

10 × 18 mm RGB Side-Bending Neon Flex



NH-1018-5050-RGB



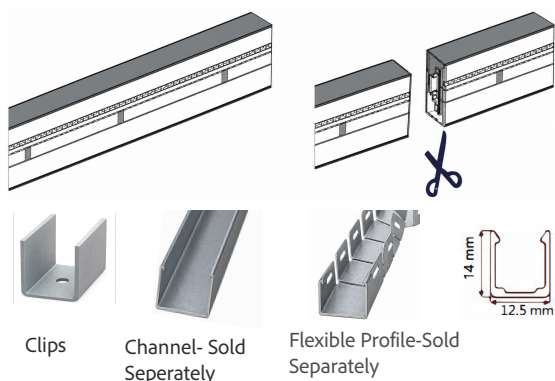
Key Features

- Dynamic RGB Colour Changing:** Produces a wide range of vibrant colours using a compatible RGB controller.
- Smooth, Uniform Illumination:** The silicone diffuser provides consistent lighting with minimal visible LED dots.
- Side-Bending Design:** The flexible 10 × 18 mm profile bends horizontally, making it ideal for curves, outlines and custom shapes.
- Indoor and Outdoor Use:** IP67-rated silicone construction provides protection against dust and moisture when properly sealed.
- Dimmable and Controllable:** Supports PWM dimming, colour selection and dynamic effects through compatible RGB controllers.
- Customizable Lengths:** Available in standard 5 m rolls and custom-cut lengths, with a 100 mm cutting increment.

Application:

- Architectural Lighting:** Ideal for accentuating building features with vibrant colors.
- Outdoor Installations:** Suitable for pathways, gardens, steps and exterior façades when all cut ends and electrical connections are properly sealed.
- Signage & Displays:** Creates eye-catching signs and displays with dynamic RGB lighting.
- Interior Design:** Enhances ambiance in commercial, retail, hospitality, and residential spaces.
- Event & Stage Lighting:** Provides versatile color options for dynamic lighting effects.

Installation Instructions - Cutting Method



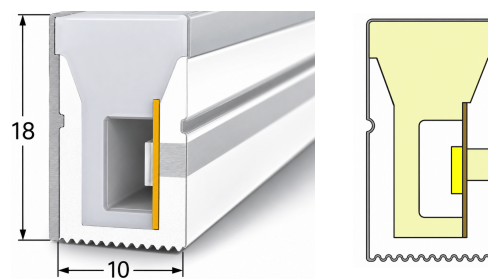
Ordering Guide

Series		Size	LED Type	Color Temperature	Length(m)
NH	LED Neon Strip Light	1018	5050	RGB	Custom Length

Specifications

Models	NH-1018-5050-RGB
Product Size(mm)	10 × 18 mm (W × H)
LED Type	SMD 5050
Light Color	RGB
Luminous Flux	R 150 lm/m G 350 lm/m B 150 lm/m
Input Voltage	24 V DC
Current (A/m)	0.60
Minimum Cutting Length (mm)	100
Max Power Consumption (Watt/m)	14.4
Lighting Direction	Side View(bends horizontally)
Beam Angle	180°
Dimming	PWM dimming via RGB controller (Touch Panel or Smart Controller)
LED Quantity(per meter)	60 LEDs/m
Operating Temperature	-20°C to +50°C
Storage Temperature	-30°C to +80°C
Net Weight(kg)	1.8 kg per 5 m roll
IP Rating	IP67
Estimated Life(Hours)	30,000
Certification	cETLus
Warranty	3 Years

Dimensions

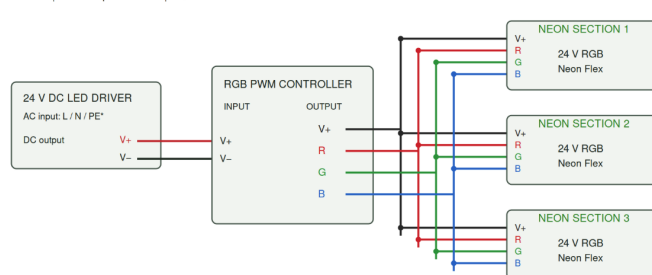


Wiring Recommendation:

For long runs, parallel power connections are recommended to minimize voltage drop and maintain consistent brightness.

RGB NEON FLEX — PARALLEL WIRING

24 V DC | Common-positive RGB | Four-wire connection



Connect matching terminals in parallel: V+ → V+, R → R, G → G, B → B.
Choose a driver and controller rated for the combined load. Follow terminal labels, not wire colors.
Use suitable sealed connections outdoors and follow the specified maximum run length.
*Connect protective earth where required by the driver. Confirm actual device terminal arrangements.