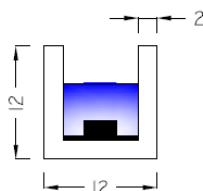
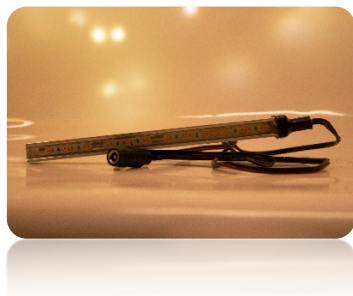


12x12 Alu Profil RGB

Bild:



Item number:

01.01.05.FR1212.xxxx.RGB.IP65

Brief description:

LED recessed profile, aluminum, IP65, without power supply unit

Item data:

Mounting technique:

recessed mounting

Mounting possible with retaining clips

Outer diameter:

12x12mm

Material:

aluminum, silicone potting compound transparent

Protection class:

IP65

Protection class:

III

Operating technology LED:

LED:

Osram RGB LED V1.2

Power:

5,8W /LFM

Interface of LEDs:

85mm

Lumen:

247 lumen/ LFM

Temperature:

-20°C - +80°C

Protection class:

IP65

Voltage:

12V

Cable length:

2.000mm Cable exit on the side with AMP plug and with a heat shrink tube as strain relief

Profile data:

Material:

EN AW-6060T66/AlMgSi

Size:

12x12x2 mm

Potting compound:

Material: highly transparent two-component silicone potting compound.
Extra suitable for potting sensitive electronic components
Non-yellowing

Cured elastomer (after 7 days at 23+-2°C and 65% relative humidity)

Tensile strength: BS903 Part A2 4.80 MPa
Elongation at break: BS903 Part A2 100%
Modulus of Elasticity: MPa Modulus at 100%
Elongation: BS903 Part A2 MPa
Tensile strength: BS903 Part A3 kN/m
Hardness: ASTM D 2240-95 40° Shore A
Specific gravity: BS 903 Part A1 1.02
Linear shrinkage: 0.20%
Thermal conductivity: 0.18W/mK
Coefficient of Thermal Expansion:
Volumetric 825 ppm / °C
Linear 275 ppm / °C
Min. working temperature: -60 °C
Max. Working temperature: AFS 1540B 204 °C
Refractive index: 1.406 Specific heat capacity
Heat capacity: 1.255 kJ/kg

Electrical properties

Volume resistivity: ASTM D-257 1.0x10¹⁵ Ω.cm
Dielectric strength: ASTM D-149 17 kV/mm
Dielectric constant at 1kHz: ASTM D-150 2.69
Dissipation factor at 1kHz: ASTM D-150 6x10⁻⁴

Cable data:

Conductor material: tinned stranded copper wire
Conductor class: according to IEC 60228 cl. 5
Core insulation material: silicone
Core identification: up to 5 cores according to DIN VDE 0293-308 colored cores
Stranding: cores stranded in layers
Outer sheath material: silicone
sheath color: red-brown
rated voltage: U₀/U: 300/500 V
test voltage: 2kV
Conductor resistance: at +20 °C according to IEC 60228 cl. 5
insulation resistance: min. 2,0 GΩ x km
smallest bending radius fixed: 4 x d
smallest bending radius moving: 15 x d
Operating temp. fixed min/max: -60 °C / +180 °C; short-term: +200 °C
Temperature at conductor max. +180 °C
Halogen-free: according to IEC 60754-1
Corrosivity: according to IEC 60754-2
Fire behavior: self-extinguishing and flame-retardant according to IEC 60332-1-2

Round plug: DC Connector 2.1 x 5.5. 11
Max. load 5A

Customs tariff number: 94054039

Note: Maximum 3.000 mm
Dimmable

Disposal: The product must not be disposed of with household waste. You are required to dispose of such waste electrical equipment separately. Please inform yourself at your local authority about the possibilities of regulated disposal. By disposing of the equipment separately, you are sending it for recycling or other forms of reuse. In doing so, you will help to prevent the release of potentially harmful substances into the environment.

Note: Due to the complex manufacturing process of light emitting diodes the typical values given for the technical LED parameters are purely statistical and do not necessarily correspond to the actual the actual technical parameters of each individual product which may deviate from the typical value.