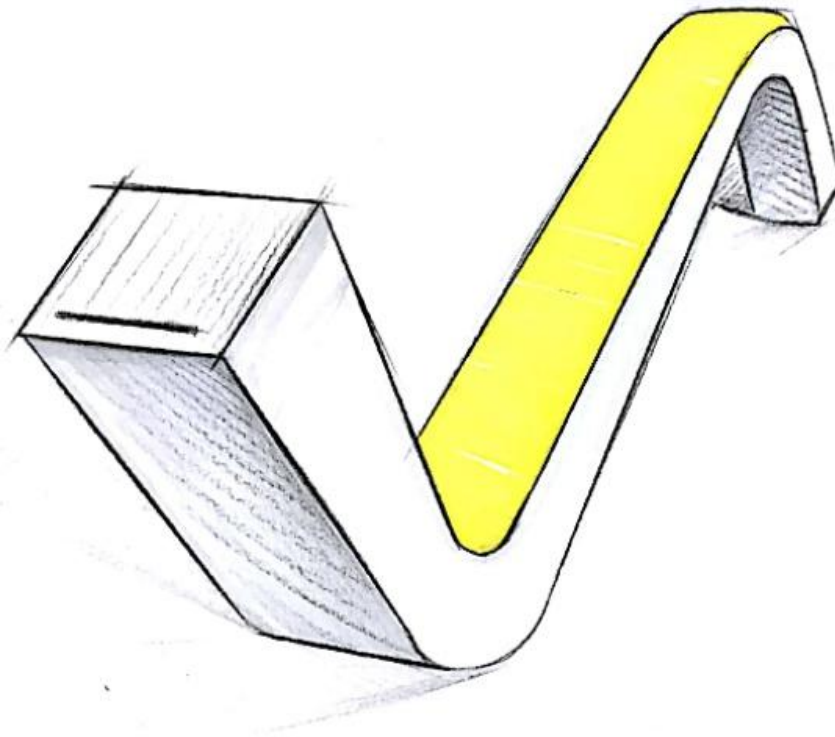# LED Neon Flex
F1616 White Static

Description

F1616 LED NEON FLEX is our good quality & competitive product. It adopt optimized heat dissipation with innovative waterproof design.

It takes flat lighting surface, and give people a sense of simplicity and elegance. Different bending directions bring more possibilities to lighting design. This series is suitable for embedded installation, and is very popular in facade, hotel, commercial lighting and other application.
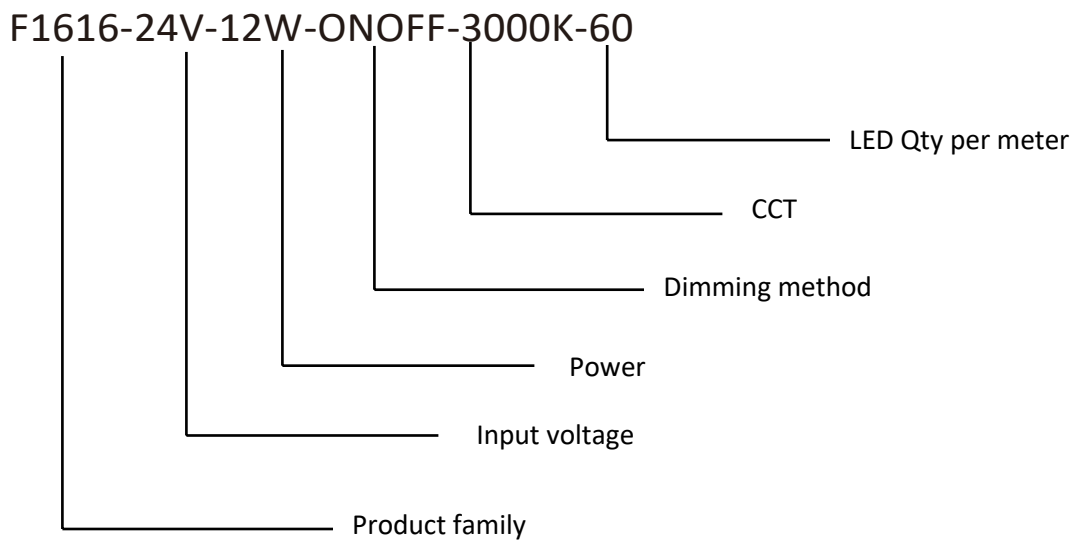
Features

• With innovative heat sink design
• High lighting efficiency
• Patented waterproof design
• Light weight and slim appearance
• Reliable with a long lifespan

Application

• Commercial building
• Shopping mall
• Bridge
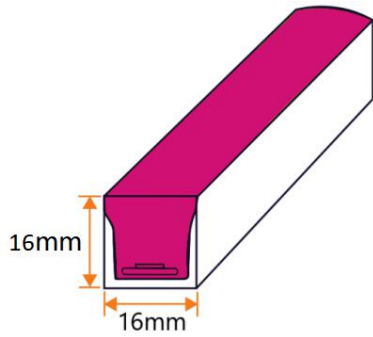• Special-shaped building
• Others

Model

F1616-24V-12W-ONOFF-3000K-60
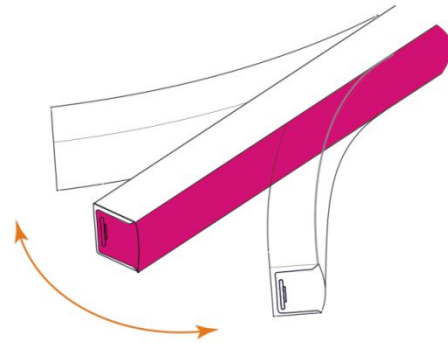
- LED Qty per meter
- CCT
- Dimming method
- Power
- Input voltage
- Product family

Technical Specification

Model No.	F1616-24V-12W-ONOFF-3000K-60	F1616-24V-10W-DMX-3000K-120	F1616-24V-10W-DMX-3000K-144
Input voltage	DC24V	DC24V	DC24V
CCT	3000K(other CCT optional)	3000K(other CCT optional)	3000K(other CCT optional)
LED chip	SMD5050	SMD2835	SMD3528
LED Qty per meter	60	120	144
Power (W)	12	10	10
Pixel per meter (Pixel)	N/A	N/A	N/A
Dimming method	N/A	N/A	N/A
Minimum cutting unit	6PCS LED	12PCS LED	12PCS LED
Minimum cutting length	10cm	10cm	8.33cm
Maximum length single feed	7		
Maximum length double feed (Mtr)	14		
Wire number	2		
Dimension (mm)	W16*H16		
Light surface	120°		
Bending direction	Vertically		
Lumen maintenance	70,000 Hours L70 25°C , 50,000 Hours L70 50°C		
Housing material	PVC		
Installation temperature	0°C to +55°C		
Operation temperature	-25°C to +55°C		
Humidity	0-95% non condensing		
IP	IP68, IP67		
Warranty	Standard 3 years, 5 years optional		

Physical Specification

Light profile

16mm
16mm

Bending Direction

Minimum Bending Diameter

120mm
4.72 inch

PVC
FPCB

Waterproof Connector
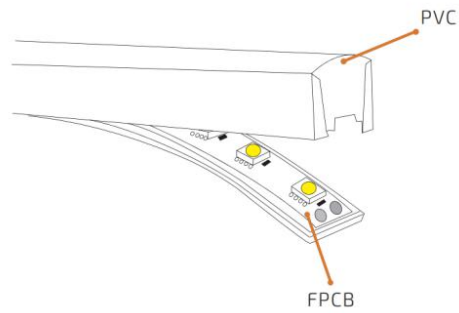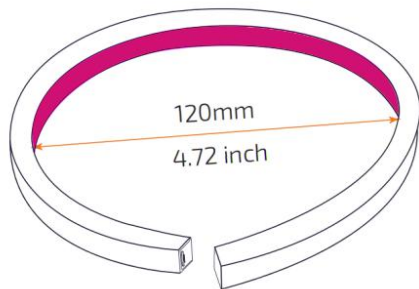
Mold injection connector	Direct Connector	Side Connector	Bottom Connector
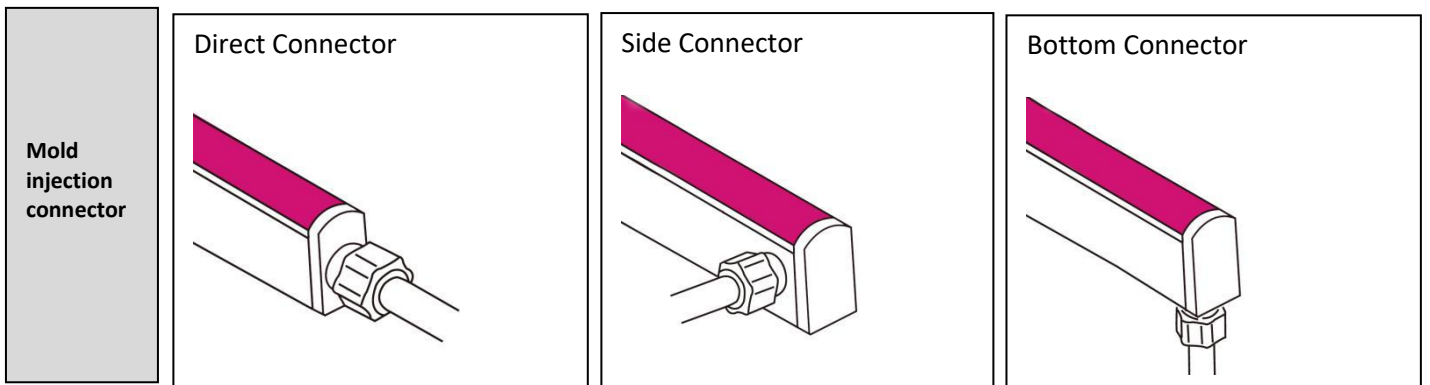
Loading Chart

| Power Supply										
Rated Power	35W	60W	75W	80W	100W	120W	150W	185W	240W	320W
12/m	2m	4m	5m	6m	7.5m	8m	10m	12.3m	16m	20m
Lead Type	Single Feed				Double Feed					
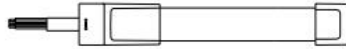
Note: These are the max recommended run lengths based on power supply.

For example: It is recommended to use one 80W power supply for a single-fed run of 6m at 12W/m.
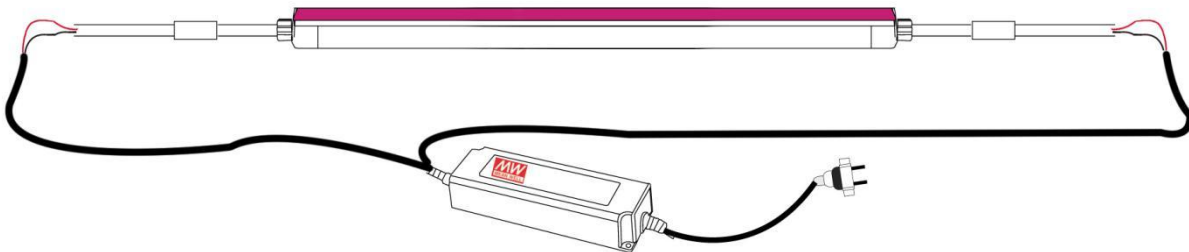
Wavelength of Color

Red
618-624nm

Green
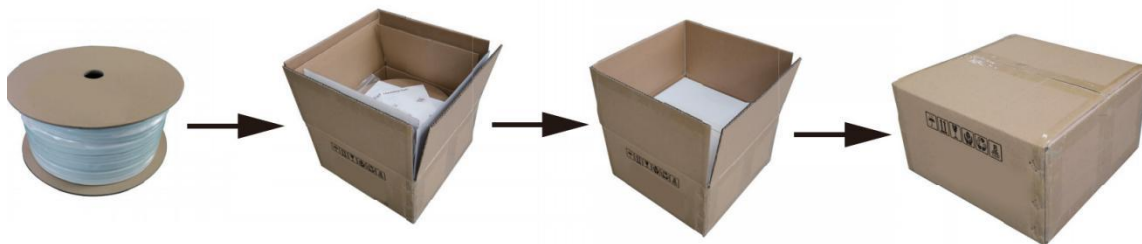522-528nm

Blue
468-474nm
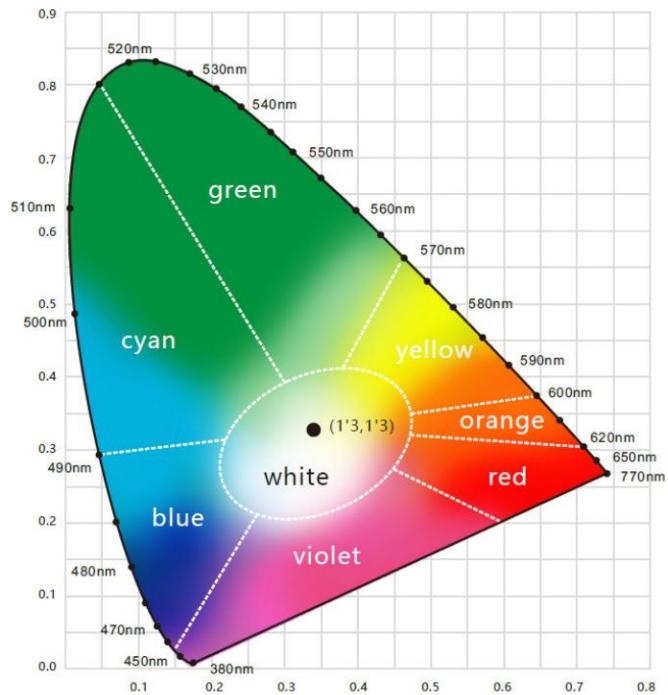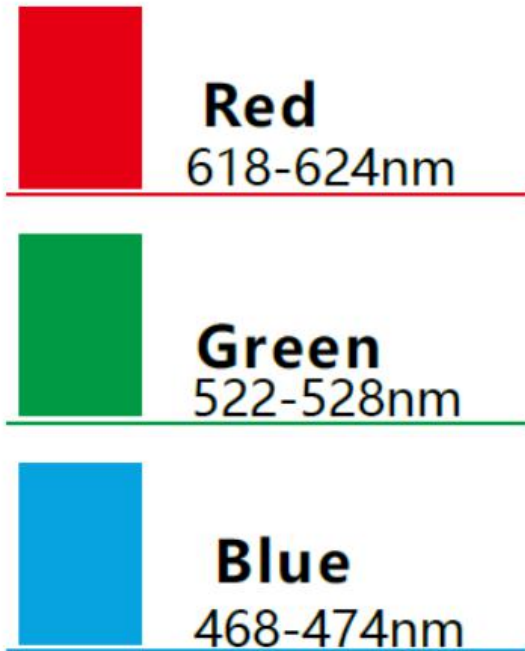
Wiring Diagram
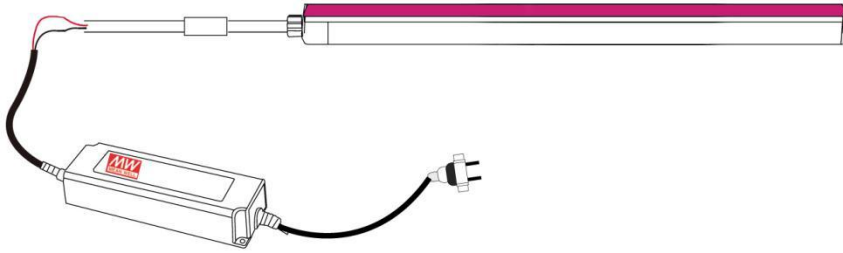
Single Feed: Length<7Meters

Double Feed: 7Meters<Length<14Meters

Packaging

Standard Carton

Customized Carton