



## 270 DEGREE DOMED FLEX NEON



### Features and Benefits

- Nichia SMD LED Chip
- Seamless Uniform Continuous Light
- Quick Lead Times
- Freely Configurable
- Bend Radius of 60 millimeters/ 2.59 inches
- Square and Rounded Profiles
- Three Year Manufacturer's Warranty

This most reliable LED Neon Flex on the market, offers seamless fittings built to preserve light uniformity. Engineered for on-site configuration and assembly makes this the definite solution for architectural accents and signage. Flexibility is just one of the many outstanding features which allow designers to explore organic shapes and advanced patterns, previously not possible.

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## Technical Specifications

<b>Dimensions</b>	<b>11.5 x 29mm / .45 x 1.14in</b>	<b>11.5 x 21mm / .45 x .83in</b>
LED Light	Nichia SMD LED Chip	
Running Length	Single feed: 10 meters / 32.8 feet Double feed: 20 meters / 65.6 feet	
Light Surface	Rounded profile 270°	Square profile 160°
Lumen Maintenance	70,000 Hours L70 @ 25°C : 90,000 L50 @ 25° 50,000 Hours L70 @ 50° : 70,000 Hours L50 @ 50°C	
Chromaticity Ordinates	x: 0.4715 y: 0.4279 u: 0.2624 v: 0.5354	
Color Bin Tolerances	+/- 3 %	
Efficacy (lm/w)	19.88	
CRI	88	

### Electrical

Input Voltage	24V DC Constant Voltage	
Power Consumption	Warm Colors*: 7.2 watts per meter / 2.2 watts per foot Cool Colors*: 12 watts per meter / 3.7 watts per foot	
Power Factor	≤ 1	
LED Count	108 per meter / 32.9 per foot	
Dimming	110-0277v 0- 10v & Magnetic Low Voltage	

### Physical

Materials	Polyvinyl Chloride (PVC)	
LED Spacing	16.7 millimeter / .66 inch	
Cutting Length	Warm Colors*: 167 millimeters / 6.6 inches Cool Colors*: 100 millimeters / 3.9 inches	
Package Size:	340 x 340 x 120 millimeters / 13.4 x 13.4 x 9.4 inches	340 x 340 x 120 millimeters / 13.4 x 13.4 x 4.7 inches
Package Weight:	10.5 kilograms / 23.1 pounds	8 kilograms / 17.6 pounds
Thermal Management	Cool to the Touch, Free Air Convection	
Fixture Connections	Front & End Leader Cables	

### Bend Tolerances

Maximum (lateral bending only)	120 millimeters / 4.7 inches
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### Temperature Ranges

Ambient	-30° to 45° Celsius / -22° to 113° Fahrenheit
Operating	-25° to 45° Celsius / -13° to 113° Fahrenheit
Humidity	0- 95% Non Condensing

### Dependability

Warranty	3 years
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### Safety

Certification	Tested to UL & CSA by Underwriters Laboratory for use in USA and Canada, complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
IP Rated	IP68 Factory Order / IP68 with Accessories

\*Warm Colors: Red, Yellow, Amber and Orange. Cool Colors: Whites, Green, Blue and Hot Pink.

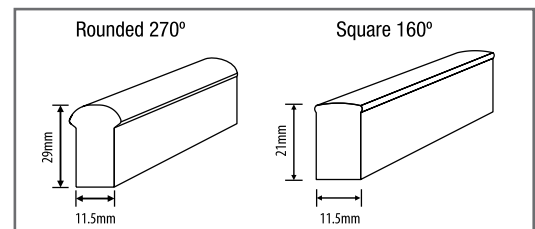
## Colors Available

Color	CCT Wave Length
Red	620 - 630 Nanometer
Pink	630 - 645 Nanometer
Orange	595 - 620 Nanometer
Amber	590 - 595 Nanometer
Yellow	560 - 590 Nanometer
Green	520 - 530 Nanometer
Blue	460 - 470 Nanometer
Warm White	2700K
White	3500K
Cool White	4500K
Daylight White	5700K

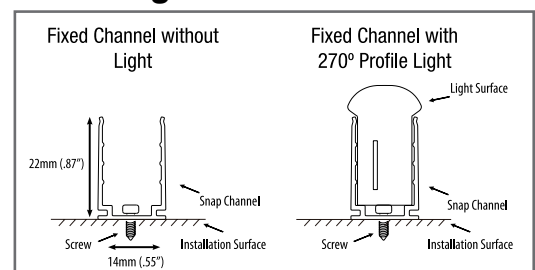
## Lumen Count

Color	Per Meter	Per Foot
Red	100 lm/m.	30.4 lm/ft.
Pink	110 lm/m.	33.5 lm/ft.
Orange	85 lm/m.	26 lm/ft.
Amber	75 lm/m.	22.9 lm/ft.
Yellow	20 lm/m.	6.1 lm/ft.
Green	250 lm/m.	76.2 lm/ft.
Blue	35 lm/m.	10.7 lm/ft.
Warm White	320 lm/m.	97.6 lm/ft.
White	320 lm/m.	97.6 lm/ft.
Cool White	320 lm/m.	97.6 lm/ft.
Daylight White	320 lm/m.	97.6 lm/ft.

## Profiles



## Mounting



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## Accessories

Power Feed Coupler



Quick Assembly Power Feed. Stainless Steel 316 with Beryllium Copper bite plate.

End Cap Coupler



Quick Assembly Termination Cap. Stainless Steel 316 with Beryllium Copper bite plate.

Power Feed Coupler (Screw)



Anodized Aluminum Power Feed. Mechanical assembly for extreme applications.

End Cap Coupler (Screw)

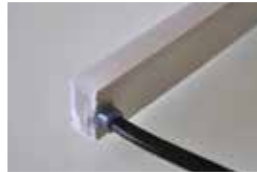


Anodized Aluminum Termination Cap. Mechanical assembly for extreme applications.

Jumpers



Seamless Injection-molded Power Feed Side Exit



Seamless Injection-molded Power Feed Bottom Exit



Injection-molded End Cap



## Optional Accessories

Seamless Coupler T-feed



Seamless Coupler



Power T-feed



Male and Female Connectors



Illuminated Inside Corner



Illuminated T



Illuminated X



## Installation Accessories

Snap Channel



Self-Locking Snap Channel



Cutter



Coupler Assembly Tool



Insert Inducer



## Tool Kit

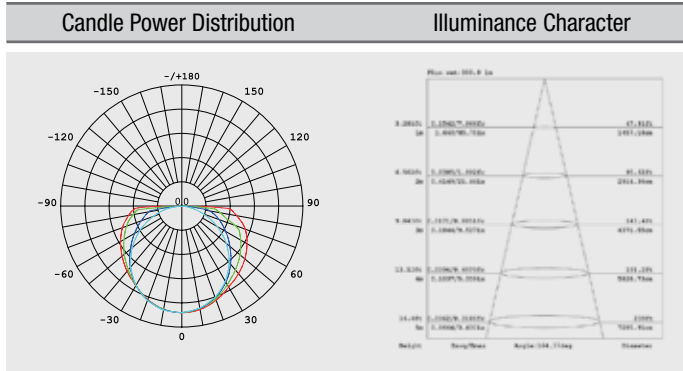
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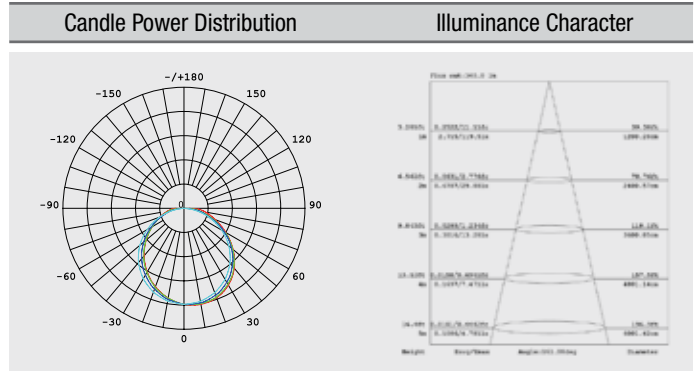
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## Photometric Data

### 270° Viewing Optic



### 160° Viewing Optic



\*Photometric data available upon request