

Xenflex™ LED

LED LINEAR LIGHTING SYSTEM



Xenflex LED is a UL listed, 24 volt, low profile linear lighting system.

Use Xenflex LED for Cove, Display, Undercounter and Cabinet lighting applications.

Features and Benefits

The advantages of energy savings, low voltage operation, and low heat generation, makes Starfire Lighting's Xenflex Flexible Lighting System, outfitted with Xenflex LED lamps, an excellent option to meet today's Green building requirements.

- Xenflex LED contours, curves, and angles on any vertical plane.
- Xenflex LED is dimmable with the use of a compatible low voltage magnetic dimmer.
- Xenflex LED is offered with diffusion lenses for precision lighting control.
- A complete line of 24 volt magnetic transformers is available.

Components

XF-EF End Feed Assembly*

The XF-EF End Feed Assembly consists of the End Feed Box, Cover and an 8" XF-CP Mounting Strip. XF End Feed is located at one or both ends of a run and includes termination hardware for wire connection. The End Feed Box K.O. accepts 1/2" NPT fitting (by others). XF End Feed is required by UL.

XF-CP Mounting Strip*

The XF-CP Mounting Strip is made of white Polycarbonate; 8' lengths standard. Xenflex LED snaps into XF-CP Mounting Strip. Mounting Strip is required by UL.

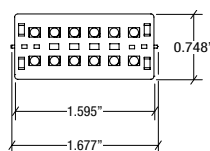
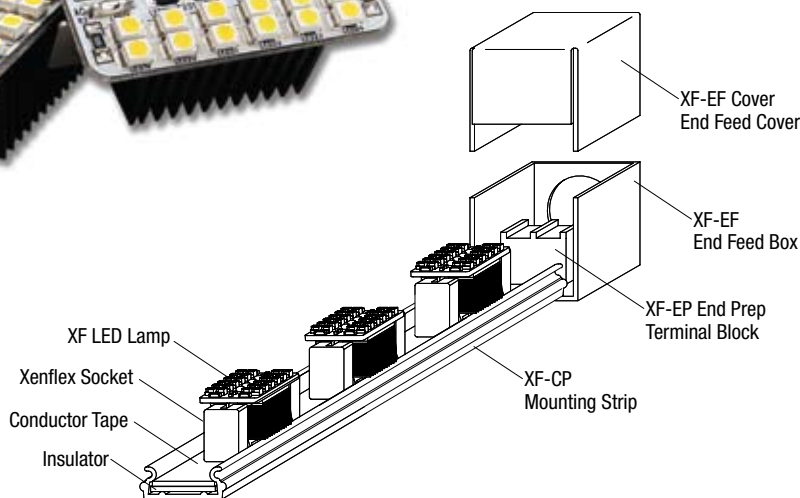
XF-EP End Prep (Terminal Block)

The XF-EP End Prep accepts #10 AWG wire (maximum). Double End Prep/End Feed may be required for certain installation conditions.

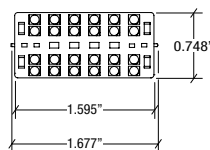
XF-FH Inline Fuse*

The XF-FH Fuse Holder with 25 ampere fuse standard, provides added safety protection. Used where other over-current protection devices are not present or impractical. Fuse Holder and Fuse are required by UL.

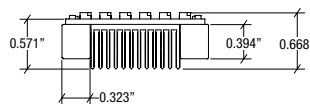
* Failure to use XF-EF, XF-CP and XF-FH voids warranty and UL listing.



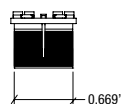
Top View
0.8 Watt (Nom)



Top View
1.6 Watt (Nom)



Side View (Typical)



End View

Order Lamps Separately

Refer to Xenflex LED Lamp Ordering Guide

Lamp Specifications

- 24 Volt AC operation
- Xenflex LED lamps will directly retrofit existing magnetic 24V Xenflex installations
- Mercury and Lead free, no UV or IR radiation
- **LED Type:** Ultra Bright 3528 SMD
- **Lamp Color/Temperature:**
WW: Warm White- 2700K (Nom)
- **Beam Angle:** 120°
- **Lamp Life:** 50,000 Hours +
- Operates with AC low voltage magnetic transformers
- Can be dimmed with suitable magnetic low voltage dimmers

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Ordering Guide

XF	-	Lamp Spacing	-	XX	-	Fix Length
Xenflex		2" 4" 6"		(No Lamp)		Specify overall length in inches

When specifying Xenflex LED consider the following:

- For scallop-free illumination, lamp spacing must be less than the distance to the visible surface.
- Illumination requirements; refer to Data Table.
- Identify lengths required. If any individual length exceeds the Max. length limits in the Data Table, divide into multiple Xenflex LED sections.
- One End Feed is required for each individual Xenflex LED section.
- Determine total wattage in each Xenflex LED section; refer to Watts/Ft. Column in Data Table.
- Determine transformer locations.
- Select a transformer with sufficient capacity from Transformer Table.
- A single transformer may power several Xenflex LED strips.
- Use Wire Gauge Table for determining proper feed wire gauge.

Data Table

Lamp Spacing	Max Run Length w/ 330 Lamps	Watts Per Foot	Lumens Per Foot
2"	55'	10.8	648
4"	110'	5.4	324
6"	165'	3.6	216

Transformer Table

Cat No.	VA Rating	Primary Voltage	Secondary Voltage	Dimensions (LxWxH)	# of Beakers	Amperage Rating	Weight	Max # Lps Per Transformer
XTR-75-24V	75	120/277	24	8.75" x 4.38" x 4.25"	0	-	6 Lbs	41
XTR-150-24V	150	120/277	24	8.75" x 4.38" x 4.25"	1	7	7 Lbs	82
XTR-300-24V	300	120/277	24	8.75" x 4.38" x 4.25"	1	12.5	9 Lbs	165
XTR-600-24V	600	120/277	24	9.50" x 5.38" x 5.25"	1	25	15 Lbs	330
XTR-900-24V	900	120/277	24	10.50" x 6.25" x 5.88"	2	20	22 Lbs	245 / 245
XTR-1200-24V	1200	120/277	24	11.75" x 7.00" x 5.88"	2	25	31 Lbs	330 / 330

Wire Gauge / Length Table

Voltage	Wattage	#10 AWG	#12 AWG	#14 AWG	#18 AWG
24	100	80'	50'	35'	15'
24	200	60'	35'	20'	5'
24	300	40'	25'	15'	5'
24	400	30'	15'	10'	-
24	500	20'	15'	5'	-
24	600	20'	10'	5'	-