

Neon FlexLED V3



The Neon FlexLED V3 is a versatile, high-performance LED lighting solution, designed as a durable and customizable replacement for traditional neon. Offering six different versions, including RGB, RGBW (2700K or 5600K), CCT adjustable (2700K–5000K), and RGBW pixel control (2700K or 5600K), this flexible lighting solution provides endless creative possibilities. With 0–100% dimming and compatibility with multiple control options (DMX, rotary knob, Zigbee), Neon FlexLED V3 is ideal for film, television, architectural, and commercial applications.

Key Features:

Customizable Neon Replacement – Durable, flexible, and safer than traditional neon.

Multiple Control Options – Compatible with DMX, rotary knob, and Zigbee controllers.

Wide Range of Configurations – Available in RGB, RGBW, CCT adjustable, and pixel-controlled versions.

Bubble & Flat-Top Options – Bubble top for 180° visibility or optional flat top for directional lighting.

IP67 Rated – Water-resistant for indoor and outdoor installations.

Certified for Global Use – cULus, RoHS, and CE compliant.

Long Lengths of 10m – Customizable every 5–10cm depending on version.

High CRI White LEDs – Delivers soft white output and pastel colours when mixed with RGB.

Perfect for film and television sets, concert touring, theatres, restaurants, exhibitions, bars, shopping malls, parking lots, and more, the Neon FlexLED V3 offers unparalleled flexibility and high-quality illumination for any environment.



TECHNICAL SPECIFICATIONS

Product Type	RGB+W	RGB	Bi-Colour	RGB+W Pixel UCS7604
Product Code	NF-W24VD1022-RGBWXX-95-10MBEW	NF-W24VD1022-RGB-50-10MBEW	NF-W24VD1022-BC2750-95-10MBEW	NF-W24VD1022-RGBWXX-95-UCS7604-10MBEW
CRI	≥95	N/A	≥95	≥95
Kelvin	Colour Changing R/G/B/W 2700K or 5600K	Colour Changing RGB	2700k ~ 5000k or 2700k ~ 5500k	Colour Changing R/G/B/W 2700K or 5600K
Housing Colour	White	White	White	White
Current, Rating	0.79 A / meter	0.79 A / meter	0.79 A / meter	0.79 A / meter
Voltage	24 VDC	24 VDC	24 VDC	24 VDC
Wattage / Meter	19.2 W	19.2 W	19.2 W	23 W
CC / CV	Constant Voltage	Constant Voltage	Constant Voltage	Constant Voltage
IP Rating	IP67	IP67	IP67	IP67
Lumens @ Full	600 - 800 lm / meter	600 - 800 lm / meter	600 - 800 lm / meter	600 - 800 lm / meter
Lumen / Watt	N/A	N/A	N/A	N/A
Lifetime*	30,000 hours	30,000 hours	30,000 hours	30,000 hours
Cutting Length	10 CM	5 CM	5 CM	8.33 CM
LED Quantity	60 LED / meter	120 LED / meter	280 LED / meter	84 LED / meter
Number of Contacts	5	4	3	4
LED Type	5060	3838	2016	5060
Copper Quantity	3 Oz.	3 Oz.	3 Oz.	3 Oz.
Temperature, Operating, Maximum	60 °C	60 °C	60 °C	60 °C
Temperature, Operating, Minimum	-40° C	-40° C	-40° C	-40° C
Agency Ratings	UL E489028, CE, RoHS	UL E489028, CE, RoHS	UL E489028, CE, RoHS	UL E489028, CE, RoHS
Dimensions Top	12 X 22 MM	12 X 22 MM	12 X 22 MM	12 X 22 MM
Dimensions Base	10 X 22 MM	10 X 22 MM	10 X 22 MM	10 X 22 MM
Maximum Recommended Length	10 meters (Power injection at both ends recommended)	10 meters (Power injection at both ends recommended)	10 meters (Power injection at both ends recommended)	10 meters (Power injection at both ends recommended)
Viewing Angle	180 degree	180 degree	180 degree	180 degree
Adhesion	3M VHB5952 Adhesive Mounting Clips Sold Separately	3M VHB5952 Adhesive Mounting Clips Sold Separately	3M VHB5952 Adhesive Mounting Clips - Sold Separately	3M VHB5952 Adhesive Mounting Clips - Sold Separately
Pixel Protocol	None	None	None	UCS7604

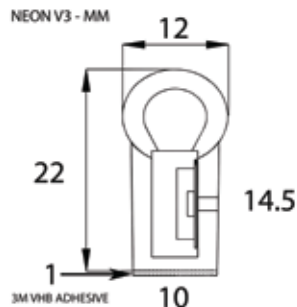
Neon FlexLED V3 SKU ORDERING CODES

NF	W	24	V	D1022	RGBW27	95	UCS8904	10M	BEW
1	2	3	4	5	6	7	8	9	10
Series	IP Rating (IP67)	Operating Voltage	Voltage	Shape & Dimensions	Colour & CCT	CRI	Pixel Protocol	Length	Connector

1 Family Series NF NeonFlex	2 IP Rating W IP67 - Weatherproof	3 Voltage 24V 24VDC (Standard) 5-36V Custom Order	4 Voltage Type V Constant Voltage (Standard) C Constant Current (Optional)	5 Shape & Dimensions D1022 Dome 10MM X 22MM F1018 Flat 10MM X 18MM
6 Colour & CCT RGB Red + Green + Blue RGBW27 Red + Green + Blue + 2700k RGBW56 Red + Green + Blue + 5600k BC2750 2700K + 5000K	7 CRI 95 95 (Standard) 80 80 Optional	8 Pixel Protocols UCS8904 UCS8904 Standard Various pixel protocols available Contact us for more information	9 Length 10M 10 Meters (Standard) 0.5CM -> 10M (Optional)	10 Connector BEW Bare End Wire (Standard) SPM 5PM Chogori Connector XXX Optional - Contact Us

ACCESSORIES

Neon FlexLED V3 Dimensions



Neon FlexLED V3 Accessories



End Cap With Hole Right Exit
SKU: NF-ABV3-ECWH-R



End Cap With Hole Straight Exit
SKU: NF-ABV3-ECWH-S



End Cap With Hole Left Exit
SKU: NF-ABV3-ECWH-L



Mounting Channel (1.22 meters)
SKU: NF-ABV3-1.22M



Mounting Clip
SKU: NF-ABV3-CLP



End Cap Closed
SKU: NF-ABV3-ECWH-R

Additional Details:

Pricing is for 10 meters (32.81') - custom lengths available.
Controller, power supply, and extension cables sold separately.

Maximum run length: 10 meters(32.81') – Power required at both ends to reduce line loss.

Soldering Guidelines:

Use a soldering iron between 360°C and 372°C (680°F ~ 702°F)
Limit heating of each solder pad to a maximum of 3 seconds to avoid separation.

Need a custom solution? Contact us today!