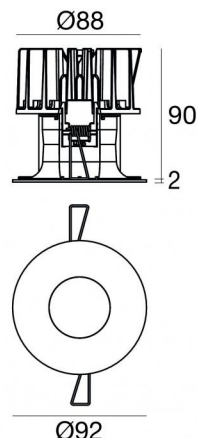


# Quantum\_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90  
77350W50



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Medium Wide Flood
Light emission direction	downward
Lampe Nennleistung	14 W DC
Lichtstrom (Lichtquelle)	2318 lm
Eingangsspannungsbereich	400mA
Ähnlichste Farbtemperatur / Tone	3000 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	0.3 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	Honey comb

## Oberfläche Gehäuse

Material	Technopolymer
Farbe	weiß RAL 9003

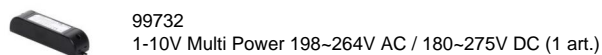
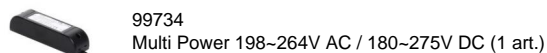
## Oberfläche Diffusor

Material	Polycarbonat UV-beständige
Farbe	transparent

## Oberfläche strahler

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Aluminium
Bearbeitungstyp	Polieren

## Elektronik



## Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90  
**77350W50**

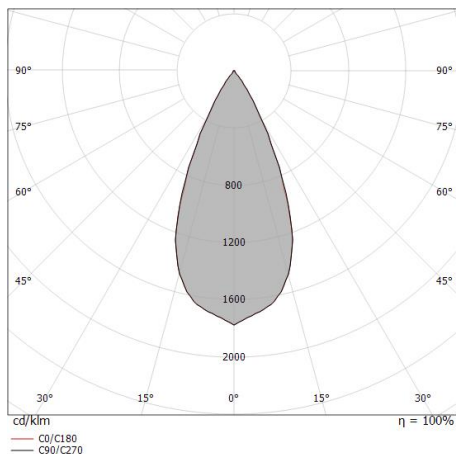
Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2318 lm, with a 165.6 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a white ral 9003 finish; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 0.3 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 14 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 88 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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.43 0.43	E(0°) 8185 E(C90) 3186 E(C0) 3189
1.0	0.87 0.86	E(0°) 2046 E(C90) 797 E(C0) 797
1.5	1.30 1.29	E(0°) 909 E(C90) 354 E(C0) 354
2.0	1.73 1.71	E(0°) 512 E(C90) 199 E(C0) 199
2.5	2.16 2.14	E(0°) 327 E(C90) 127 E(C0) 128
3.0	2.60 2.57	E(0°) 227 E(C90) 89 E(C0) 89

— C0/C180 (Half-peak divergence: 46.4°)  
 — C90/C270 (Half-peak divergence: 46.8°)

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	49 %
Lichtstrom (Lichtquelle)	2318 lm
Leuchten Lichtstrom	1154 lm
Consumption	14 W
Leuchten Lichtausbeute	82 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	14.6
UGR transversal	14.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Optik C0/C180	46°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC

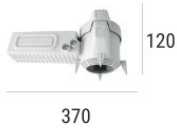
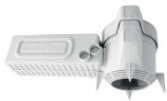




Einbaugehäuse

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

**Code**  
89373



Einbaugehäuse

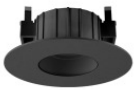
installationsposition: decke; typ installation: mauerwerk L=370mm, H=120mm, D=200mm.  
Material:Polypropylen, farbe:Weiß.

**Code**  
89374



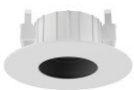
Weißes Quantum\_R Frontal-Kit

**Code**  
83373



Schwarzes Vos\_R Frontal-Kit

**Code**  
83378



Weißes Vos\_R Frontal-Kit

**Code**  
83377



Schwarzes Quantum\_R Frontal-Kit

**Code**  
83374



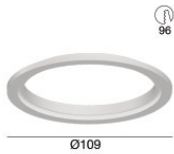
Weißes Warp\_R frontal-Kit

**Code**  
83375



Schwarzes Warp\_R frontal-Kit

**Code**  
83376



Weisses vorderer adaptiver Flansch für Warp EVO

**Code**  
83395



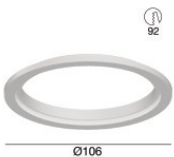
Schwarzer vorderer adaptiver Flansch für Warp EVO

**Code**  
83390



Schwarzer vorderer adaptiver Flansch für Quantum EVO 9W-14W

**Code**  
83392



Weißer vorderer adaptiver Flansch für Quantum EVO

**Code**  
83391



Gold Quantum\_R EVO Frontal Kit

**Code**  
C-K400046



Kupfer Quantum\_R EVO frontal Kit

**Code**  
C-K400047



Kupfer Warp\_R EVO frontal Kit


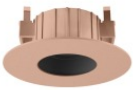
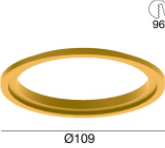
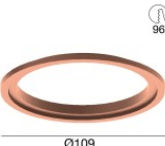




**Code**  
C-K400049



Gold Warp\_R EVO frontal Kit

**Code**  
C-K400048



	<p>Gold Vos_R Frontal-Kit</p>	<p><b>Code</b> <u>C-K400050</u></p>
	<p>Kupfer Vos_R EVO Frontal Kit</p>	<p><b>Code</b> <u>C-K400051</u></p>
 <p>Ø109</p>	<p>Gold vorderer adaptiver Flansch für Warp EVO</p>	<p><b>Code</b> <u>C-K400052</u></p>
 <p>Ø109</p>	<p>Kupfer vorderer adaptiver Flansch für Warp EVO</p>	<p><b>Code</b> <u>C-K400053</u></p>
 <p>Ø106</p>	<p>Gold vorderer adaptiver Flansch für Quantum EVO</p>	<p><b>Code</b> <u>C-K400054</u></p>
 <p>Ø106</p>	<p>Kupfer vorderer adaptiver Flansch für Quantum EVO</p>	<p><b>Code</b> <u>C-K400055</u></p>
	<p>Blendschutz Blendschutzart: wabenraster. Material:Pom-C, farbe:Schwarz.</p>	<p><b>Code</b> <u>83379</u></p>
	<p>Diffusor Diffusorart: filtro ellittico</p>	<p><b>Code</b> <u>83380</u></p>



Diffusor  
Diffusorart: ästhetischer filter

**Code**  
83381



Optik  
Lichtverteilung: flood,Material Verkleidung: polycarbonat uv-beständige

**Code**  
83382



Optik  
Lichtverteilung: medium flood,Material Verkleidung: ,polycarbonat uv-  
beständige,polycarbonat uv-beständige,polycarbonat uv-beständige

**Code**  
83383



Optik  
Lichtverteilung: wide flood,Material Verkleidung: ,polycarbonat uv-beständige,polycarbonat  
uv-beständige,polycarbonat uv-beständige

**Code**  
83384