

NH-S-0816-12 General Specification

NH-S-0816-12 The Most Reliable LED Neon

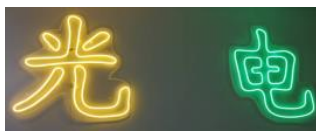


1. Features

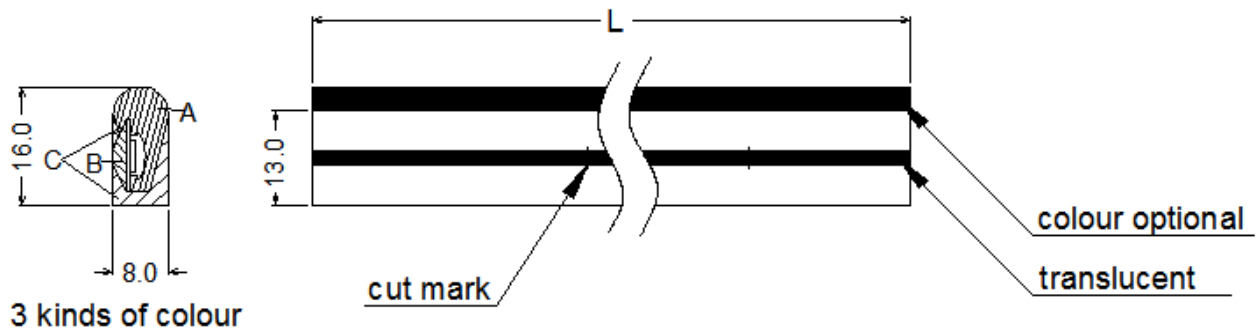
- ✧ Side bending and Top lighting
- ✧ Enhanced SMT LED inside
- ✧ 3-color silicone extrusion
- ✧ UV and yellowish resistant
- ✧ IP65 and salt-mist proof
- ✧ L70B50 >25,000hrs
- ✧ Easy installation and re-connect accessories
- ✧ Bending angle: nearly 360°

2. Applications

- ✧ Neon tube light source
- ✧ General and cove lighting



3. Dimensions



Notes:

1. Unit: mm
2. Strip L = 5 meters in standard configuration, max 50m per roll.

4. Environmental and Application Conditions

Ambient temperature range (TA on free air)	-40°C ~..+55°C
Operating (case) temperature range (TC)	-40°C ~..+65°C
Storage temperature range	-40°C ~..+85°C
Application	Indoor use

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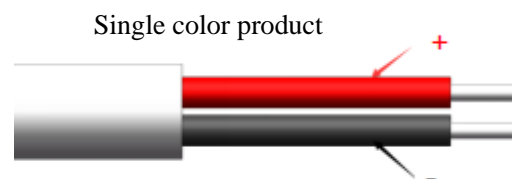
5. Electrical parameters

Item	NH-S-0816-12
Supply voltage rated	12.0 VDC
Supply Current rated (per meter)	750 mA
Power rated (per meter)	9 W
Max. length for single end power-in	5 meters
Max. length for two ends power-in	10 meters
Cutting unit length	25mm

6. Optical parameters

Part No.	Colorimetric Parameters		Product Flux	CRI
	Color	Value	Typ. Lumen	
NH-S-0816-12-C	Cool White	10000K	400 lm	80 tpy
NH-S-0816-12-M	Warm White	3000K	400 lm	80 tpy
NH-S-0816-12-R	Red	620-630nm	TBD	N.A
NH-S-0816-12-G	Green	520-530nm	TBD	N.A
NH-S-0816-12-B	Blue	460-470nm	TBD	N.A
NH-S-0816-12-P	Pink	380-440nm	TBD	N.A
NH-S-0816-12-GY	Golden yellow	600-605nm	TBD	N.A
NH-S-0816-12-LY	Lemon yellow	570-580nm	TBD	N.A
NH-S-0816-12-CY	cyan	480-485nm	TBD	N.A
NH-S-0816-12-Q	RGB	RGB	TBD	N.A

7. Wiring



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8. Attention

- a. The LED neon itself and all its components may not be mechanical stressed.
- b. Please ensure that the power supply is adequate power to operate the total load. Only qualified personnel should be allowed to perform installations.
- c. The design of the housing should be according to the IP standards in the application. Recommend using indoor.
- d. If surge protection structure not within power supplier, a lightening protector should be needed additionally.
- e. Before cutting and making reconnection, please read the user manual, and please ensure you have read and fully understood it.