BL neonVIEW LINE FLAT

Diffused, Flexible, Linear LED Lighting, Flat Profile, 120VAC
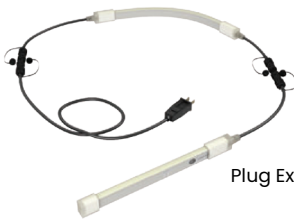
BL LIGHTING
SINCE 1986

The BL neonVIEW Series family of direct-view, linear lighting products are best-in-class, fully flexible, specification-grade customizable LED systems for indoor or outdoor use.With BL neonVIEW LINE FLAT you can achieve run lengths up to 130FT from a single 120V power cable! The flexible, flat shaped diffuser bends horizontally and emits a dot free, vivid line of concentrated light, up to 137 lm/ft, with a 160° viewing angle. Ideal for building outlines, facades, signage and architectural accents. Double-injection molded terminations provide great weather protection, and cables are configurable for hard-wiring or simply plug and play. BL neonVIEW LINE FLAT is available in your choice of single color, and a wide variety of standard and custom CCT values.
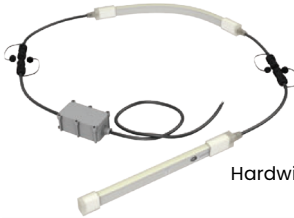
CLIENT	
PROJECT NAME	
LOCATION	
DATE	

`Dot-free` `120VAC input` `-4°F to 113°F (-20°C to 45°C)`

Product Detail

Plug Extendable

Hardwired Extendable

IP65   LINE   ELV   ETL   3 YEAR WARRANTY

Lighting	Lamp	LED, SMD 5050
	LED's Per Foot	27 LEDs/ft (84 LEDs/m)
	Beam Angle	120°
	Average Life	50,000 Hours
Electrical	Input Voltage	120VAC
	Connections	Hardwired (HP), Male Plug-in Connector (PP)
Mechanical	Housing Construction	Injection Moulded White PVC
	Maximum Run Length	130' (39.6m)
	Medial Bend Radius	2.36" (60mm)
	Mounting	Clip, Track
	Connection	Factory installed, double injection molded
Environmental	Operating Temperature	-4°F to 113°F (-20°C to 45°C)
	Ingress Protection	IP65
	Certifications	ETL

Performance

CCT/Color		2200K	2700K	3000K	3500K	4000K	5700K	Red	Green	Blue	Amber
Power	W/FT (W/m)	3.05 (10)									
Lumens	lm/FT (lm/m)	91 (300)	107 (350)	107 (350)	107 (350)	107 (350)	107 (350)	67 (220)	137 (450)	24 (80)	67 (220)
Efficacy	lm/W	30	35	35	35	35	35	22	45	8	22
CRI	CRI	80						–	–	–	–
Increment	inch (mm)	3.28 (83.3)						4.92 (125)	3.28 (83.3)	3.28 (83.3)	4.92 (125)
Max. Length	ft (m)	130 (39.6)									

Ordering

Product Code	CCT/Color	Lead Orientation		Connector		Mounting Accessories*	
BL neonVIEW LINE FLAT							
	2200K	LINETKBC	= Back Lead	HP	= Hardwired Power Cable	NV CPS	= Mounting Clip
	2700K	LINETKEC	= End Lead	PP	= Plugin Power Cable	NV CHS	= Mounting Channel
	3000K	LINETKRC	= Right Side Lead			NV RCPS	= Recessed Mounting Clip
	3500K	LINETKLC	= Left Side Lead			NV RCHS	= Recessed Mounting Channel
	4000K					NV FCHS AL	= Flexible Mounting Channel
	5700K						
	Red						
	Green						
	Blue						
	Amber						

* Stainless steel and composite mounting options are also available.

Minimum Bend Radius and Bend Orientation

Minimum Bend Radius
2.36" (60mm)

Cutting Increments
3.28" (83.3mm): White CCTs/Green/Blue
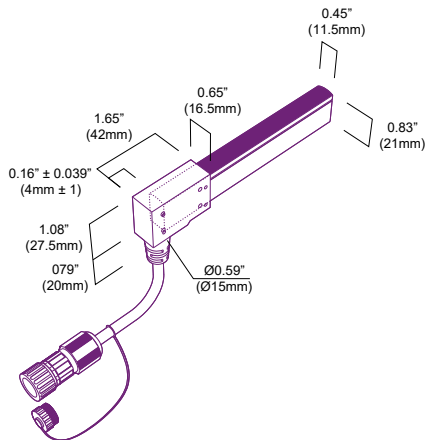4.92" (125mm) : Red/Amber

Light Surface

BL neonVIEW LINE FLAT Series bends horizontally
Vertical bend option available on BL neonVIEW LINE SIDE Series
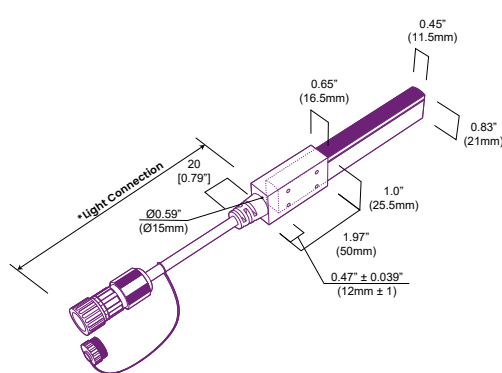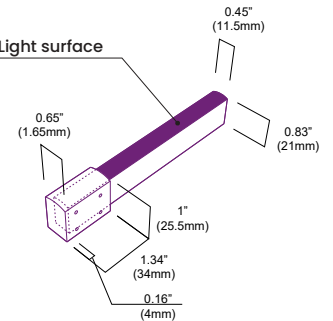
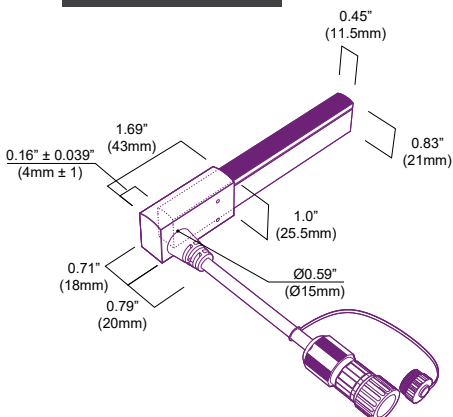## Dimensions & Lead Orientations

Back Lead
LINETKBC

0.45"
(11.5mm)

0.65"
(16.5mm)

0.83"
(21mm)

1.65"
(42mm)

0.16" ± 0.039"
(4mm ± 1)

1.08"
(27.5mm)

079"
(20mm)

Ø0.59"
(Ø15mm)

End Lead
LINETKEC

0.45"
(11.5mm)

0.65"
(16.5mm)

0.83"
(21mm)

20
[0.79"]

*Light Connection

Ø0.59"
(Ø15mm)

1.0"
(25.5mm)

1.97"
(50mm)

0.47" ± 0.039"
(12mm ± 1)

End Cap

0.45"
(11.5mm)

Light surface

0.65"
(1.65mm)

0.83"
(21mm)

1"
(25.5mm)

1.34"
(34mm)

0.16"
(4mm)

Right Side Lead
LINETKRC

0.45"
(11.5mm)

1.69"
(43mm)

0.16" ± 0.039"
(4mm ± 1)

0.83"
(21mm)

1.0"
(25.5mm)

0.71"
(18mm)

Ø0.59"
(Ø15mm)

0.79"
(20mm)

Left Side Lead
LINETKLC

0.45"
(11.5mm)

Ø0.59"
(Ø15")

0.83"
(21mm)

1.0"
(25.5mm)

0.79"
(20mm)

0.71"
(18mm)

1.69"
(43mm)

0.16" ± 0.039"
(4mm ± 1)

*Light Connection
Standard Length: 1ft (0.3 m)
Length can be customized to
9.84ft (3m), 16.4ft (5m), 32.8ft (10m)

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Flat Profile, 120VAC

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Connector & Acessories Dimensions

Power Plugin

0.75"
(19mm)

1.02"
(26mm)

7.26"
(70mm)

Fuse Box

1.44"
(36.5mm)

2.48"
(63mm)

3.17"
(80.5mm)

5"
(127mm)
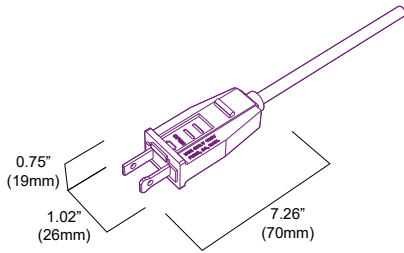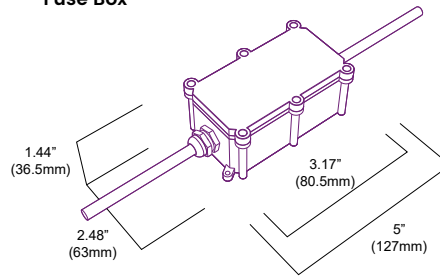
Male/Female Connectors

Ø0.83"
(Ø21mm)

3.54"
(90mm)
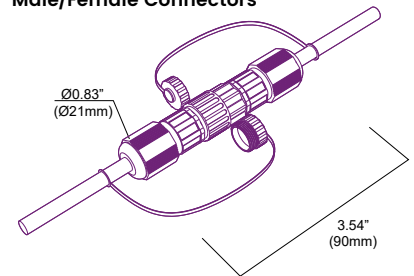
120VAC Connection Options

Plug Extendable

Female
Connector

Male
Connector

End
Cap

Max. Light Delivery Length ≤ 20m

*Power Lead
Standard Length: 6ft (1.8m)

*Light Connection
Standard Length:
1ft (0.3m)

Hardwire Extendable

Fuse Box

Light surface

Max. Light Delivery Length ≤ 20m

*Power Lead
Standard Length: 6ft (1.8m)

*Light Connection
Standard Length:
1ft (0.3m)
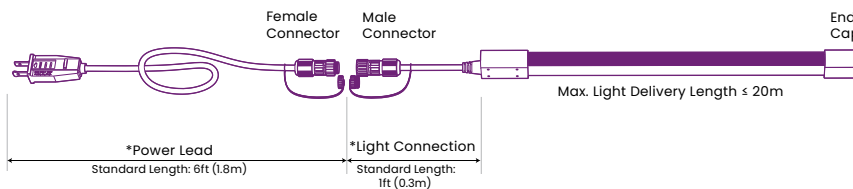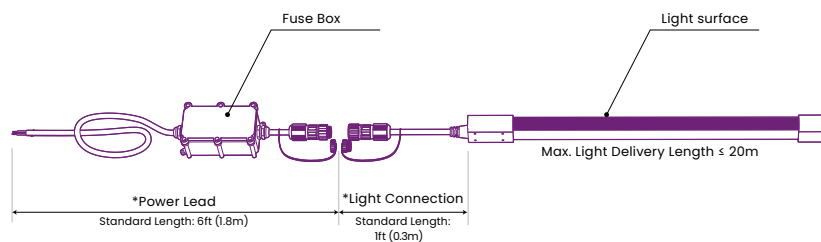
*Power Lead
Standard Length: 1ft (0.3m)
Length can be customized to
9.84ft (3m), 16.4ft (5m), 32.8ft (10m)

*Light Connection
Standard Length: 6ft (1.8m)
Length can be customized to
9.84ft (3m), 16.4ft (5m), 32.8ft (10m)

Extended Segment - Up to 130ft (40m)
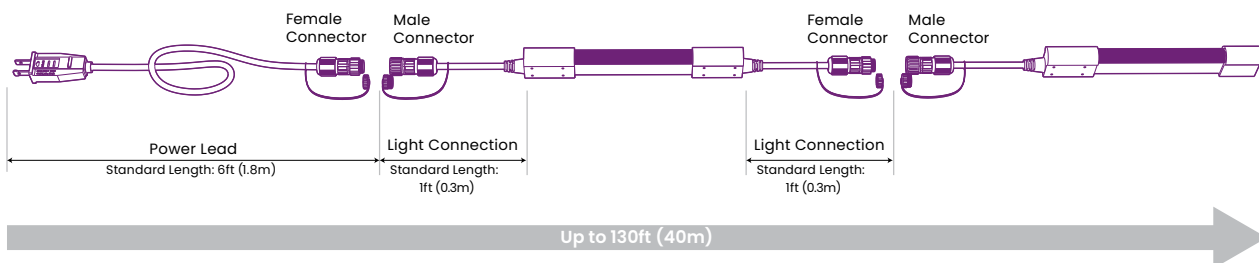
Plug Extendable

Female
Connector

Male
Connector

Female
Connector

Male
Connector

Power Lead
Standard Length: 6ft (1.8m)

Light Connection
Standard Length:
1ft (0.3m)

Light Connection
Standard Length:
1ft (0.3m)

Up to 130ft (40m)

Hardwire Extendable

Female
Connector

Male
Connector

Female
Connector

Male
Connector

End
Cap

Power Lead
Standard Length: 6ft (1.8m)

Light Connection
Standard Length:
1ft (0.3m)

Light Connection
Standard Length:
1ft (0.3m)

Solid State Lighting is sensitive to power fluctuations. Surge protection is highly recommended for all LED lighting products and should be on a dedicated circuit to protect against premature failure. Lack of surge protection may void your warranty.

Designed & Assembled in North America.

Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information,
please downlad the
BL LIGHTING catalog

bllighting.com