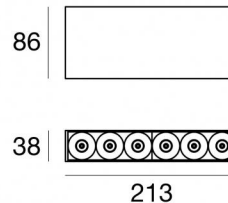
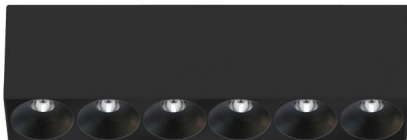




Deckenleuchten | 198-264 V  
6 x powerLEDs 9 W DC - 11 W AC | CRI 90  
**65193M15**



| Technische Daten                                    |                |
|---|----------------|
| Typ   | Oberfläche     |
| Installationsposition                               | Decke          |
| Installationsumgebung                               | Indoor         |
| Lichtquelle   | LED            |
| Circuit structure                                   | powerLEDs      |
| Optik   | Spot           |
| Light emission direction                            | downward       |
| Lampe Nennleistung                                  | 9 W DC         |
| Gesamtleistung                                      | 11 W           |
| Lichtstrom (Lichtquelle)                            | 1020 lm        |
| Nominale Eingangsspannung                           | 220 - 240 V AC |
| Eingangsspannungsbereich                            | 198 - 264 V AC |
| Frequency   | 50 - 60 Hz     |
| Ähnlichste Farbtemperatur / Tone                    | 2700 K         |
| Farbwiedergabeindex                                 | 90 Ra          |
| Gleichstrom/Gleichspannung                          | AC             |
| Isolierklasse                                       | 2              |
| IP  | IP20           |
| Glühdrahtprüfung                                    | 850°           |
| Direkte Montage auf normal entflammaren Oberflächen | Ja             |
| CE  | Ja             |
| Einschließlich Driver                               | Driver         |
| Leuchte dimmbar                                     | Nein           |
| Schwenkbarkeit                                      | Nein           |
| Drehbarkeit   | Nein           |
| Begehbarkeit  | Nein           |
| Überrollbarkeit                                     | Nein           |
| Einschließlich Kabel                                | Ja             |
| Kabellänge  | 0.170 m        |
| Harzbeschichtung                                    | Nein           |
| Typ Lichtabstrahlung                                | Einflammig     |
| Nettogewicht  | 0.700 Kg       |
| Schutz vor elektrostatischen Entladungen            | 4 KV           |
| Schutz vor Stoßspannungen                           | 2 KV           |
| Technische Merkmale des Produkts                    | TVS            |

| Oberfläche Gehäuse     |                            |
|------------------------|----------------------------|
| Material               | Aluminium 6060 - PC        |
| Farbe                  | Schwarz - Schwarz          |
| Bearbeitungstyp        | Pulverbeschichtung         |
| Oberfläche Diffusor    |                            |
| Material               | Polycarbonat UV-beständige |
| Farbe                  | Chrom                      |
| Bearbeitungstyp        | Metallisierung             |
| Cables Electrification |                            |
| Cable connector        | No                         |



## Deckenleuchten | 198-264 V | 6 x powerLEDs 9 W DC - 11 W AC | CRI 90 65193M15

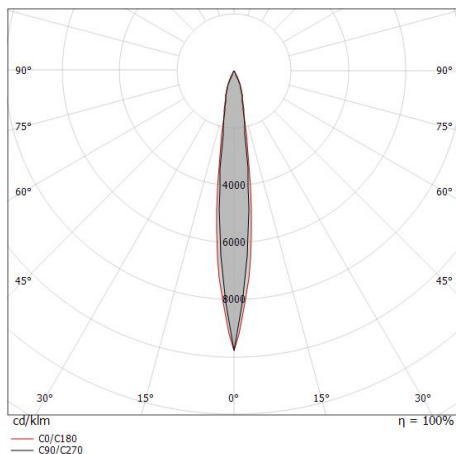
Single emission ceiling downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 6 powerled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1020 lm, with a 113.3 lm/W nominal luminous efficacy.

The device body is made of PC and features a black finish. The device body is made of aluminium 6060 and features a black finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate with a metallization treatment. The ingress protection degree is IP20; the total weight is of 0.700 kg.

The total absorbed power is 11 W. The power supply cable is included and features a 0.170 m length.

The device features protection class II and can be ceiling-mounted.

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



| Distance [m] | Cone diameter [m] | illuminance [lx]                                     |
|--------------|-------------------|--|
| 0.5          | 0.10<br>0.12      | E(0°) 25181<br>E(C90) 5.9° 12560<br>E(C0) 6.9° 12506 |
| 1.0          | 0.21<br>0.24      | E(0°) 6295<br>E(C90) 5.9° 3140<br>E(C0) 6.9° 3126    |
| 1.5          | 0.31<br>0.36      | E(0°) 2798<br>E(C90) 5.9° 1396<br>E(C0) 6.9° 1390    |
| 2.0          | 0.41<br>0.48      | E(0°) 1574<br>E(C90) 5.9° 785<br>E(C0) 6.9° 782      |
| 2.5          | 0.52<br>0.61      | E(0°) 1007<br>E(C90) 5.9° 502<br>E(C0) 6.9° 500      |
| 3.0          | 0.62<br>0.73      | E(0°) 699<br>E(C90) 5.9° 349<br>E(C0) 6.9° 347       |

— C0/C180 (Half-peak divergence: 13.8°)  
— C90/C270 (Half-peak divergence: 11.8°)

### Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse F.

### Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 63 %           |
| Lichtstrom (Lichtquelle)              | 1020 lm        |
| Leuchten Lichtstrom                   | 644 lm         |
| Consumption                           | 11 W           |
| Leuchten Lichtausbeute                | 58 lm/W        |
| Farbtemperatur                        | 2700 K         |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Farbwiedergabeindex                   | 90 Ra          |
| Standardumgebungstemperatur           | -20 / +50°C    |
| Typische Temperatur am Glas           | 40°C           |

### LED Life / Failure Ratio

L70 B20 C0 214455h (at Tj 60 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 3.9      |
| UGR transversal   | 4.9      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 12°         |
| Light distribution simmetry | Symmetrical |