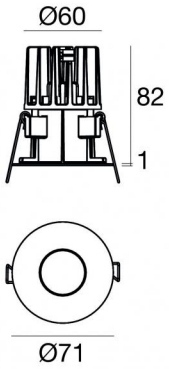
Downlights | 1 arrayLED 9 W DC 700 mA | CRI 80

**77331A15**








64

| Technische Daten | |
|---|---|
| Installationsposition | Decke |
| Installationsumgebung | Indoor |
| Lichtquelle | LED |
| Circuit structure | arrayLED |
| Optik | Spot |
| Light emission direction | downward |
| Lampe Nennleistung | 9 W DC |
| Lichtstrom (Lichtquelle) | 942 lm |
| Eingangsspannungsbereich | 700mA |
| Ähnlichste Farbtemperatur / Tone | 2200 K |
| Farbwiedergabeindex | 80 Ra |
| Gleichstrom/Gleichspannung | CC |
| Isolierklasse | 3 |
| IP | IP40 |
| IP optisches System | IP65 |
| Glühdrahtprüfung | 850° |
| Direkte Montage auf normal entflammbaren Oberflächen | Ja |
| CE | Ja |
| Einschließlich Driver | Nein |
| Leuchte dimmbar | Ja |
| Schwenkbarkeit | Nein |
| Drehbarkeit | Nein |
| Begehbarkeit | Nein |
| Überrollbarkeit | Nein |
| Einschließlich Kabel | Ja |
| Kabellänge | 0.4 m |
| Harzbeschichtung | Nein |
| Einbautiefe | 82 mm |
| Typ Lichtabstrahlung | Einflammig |
| Nettogewicht | 0.2 Kg |
| Schutz vor elektrostatischen Entladungen | Nein |
| Schutz vor Stoßspannungen | Nein |

| Oberfläche Oberfläche Gehäuse | |
|---|---|
| Material | Technopolymer |
| Farbe | Text black RAL9005 |
| Bearbeitungstyp | Lackierung |

| Oberfläche Oberfläche diffusor | |
|---|---|
| Material | UV beständiges Polycarbonat |
| Farbe | Transparent |

| Oberfläche Oberfläche strahler | |
|---|---|
| Material | Stranggepresstes Aluminium EN AB - 46100 |
| Farbe | Aluminium |
| Bearbeitungstyp | Polieren |

**Elektronik**



99147
On/Off Driver 198~264V AC (2 - 2 art.)



99735
Multi Power 198~264V AC / 180~275V DC (1 art.)



99733
1-10V Multi Power 198~264V AC / V DC (1 art.)



C-E100012
Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100016
Push and Simply Dim - DALI-2 Controller (2 - 3 art.)

| Cables Electrification | |
|---|---|
| Cable connector | Male + Female - PVC 2x0.35mm² |



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Downlights | 1 arrayLED 9 W DC 700 mA | CRI 80
**77331A15**

Single emission recessed downlights for indoor application. The ancient white LED light source with a spot light distribution is composed of 1 arrayled LEDs with CCT of 2200 K and a CRI 80; the source luminous flux is 942 lm, with a 104.7 lm/W nominal luminous efficacy.

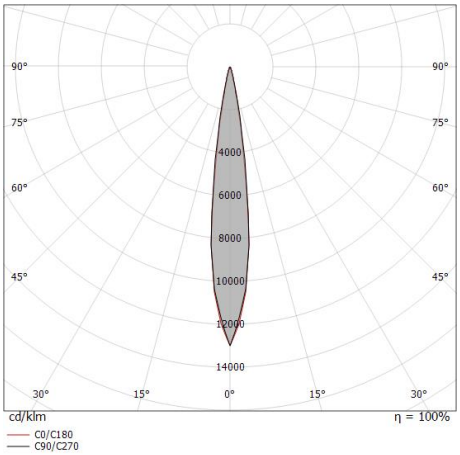
The device body is made of technopolymer and features a text black ral9005 finish, processed by means of coating; the diffuser is made of uv resistant polycarbonate.

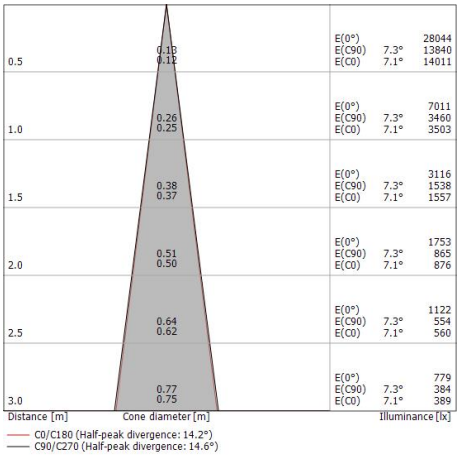
The ingress protection degree is IP40; the total weight is of 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 9 W The power supply cable is included and features a 0.4 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 C-C100004(for concrete or masonry).

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




| Energieeffizienzklasse |
|---|
| Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse F. |

| Illuminotechnical Eigenschaften | |
|---|---|
| Light Output Ratio (LOR) | 57 % |
| Lichtstrom (Lichtquelle) | 942 lm |
| Leuchten Lichtstrom | 540 lm |
| Consumption | 9 W |
| Leuchten Lichtausbeute | 60 lm/W |
| Farbtemperatur | 2200 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Farbwiedergabeindex | 80 Ra |
| Standardumgebungstemperatur | -20 / +50°C |
| Typische Temperatur am Glas | 40°C |

| LED Life / Failure Ratio |
|---|
| L70 B10 C0 229031h (at Tj 65  Ta 25 ) |
| L80 B10 C0 143385h (at Tj 65  Ta 25 ) |
| L90 B10 C0 67839h (at Tj 65  Ta 25 ) |

| UGR | |
|---|---|
| UGR transversal | 3.8 |
| UGR axial | 4 |
| X=4H \| Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

| OPTICAL | |
|---|---|
| Optik C0/C180 | 14° |
| Light distribution simmetry | Symmetrical |



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Vos_EVO | Downlights | Accessories
**77331A15**



Optik
Lichtverteilung: spot,Material Verkleidung: uv beständiges polycarbonat

**Code**
83370



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

**Code**
83371



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

**Code**
83372



Frontkit - Weißes Vos_R Frontal-Kit
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
83365



Frontkit - Schwarzes Vos_R Frontal-Kit
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
83366



Frontkit - Gold Vos_R Frontal-Kit
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400042



Frontkit - Vos_RJ EVO Frontkit weiß
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400083



Frontkit - Vos_RJ EVO Frontkit kupfer
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400109



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Vos_EVO | Downlights | Accessories
**77331A15**



Frontkit - Kupfer Vos_R EVO Frontal Kit
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400043



Frontkit - Vos_RJ EVO Frontkit gold
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400108



Frontkit - Weißes Quantum_R Frontal-Kit
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
83361



Frontkit - Vos_RJ EVO Frontkit schwarz
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400084



Frontkit - Schwarzes Quantum_R Frontal-Kit
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
83362



Frontkit - Gold Quantum_R EVO Frontal Kit
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400038



Frontkit - Weißes Warp_R frontal-Kit
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
83363



Frontkit - Schwarzes Warp_R frontal-Kit
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
83364



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Vos_EVO | Downlights | Accessories
**77331A15**



Frontkit - Kupfer Quantum_R EVO frontal Kit
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400039



Frontkit - Gold Warp_R EVO frontal Kit
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400040



Frontkit - Warp_RJ EVO Frontkit gold
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400028



Frontkit - Kupfer Warp_R EVO frontal Kit
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400041



Frontkit - Warp_QJ EVO Frontkit weiß
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400081



Frontkit - Warp_QJ EVO Frontkit schwarz
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400082



Frontkit - Warp_Q EVO Frontkit gold
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400097



Frontkit - Warp_Q EVO Frontkit schwarz
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400033



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Vos_EVO | Downlights | Accessories
**77331A15**



Frontkit - Warp_RJ EVO Frontkit Kupfer
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400029



Frontkit - Warp_Q EVO Frontkit kupfer
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400098



Frontkit - Warp_Q EVO Frontkit weiß
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400032



Frontkit - Warp_QJ EVO Frontkit schwarz
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400094



Frontkit - Warp_QJ EVO Frontkit kupfer
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400113



Frontkit - Warp_QJ EVO Frontkit weiß
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400093



Frontkit - Warp_QJ EVO Frontkit gold
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400112



Frontkit - Epitax_R EVO Frontkit
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400119



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Vos_EVO | Downlights | Accessories
**77331A15**



Frontkit - Epitax_R EVO Frontkit
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400118



Frontkit - Epitax_R EVO Frontkit
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400116






Adapterring - Weißer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
83393



Frontkit - Epitax_R EVO Frontkit
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400117



Frontkit - Epitax_RJ EVO Frontkit Kupfer
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400123



Frontkit - Epitax_RJ EVO Schwarz Frontkit
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
C-K400121






Adapterring - Gold vorderer adaptiver Flansch für Warp EVO oder Quantum EVO
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400044



Frontkit - Epitax_RJ EVO Weiß Frontkit
Material:Technopolymer, farbe:weiß RAL 9003.

**Code**
C-K400120



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Vos_EVO | Downlights | Accessories
**77331A15**






Adapterring - Kupfer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO
Material:Technopolymer, farbe:Kupfer, bearbeitungstyp :Lackierung.

**Code**
C-K400045



Diffusor
Diffusorart: ästhetischer filter

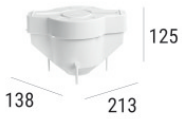
**Code**
83369



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

**Code**
83367






Einbaugehäuse
installationsposition: decke; typ installation: mauerwerk L=213mm, H=125mm, D=138mm.
Material:Polypropylen, farbe:Weiß.

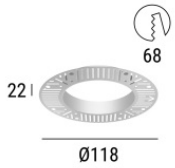
**Code**
89373



Frontkit - Epitax_RJ EVO gold Frontkit
Material:Technopolymer, farbe:Polished (galvanic) gold, bearbeitungstyp :Lackierung.

**Code**
C-K400122






Einbaugehäuse
installationsposition: decke; typ installation: gipskarton L=118mm, H=22mm, D=118mm.
Material:PC, farbe:Weiß.

**Code**
C-C100004



Diffusor
Diffusorart: filtro ellittico

**Code**
83368






Adapterring - Schwarzer vorderer adaptiver Flansch für Warp EVO oder Quantum EVO
Material:Technopolymer, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

**Code**
83394



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Vos_EVO | Downlights | Accessories
**77331A15**

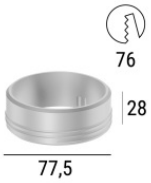





Einbaugehäuse
installationsposition: decke; typ installation: mauerwerk L=370mm, H=120mm, D=200mm.
Material:Polypropylen, farbe:Weiß.

**Code**
89374






Einbaugehäuse
installationsposition: decke; typ installation: gipskarton L=77.5mm, H=28mm, D=77.5mm.
Material:Aluminium, farbe:Anodised aluminium, bearbeitungstyp :Eloxierung.

**Code**
99849



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