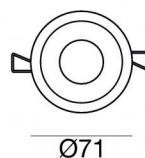
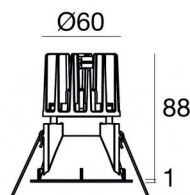


Warp_R EVO



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
77340N10



| 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 |

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

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

| | |
|---|---|
|  | 99375 On/Off Driver 198~264V AC (1 - 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 |
|-----------------|-----------------------------------|



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
77340N10

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs 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 white ral 9003 finish; 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) | 62 % |
| Lichtstrom (Lichtquelle) | 449 lm |
| Leuchten Lichtstrom | 279 lm |
| Consumption | 4 W |
| Leuchten Lichtausbeute | 69 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

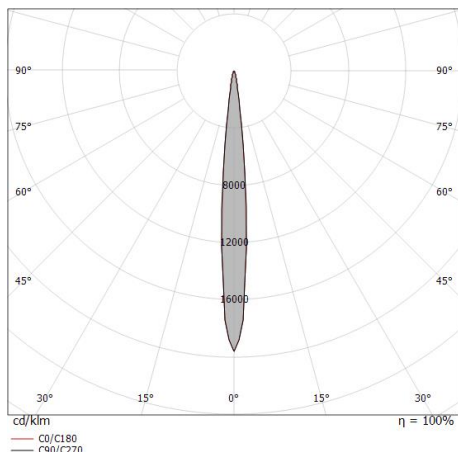
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 3.6 |
| UGR transversal | 3.6 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

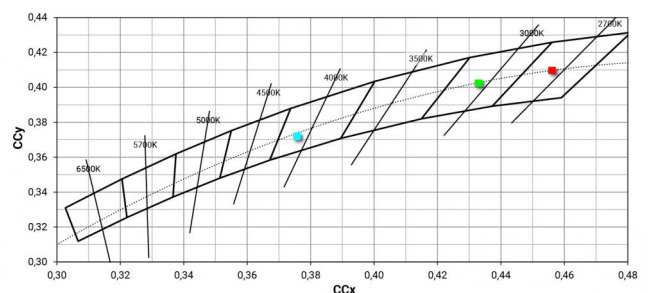
OPTICAL

| | |
|-----------------------------|-------------|
| Optik C0/C180 | 10° |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Illuminance [lx] | E(0°) | E(C90) | E(C0) |
|--------------|-------------------|------------------|------------|------------|------------|
| 0.5 | 0.09 0.08 | 21896 | 4.9° 21896 | 4.9° 10900 | 4.8° 11029 |
| 1.0 | 0.12 0.17 | 5474 | 4.9° 5474 | 4.9° 2725 | 4.8° 2757 |
| 1.5 | 0.26 0.25 | 2433 | 4.9° 2433 | 4.9° 1211 | 4.8° 1225 |
| 2.0 | 0.34 0.34 | 1368 | 4.9° 1368 | 4.9° 681 | 4.8° 689 |
| 2.5 | 0.43 0.42 | 876 | 4.9° 876 | 4.9° 436 | 4.8° 441 |
| 3.0 | 0.51 0.50 | 608 | 4.9° 608 | 4.9° 303 | 4.8° 306 |

— C0/C180 (Half-peak divergence: 9.6°)
 — C90/C270 (Half-peak divergence: 9.8°)

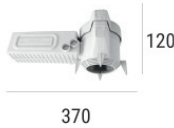




Einbaugehäuse

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



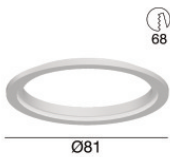
Schwarzes Warp_R frontal-Kit

Code
83364



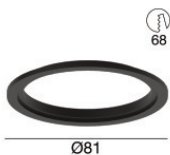
Weißes Warp_R frontal-Kit

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



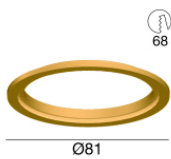
Gold Vos_R Frontal-Kit

Code
C-K400042



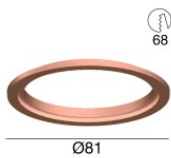
Kupfer Vos_R EVO Frontal Kit

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