

# Specification for: SGNANO LED Module

**Weloveleds** ♥



## Areas of application

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

## Product features

- ♥ Chain of 100 pcs LED modules.
- ♥ High efficiency LED.
- ♥ High color consistency (MacAdam 4).
- ♥ Beam characteristic: 120°.
- ♥ Protection class of LED module: IP67.
- ♥ Flexible chain, can be split between any module.
- ♥ Mount using double-sided adhesive tape
- ♥ Nominal life-time up to 50,000 h (at tc 50°C).
- ♥ Module size:  
9 x 6.8 x 4.8 mm.

## Application data

Max connection number	100 pcs
Distance of modules (wire)	20 mm
Ambient temperature ta	-25 ~ +60 °C
Max. temperature on module tc	60 °C
Storage temperature ts	-25 ~ +70 °C
Risk group (EN 62471:2008)	1
Certification list	CE/UL/RoHS

## Technical data

Product Name	Nominal voltage <sup>③</sup>	Color temperature or Wavelength <sup>①②</sup>	CRI <sup>①②</sup>	Typ. Flux per module <sup>①②</sup>	Typ. Power per module <sup>①②</sup>	Luminous efficacy
SGNANOWW	12.0 V	2700~3300 K	>70	20.0 lm	0.20 W	100.0 lm/W
SGNANONW	12.0 V	3800~4200 K	>70	20.0 lm	0.20 W	100.0 lm/W
SGNANOPW	12.0 V	6000~6500 K	>70	20.0 lm	0.20 W	100.0 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 %.

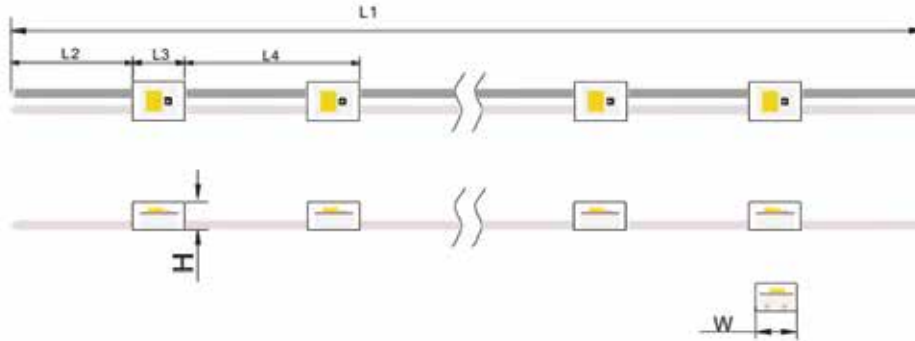
www.weloveleds.co.uk leds@thesigngroup.co.uk 01132524706

WeLoveLEDS.co.uk (part of The Sign Group) Unit 3 Maple Park Lowfields Avenue Leeds West Yorkshire LS12 6HH

# Specification for: SGNANO LED Module

Product 2D drawing (unit: mm)

Unit: mm/inch



100pcs/chain

Model	L1	L2	L3	L4	W	H
YS-M97311	2846[112]	23.0[0.79]	9.0[0.35]	28.0[1.1]	6.8[0.27]	4.8[0.19]

## Light Distribution/Isolux diagram

