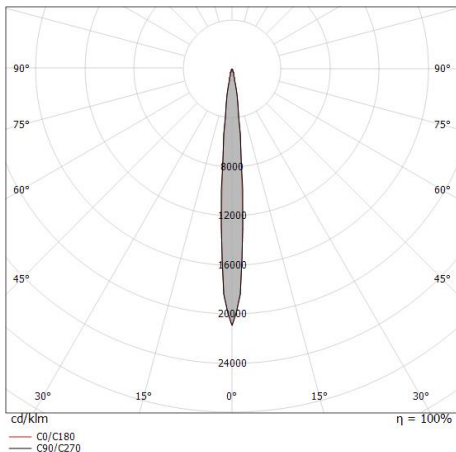
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

UGR axial	-0.4
UGR transversal	-0.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

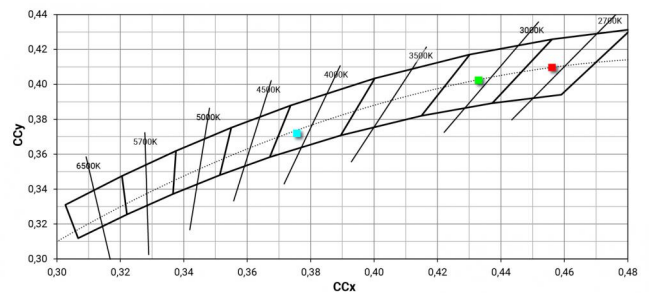
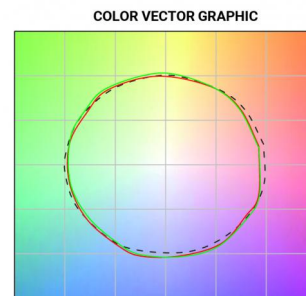
OPTICAL

Optik C0/C180	9°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.08 0.08	E(0°) 17643 E(C90) 4.8° 8788 E(C0) 4.7° 8798
1.0	0.12 0.14	E(0°) 4411 E(C90) 4.8° 2197 E(C0) 4.7° 2199
1.5	0.25 0.25	E(0°) 1960 E(C90) 4.8° 976 E(C0) 4.7° 978
2.0	0.34 0.33	E(0°) 1103 E(C90) 4.8° 549 E(C0) 4.7° 550
2.5	0.42 0.41	E(0°) 706 E(C90) 4.8° 352 E(C0) 4.7° 352
3.0	0.50 0.49	E(0°) 490 E(C90) 4.8° 244 E(C0) 4.7° 244

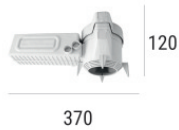
— C0/C180 (Half-peak divergence: 9.4°)
 — C90/C270 (Half-peak divergence: 9.6°)





Einbaugehäuse
installationsposition: decke; typ installation: mauerwerk L=200mm, H=113mm, D=137mm.
Material:Polypropylen, farbe:Weiß.

Code
89373



Einbaugehäuse
installationsposition: decke; typ installation: mauerwerk L=370mm, H=120mm, D=200mm.
Material:Polypropylen, farbe:Weiß.

Code
89374



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

Code
83367



Diffusor
Diffusorart: filtro ellittico

Code
83368



Diffusor
Diffusorart: ästhetischer filter

Code
83369



Weißes Quantum_R Frontal-Kit

Code
83361



Schwarzes Quantum_R Frontal-Kit

Code
83362



Schwarzes Vos_R Frontal-Kit

Code
83366



Weißes Vos_R Frontal-Kit

Code
83365



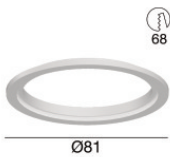
Schwarzes Warp_R frontal-Kit

Code
83364



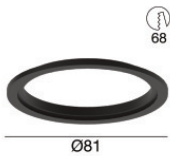
Weißes Warp_R frontal-Kit

Code
83363



Weißer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

Code
83393



Schwarzer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

Code
83394



Gold Quantum_R EVO Frontal Kit

Code
C-K400038



Kupfer Quantum_R EVO frontal Kit

Code
C-K400039



Gold Warp_R EVO frontal Kit

Code
C-K400040



Kupfer Warp_R EVO frontal Kit

Code
C-K400041



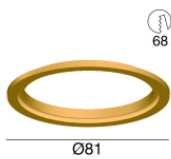
Gold Vos_R Frontal-Kit

Code
C-K400042



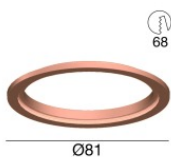
Kupfer Vos_R EVO Frontal Kit

Code
C-K400043



Gold vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

Code
C-K400044



Kupfer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO

Code
C-K400045