

Helliflex Flat RGB

Bild:



Item number: 29.01.xxxx.2.RGB.IP65

Brief description: flexible LED encapsulated in silicone for self-shortening Fig.1 (p.3)

Article data:

Mounting technique: recessed mounting
Mounting with clips possible
Outer diameter: 16x11 mm (W* H)
Material: silicone casting compound cloudy
Protection class: IP65
Protection class: III

Operating technology LED:

LED: PLCC5050 Epistar Premium full colour
Power: 14.4 W /LFM
LEDS interface: 100 mm
Lumen: 1083 lumen/ LFM
Colour: RGB
Wavelength: R 625 Nm, G 525 Nm, B 468 Nm
Luminous intensity per LED: R 600 mcd, G 2000mcd, B 500mcd
Beam angle: 120°
Temperature: -20°C - +60°C
Protection class: IP65
Voltage: 24V
Cable length: 4.000mm Cable outlet on the side with AMP and with a heat shrink tube strain relief

Potting compound:

Material: addition-curing silicone compound.
Especially suitable for potting sensitive electronic components
Non-yellowing

Cured elastomer (after 7 days at 23+/-2°C and 50+/-5% relative humidity)

CTE Linear ppm/°C: 267 ppm/°C
CTE Volumetric ppm/°C: 801 ppm/°C
Colour: Translucent
Hardness Shore A: ASTM D 2240-95 28
Elongation %: ISO 37 746 %.
FDA: CFR [21] 177.2600 No
Linear shrinkage %: 0.06 %.
Max. Working temp + °C: AFS_1540B 200 °C
Min. working temp - °C: -60 °C
Modulus Youngs MPa: 0.62 MPa
SG: BS ISO 2781 1.12
Tensile kN/m: BS ISO 34-1 31 kN/m
Tensile MPa: ISO 37 5.06 MPa

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 coloured cores
Stranding: cores stranded in layers
Outer sheath material: silicone
Colour of sheath: reddish 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
Corrosion: according to IEC 60754-2
Fire behaviour: self-extinguishing and flame-retardant according to IEC 60332-1-2

Customs tariff number: 94054039

note: maximum 3.000 mm
dimmable

weight specification:

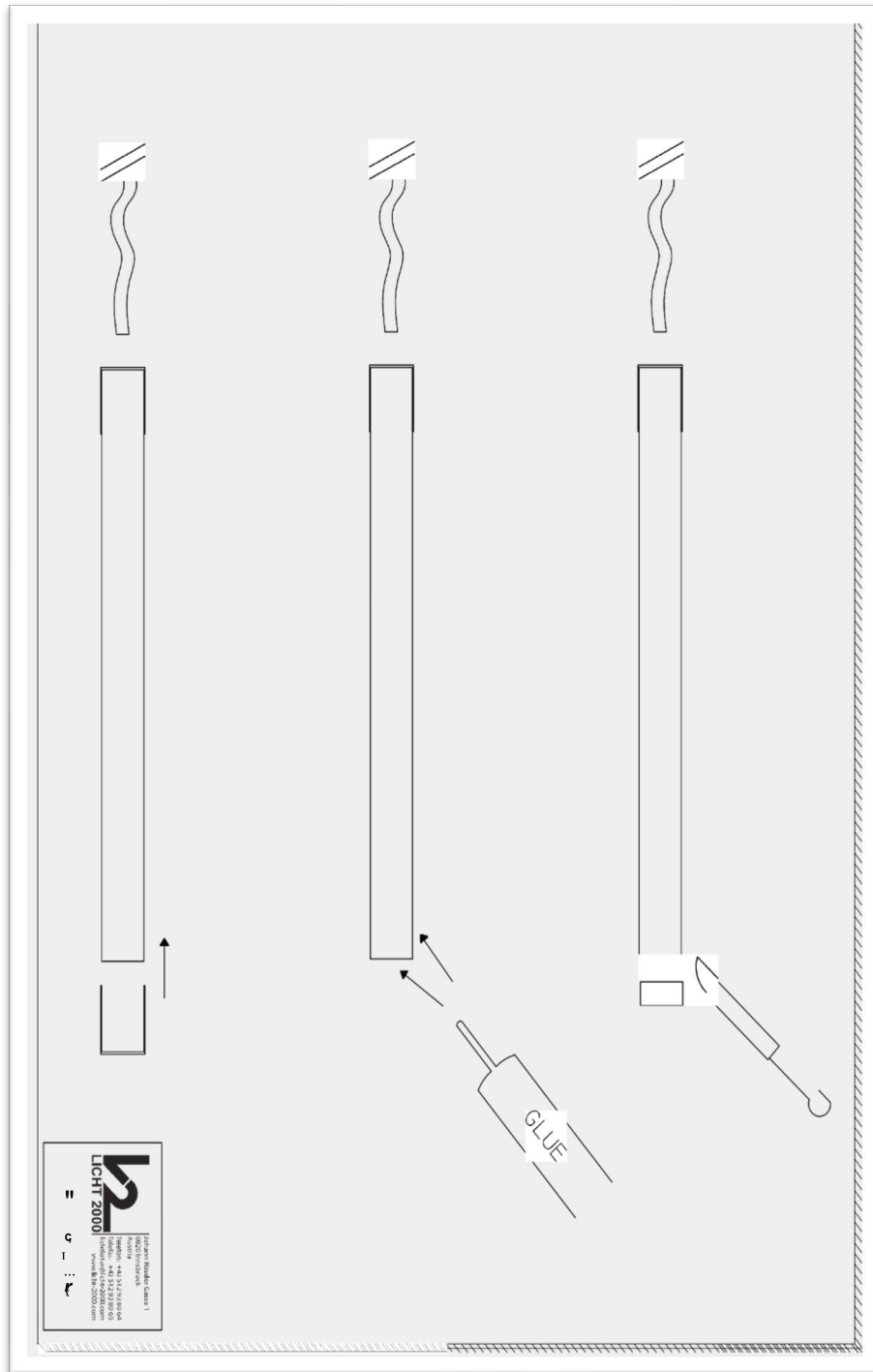
0,5 Lfm	500g
1,0 Lfm	1000g
1,5 Lfm	1500g
2,0 Lfm	2000g
2,5 Lfm	2500g
3,0 Lfm	3000g

Packaging note: An end cap is supplied with each Helliflex.

Disposal: The product must not be disposed of with household waste. You are obliged to dispose of such waste electrical equipment separately. Please contact your local authority for information on the possibilities of regulated disposal. By disposing of WEEE separately, you are sending it for recycling or other forms of reuse. By doing so, you 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.

FIG.1



Note: On our homepage you will find an installation video for the correct shortening and installation of the flexible LED versions.