FLEXFIRELEDs

Outdoor IP65
UltraBright™ **Sienna**
Dim-to-Warm

Product Data Sheet


A Warm Tone for
Any Application

2000K
20%

2400K
30%

2700K
50%

3000K
100%

Description

Our Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip creates more than beautiful light - it sets the tone to create memories that last a lifetime. LED technology allows this dynamic strip to produce a candle-like glow similar to traditional incandescent lighting, but with innovative versatility and peak performance. Choosing the right color temperature to create the perfect ambience has never been easier. The Sienna™ Series is easily dimmable and controllable with TRIAC dimming (MLV, and ELV), PWM dimming, and 0/1-10V dimming. As the lights dim, they automatically warm from 3000K to 1800K. The Sienna™ strip offers the nostalgic comfort of incandescent lighting while utilizing modern technology that can be used in almost any space.

RoHS COMPLIANT

CE

15 Year Warranty

c UL us LISTED
(LOW VOLTAGE LUMINAIRE)
E362522
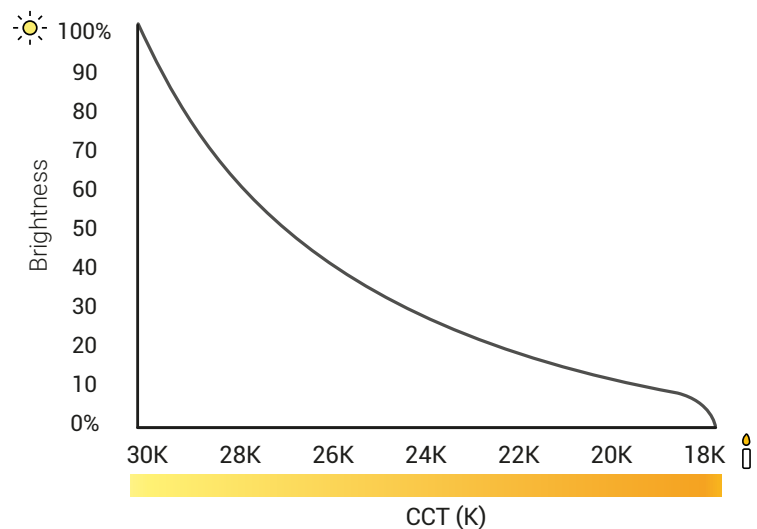
Product Features

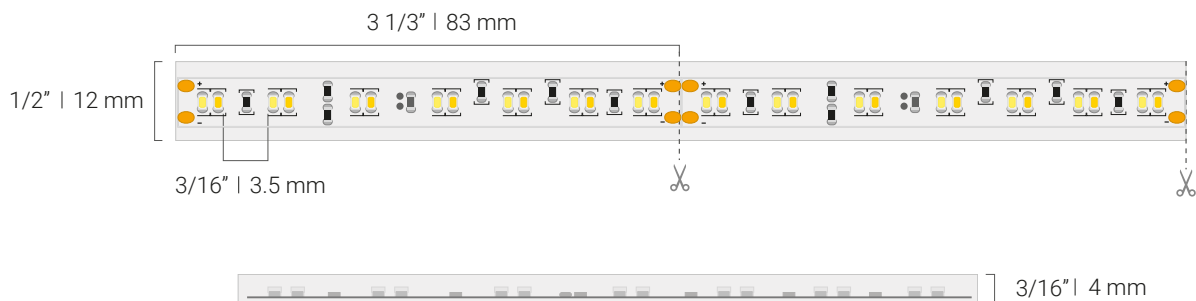| CRI	High CRI of 95+
CCT	1800K-3000K
Voltage	24V DC Input
Lumens	Up to 311 lm/ft (1020 lm/m)
LEDs/ft	51 LEDs/ft (168/meter)
Beam Angle	120° Beam Angle
Ambient Temp	-4°F to 113°F (-20°C to 45°C)
LED pitch	3/16" (3.5 mm)
Cutting Points	3.28" (83 mm)
Max Run Length in Series	16 ft (5 m)
LED Size	2835
Adhesive Type	9495 3M tape
Dimmable	Yes
Compatible Dimming Methods	PWM, TRIAC, or 0/1-10V dimmers
Spool Size	16.4 ft (5 m)

Product Specifications

Product SKU	Color* CCT	Watts/ft (Meter)	Lumen/ft (Meter)	CRI	Gamut Score (Rg)	Relative Fidelity Score (Rf)	TLCI (Qa)	CQS
IP65-UB-SNA-DW183090C	1800K	0.4 W/ft (1.3 W/m)	20 lm/ft (67 lm/m)	95	73	77	52	54
	3000K	3.4 W/ft (11 W/m)	311 lm/ft (1020 lm/m)	94	100	92	94	93

*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.
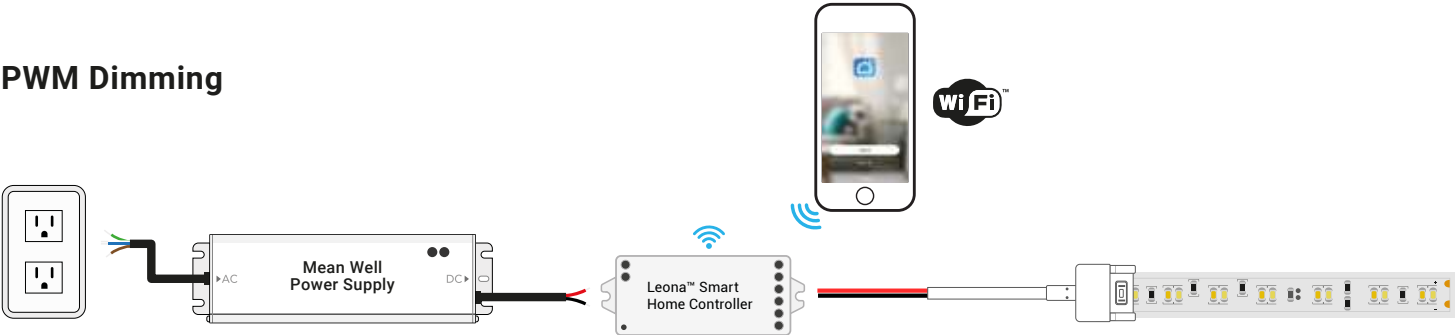
Ordering Code

IP Protection	Brand	Series	CCT	Voltage	Length

IP65 -
Wet & Damp Locations

UB -
UltraBright

SNA -
Sienna Series

DW183090C -
1800K-3000K/90+CRI

24V -

16FT - 16 ft Reel

Dimensions

3 1/3" | 83 mm

1/2" | 12 mm

3/16" | 3.5 mm

3/16" | 4 mm
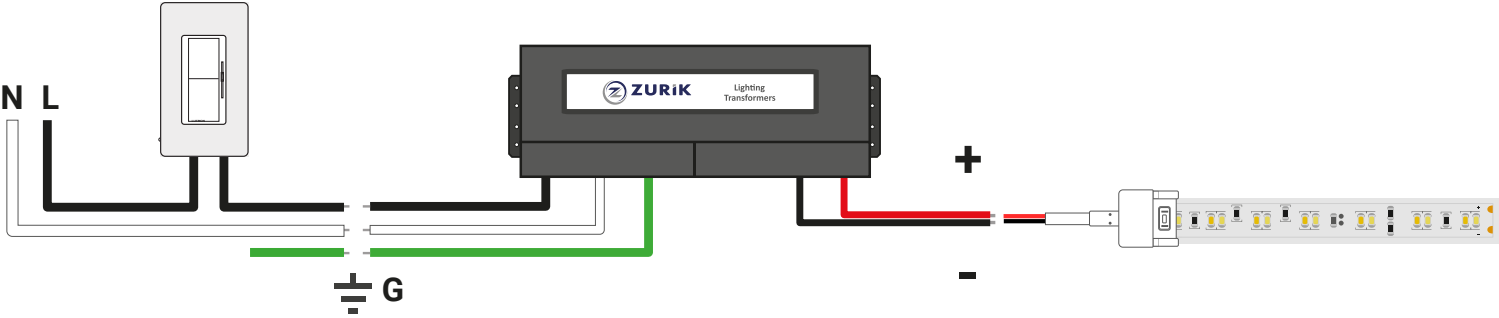
Dimming Options

PWM Dimming

ELV/MLV Dimming

*The receiver and controller may differ from the ones shown.

Included Accessories

• Weatherproof C1 Connector (Female)
• Weatherproof C1 Connector (Male)

x1
x1

• Mounting Bracket
Width - 6 mm
Length - 28 mm

x10

• End Cap
Width - 14 mm
Height - 6 mm

x2

• End Cap
(with 3 holes for lead wires)
Width - 14 mm
Height - 6 mm

x2
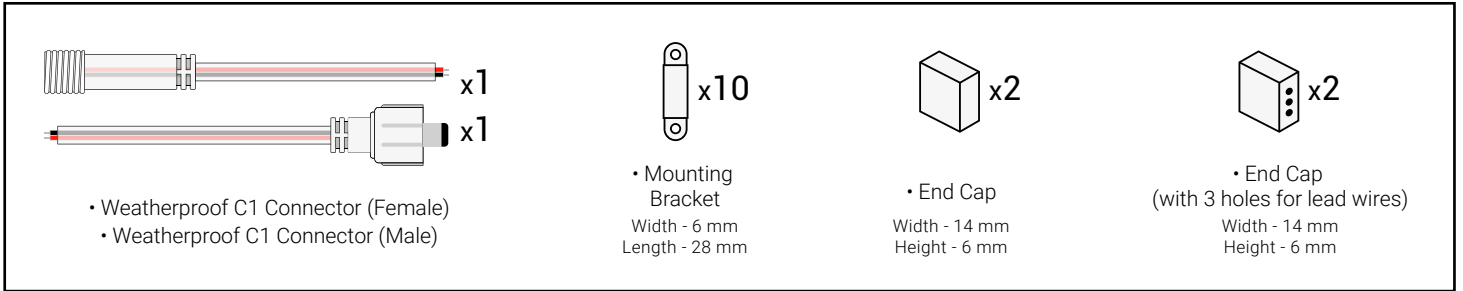
Strip Light Connectors

| SKU	Description	Wire Gauge	Amperage** Limit	Diagram
IP65-GRIP-SC-C3-10-0	Outdoor IP65 Grip Jumper Connector			
IP65-GRIP-SC-C1-10-40	Outdoor IP65 Grip Connector with 40" wire	20 AWG	5 Amps	
IP65-GRIP-SC-C2-10-08	Outdoor IP65 Grip Jumper Connector with 8" wire	20 AWG		

* Calculate max length of LED strip to follow the solderless connector based on an amperage draw of 0.14 A/ft (0.45 A/m) at 24 volts.

** Be sure no more than 5 amps is drawn after any solderless connector.

Installation
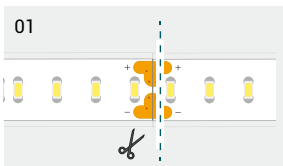
01 Cut the strip and the silicone sleeve on the cutting point. For this LED strip you will need to cut both solder pads so that the strip has more surface area to insert into the connector.
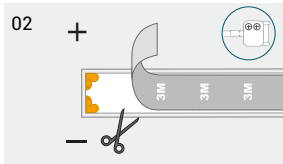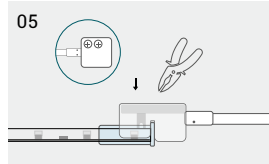
02 Check the polarity and remove 2" of the adhesive tape and its backer from the back of the LED Strip light.

03 Apply Silicone sealant liberally inside of the silicone sleeve until ensuring it is completely sealed.
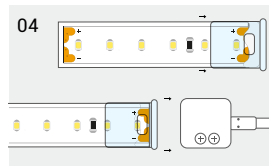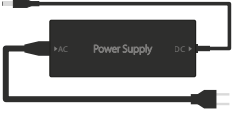
04 Slide the transparent case of your Outdoor IP65 Grip connector into the sleeve, until making sure that the strip is making proper contact.

05 Grab the white plastic part of your connector and push the metal contacts through the transparent case. Adjust it with pliers and let the sealant cure according to its instructions.

Compatible Drivers

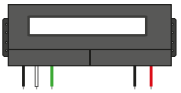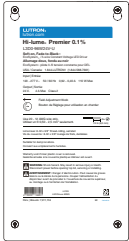| Power Supply	LED Strip Length	Dimensions	Product SKU	Diagram
Plug-In Power Supply	1-5 ft	L:6 3/4" W: 2 2/5" H: 1 1/2"	24V-WMPS-1	
	6-14 ft	L:6 3/4" W: 2 2/5" H: 1 1/2"	24V-DPS-2.5	
	15-22 ft	L:8 5/8" W: 2 5/8" H: 1 1/2"	24V-DPS-4	
	23-28 ft	L:8 5/8" W: 2 5/8"" H: 1 1/2"	24V-DPS-5	
Mean Well™ HLG	2-10 ft	L: 6 3/4" W: 2 1/2" H: 1 1/2"	HLG-40H-24A	
	11-15 ft	L: 6 3/4" W: 2 1/2" H: 1 1/2"	HLG-60H-24A	
	16-26 ft	L: 8 5/8" W: 2 11/16" H: 1 1/2"	HLG-100H-24A	
	27-31 ft	L: 8 5/8" W: 2 11/16" H: 1 1/2"	HLG-120H-24A	
	32-48 ft	L: 9" W: 2 11/16" H: 1 1/2"	HLG-185H-24A	
	49-63 ft	L: 9 5/8" W: 2 11/16" H: 1 1/2"	HLG-240H-24A	
	64-84 ft	L: 9 7/8" W: 3 1/2" H: 1 3/4"	HLG-320H-24A	
	85-158 ft	L: 11" W: 5 5/8" H: 1 7/8"	HLG-600H-24A	
Mean Well™ LPV	1-5 ft	L: 4 5/8" W: 1 3/8" H: 1"	LPV-20-24	
	6-9 ft	L: 5 7/8" W: 1 9/16" H: 1 1/8"	LPV-35-24	
	10-15 ft	L: 5 7/8" W: 1 9/16" H: 1 1/8"	LPV-60-24	
Zurik® EMLV	1-7 ft	L: 6 1/8" W: 2 1/8" H: 13/16"	ZRK-EMLV2-30W-24VDC	
	8-15 ft	L: 7" W: 2 7/16" H: 1"	ZRK-EMLV2-60W-24VDC	
	16-25 ft	L: 9 1/16" W: 2 3/4" H: 1 11/16"	ZRK-EMLV2-96W-24VDC-J	
	26-31 ft	L: 9 1/16" W: 2 3/4" H: 1 11/16"	ZRK-EMLV2-120W-24VDC-J	
	32-52 ft	L: 10 1/8" W: 3 1/8" H: 1 7/8"	ZRK-EMLV2-200W-24VDC-J	
	53-79 ft	L: 10 15/16" W: 4 1/4" H: 1 3/4"	ZRK-EMLV2-300W-24VDC-J	
Zurik® Universal	1-15 ft	L: 7 1/2" W: 3 3/4" H: 1 5/8"	ZRK-UNV-60W-24VDC	
	16-24 ft	L: 8 3/4" W: 3 3/4" H: 1 5/8"	ZRK-UNV-96W-24VDC	
	25-29 ft	L: 8 3/4" W: 3 3/4" H: 1 5/8"	ZRK-UNV-120W-24VDC	
	30-51 ft	L: 10 1/4" W: 4 1/4" H: 1 7/8"	ZRK-UNV-200W-24VDC	
	52-81 ft	L: 7 11" W: 4 3/8" H: 1 7/8"	ZRK-UNV-300W-24VDC	

Lutron® Hi-Lume™ Premier 0.1% Constant Voltage Driver

- **Dimming Range:**
  0.1-100%

- **Description:**
  Hi-Lume Premier 0.1% EcoSystem 24V constant voltage LED driver with Soft-on, Fade-to-Black dimming technology

	1 - 28 ft	L: 10 1/2" W: 5 1/2" H: 2"	L3D0-96W24V-U	

⦿LUTRON.

Compatible Aluminum Extrusions

Flexfire LEDs Mounting Channel Kits

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Laika™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8")	SKU: LAI-CH-A-CVR-C-1M SKU: LAI-CH-A-CVR-F-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Gemini™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8") Matte Cover 1, m (3' 3/8")	SKU: GEM-CH-A-CVR-C-1M SKU: GEM-CH-A-CVR-F-1M SKU: GEM-CH-A-CVR-M-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Cassini™	Recessed	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8") Matte Cover, 1 m (3' 3/8")	SKU: CAS-CH-A-CVR-C-1M SKU: CAS-CH-A-CVR-F-1M SKU: CAS-CH-A-CVR-M-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Nova™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Round Cover, 1 m (3' 3/8") Clear Square, 1 m (3' 3/8") Matte Round Cover, 1 m (3' 3/8") Matte Square Cover, 1 m (3' 3/8")	SKU: NOV-CH-A-CVR-C-RD-1M SKU: NOV-CH-A-CVR-C-SQ-1M SKU: NOV-CH-A-CVR-M-RD-1M SKU: NOV-CH-A-CVR-M-SQ-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Kepler™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8") Matte Cover, 1 m (3' 3/8")	SKU: KEP-CH-A-CVR-C-1M SKU: KEP-CH-A-CVR-F-1M SKU: KEP-CH-A-CVR-M-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Atlas™	Angled Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8") Matte Cover, 1 m (3' 3/8")	ATL-CH-A-CVR-C-1M ATL-CH-A-CVR-F-1M ATL-CH-A-CVR-M-1M	

Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors

Name	Type	Included Accessories	Covers	Kit SKU	Mockup
Titan™	Surface Mount	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Clear Cover, 1 m (3' 3/8") Frosted Cover, 1 m (3' 3/8") Matte Cover, 1 m (3' 3/8")	TTN-CH-A-CVR-C-1M TTN-CH-A-CVR-F-1M TTN-CH-A-CVR-M-1M	
Calypso™	Recessed	2 Open End Caps 2 Closed End Caps 4 Metal Mounting Clips	Frosted Cover, 1 m (3' 3/8") Matte Cover, 1 m (3' 3/8")	CAL-CH-A-CVR-F-1M CAL-CH-A-CVR-M-1M	
Ion™	Surface Mount	_	_	SKU: ION-CH-A-1M	

Compatible Aluminum Extrusions

Name	Covers	End Caps	Mounting Accessories	Mockup
KLUS TAMI **Anodized Extrusion** SKU: KL-B5390ANODA-1m		• KLUS ECO TAMI SKU: KL-20051	• KLUS Stainless Steel Mounting Bracket SKU: KL-24190	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors				
KLUS GIZA **Anodized Extrusion** SKU: KL-B5556ANODA-1m	• KLUS - HS 22 Clear Cover SKU: KL-17022-1m • KLUS LIGER 22 Frosted Cover SKU: KL-17032-1m	• KLUS GIZA End Cap SKU: KL-24007	• KLUS GP Surface Spring SKU:KL-00293 • KLUS Mounting Bracket SKU: KL-24143	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors				
KLUS LIPOD **Anodized Extrusion** SKU: KL-B5554ANODA-1m	• KLUS LIGER 22 Frosted Cover SKU: KL-17032-1m	• KLUS LIPOD-MET SKU: KL-24051	• KLUS Mounting Bracket SKU: KL-24143	
KLUS KOPRO **Anodized Extrusion** SKU: KL-B6367ANODA-1m	• KLUS KOPRO L Cover SKU: KL-17092-1m	• KLUS KOPRO L SKU: KL-24116	• KLUS GP Surface Spring SKU: KL-00293	
KLUS SILER **Anodized Extrusion** SKU: KL-B9325ANODA-1m	• • KLUS SILER Frosted Cover SKU: KL-17039-1m	• KLUS SILER SKU: KL-24236	• KLUS 45-STN Mounting Bracket SKU: KL-24144	
Note: This extrusion only fits the Outdoor (IP65) UltraBright™ Sienna Dim-to-Warm strip without Outdoor IP65 connectors				

Safety And Disclosures

1. Installation must be in accordance with local and national electrical code regulations.

2. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.

3. Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.

4. Do not install in environment where excessive heat may exist.

5. LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

6. Do not install indoor LED tape light products in outdoor / wet location environments. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.

7. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

8. Make sure the appropriate gauge wire is installed between driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.

9. Do not modify product beyond instructions or warranty will be void.

10. We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

Warranty Information

Limited Warranty
This product has a 15 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at https://www.flexfireleds.com/warranties/ within the Policies section. For warranty related questions please contact product support team at (support@flexfireleds.com).

Consumer's Acknowledgment
Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser.

This limited warranty does not include product failures that are the result of:
Not using a voltage regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.

Contact Information

Toll Free Number:
1-844-353-9347

Local Number:
(925) 273-9080

info@FlexfireLEDs.com