

Specification for: SGMicro LED Module



Areas of application

- ♥ Signage and illuminated advertising.
- ♥ Best for 30~40mm depth light boxes and channel letters.
- ♥ Permanent indoor use in enclosed light boxes or channel letters.

Product features

- ♥ Chain of 20 pcs LED modules.
- ♥ High efficiency LED.
- ♥ High color consistency (MacAdam 4).
- ♥ Beam characteristic: 120°.
- ♥ Protection class of LED module: IP20.
- ♥ Flexible chain, can be split between any module.
- ♥ Push fit, tack
- ♥ Nominal life-time up to 25,000 h (at tc 50°C).
- ♥ Module size:
24 x 5 x 2.5 mm.

Application data

Max connection number	100 pcs
Distance of modules (wire)	10 mm
Ambient temperature ta	-25 ~ +70 °C
Max. temperature on module tc	60 °C
Storage temperature ts	-25 ~ +65 °C
Risk group (EN 62471:2008)	1
Certification list	CE/UL/RoHS

Technical data

Product Name	Nominal voltage ^③	Color temperature or Wavelength ^{①②}	CRI ^{①②}	Typ. Flux per module ^{①②}	Typ. Power per module ^{①②}	Luminous efficacy
SGMicro	12.0 V	6500 K	>80	25 lm	0.24 W	104.0 lm/W

① Tolerance range for optical and electrical data: -15/+15 %.

② All value @ ta=25°C.

③ Tolerance range for the supply voltage: 12 V: ± 5 %.