

16 × 16 mm RGBW Top-Bending Neon Flex Light



NH-1616-5050-RGBW



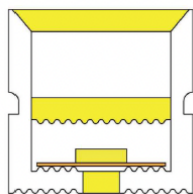
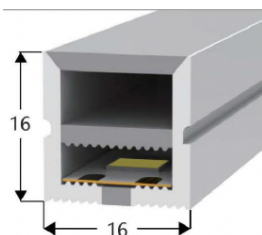
Key Features

- RGB + Warm White: Adjustable RGB colors with a dedicated 3000 K white channel.
- Uniform Illumination: Smooth, dot-free output with a 180° beam angle.
- Flexible Top-Bending Profile: 16 × 16 mm design for curved architectural outlines.
- 24 V DC Operation: Maximum power consumption of 14.4 W/m.
- IP67 Protection: Suitable for indoor and outdoor use with properly sealed ends and connections.
- Custom Lengths: Standard 5 m lengths with marked 100 mm cutting intervals.
- RGBW Control: Compatible with suitable 24 V RGBW PWM controllers.

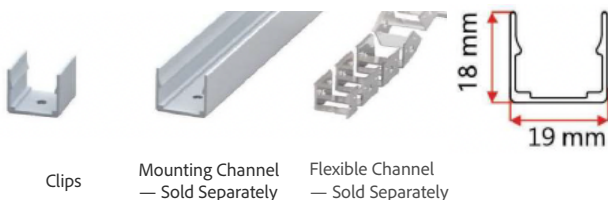
Applications

- Architectural accents, façade outlines, pathways, steps, signage, retail displays, and hospitality interiors

Dimensions (mm)



Mounting Accessories



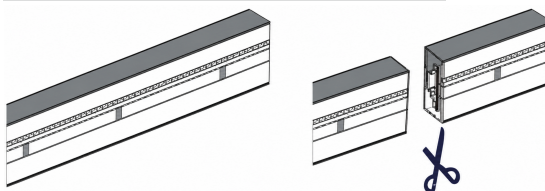
Ordering Guide

Series		Size	LED Type	Light Color	Length (m)
NH	LED Neon Strip Light	1616	5050	RGBW	Custom length

Specifications

Model	NH-1616-5050-RGBW
Product Size(mm)	16 × 16 mm (W × H)
LED Type	5050
Light Color	RGB + 3000 K Warm White
Luminous Flux (lm/m)	R 150 G 350 B 150 W 600
Input Voltage	24 V DC
Current (A/m)	0.60
Cutting Interval (mm)	100
Max Power Consumption (W/m)	14.4
CRI	> 80 (3000K)
Bending Direction	Top-bending (Vertical)
Dimming	PWM dimming via RGBW controller (Touch Panel or Smart Controller)
Beam Angle	180°
LED Quantity (LEDs/m)	60
Operating Temperature	-20°C to +50°C
IP Rating	IP67
Estimated Life(Hours)	30,000
Certification	cETLus
Warranty	3 Years

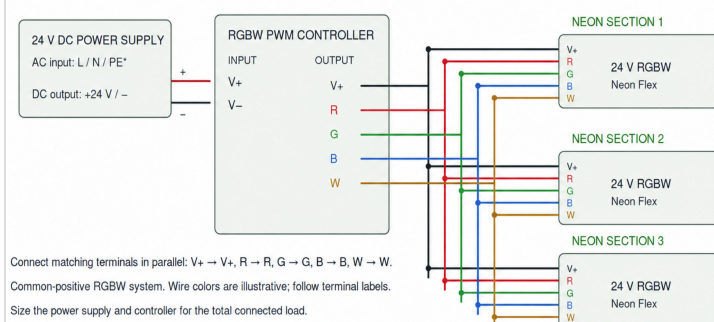
Installation Instructions - Cutting Method



- Cut only at marked 100 mm intervals. Seal all cut ends and connections with compatible accessories to maintain IP67 protection.
- Maximum Run Length: Do not exceed 10 metres (32.8 ft) per continuous run. For longer installations, divide the neon flex into separate sections and connect them in parallel to a suitable 24 V DC power supply.

RGBW NEON FLEX — PARALLEL WIRING

NH-1616-5050-RGBW | 24 V DC | RGB + 3000 K warm white



Connect matching terminals in parallel: V+ → V+, R → R, G → G, B → B, W → W.

Common-positive RGBW system. Wire colors are illustrative; follow terminal labels.

Size the power supply and controller for the total connected load.

Seal outdoor connections. Follow product limits for run length and additional power feeds.

*PE: protective earth, where required by the power supply. Confirm the actual terminal arrangement.