

PRODUCT DATA SHEET

ColorBright™ White Series



15 Year
Warranty



Description

The Outdoor ColorBright™ White LED strip lights come as a 16' 5" or 8' reel of linear LED lights. We mount LED chips on a flexible strip of printed circuit board (PCB) with a strong 3M adhesive backing. The IP65 silicone cover protection not only allows the lights to be protected from a range of outdoor elements and withstand jets of water, but also makes them extremely easy to clean. The high lumen output, excellent color rendering, and flexible design of LED strips means the lights can be installed in basically any space you can imagine.

Product Features

- High CRI of 80+
- Highest Brightness - Up to 266 Lumen/ft (871/Meter)
- Fully dimmable
- Highest quality components and premium packaged 3528 LEDs
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- 3M 9731 adhesive for a strong bond to the weatherproof silicone sleeve
- 120° Beam Angle
- Efficiency up to 92 lm/W
- Only 3/8" (10mm) strip width
- Short LED pitch of 5/16" (8mm)
- 12V or 24V DC Input Options
- 12V version can be cut every 1" (25.4mm)
- 24V version can be cut every 2" (50.8mm)
- 36 LEDs / Foot (120 / Meter)
- Thick double layer 2 oz copper PCB for excellent thermal management
- Operating Temperature -4°F to +104°F (-20°C to 40°C)
- Maximum Length in Series 32ft 10in (10 Meters)
- IP65 Rated with non-yellowing and UV resistant silicone sleeve

Product Specific Specifications

Product SKU	Color* (CCT)	Watts / foot (Meter)	Lumen / foot (Meter)	Luminous efficacy (Lumens / Watt)	CRI	Gamut Score Rg (Color Sat.)	Relative Fidelity Score (RF)
IP65-CB-24K	2400K	2.9 W/ft 9.6 W/m	234 lm/ft (769 lm/m)	81 lm/W	83	92	82.4
IP65-CB-27K	2700K	2.9 W/ft 9.6 W/m	264 lm/ft (864 lm/m)	91 lm/W	83	92.1	87.4
IP65-CB-30K	3000K	2.9 W/ft 9.6 W/m	263 lm/ft (870 lm/m)	91 lm/W	85	96.4	82.8
IP65-CB-42K	4200K	2.9 W/ft 9.6 W/m	266 lm/ft (871 lm/m)	92 lm/W	83	92.1	80.6
IP65-CB-62K	6200K	2.9 W/ft 9.6 W/m	263 lm/ft (862 lm/m)	91 lm/W	83	97.4	80.3

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

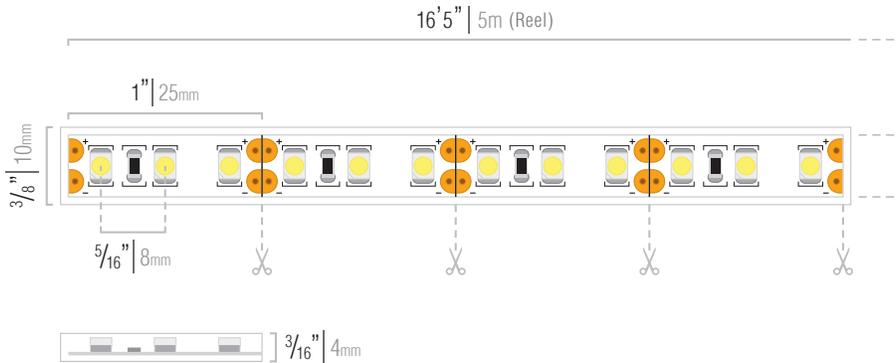
Ordering Code

INDOOR

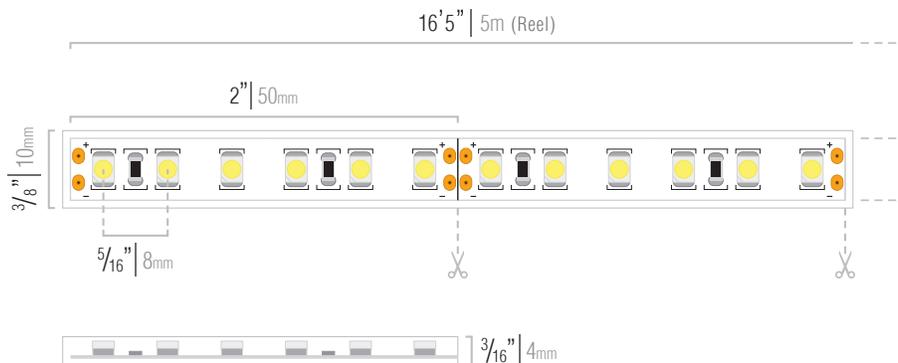
IP Protection	Brand	CCT	Voltage	Length
IP65 - Weatherproof IP68 - Waterproof	CB - ColorBright™	24K - 2400K 27K - 2700K 30K - 3000K 42K - 4200K 62K - 6200K	12V 24V	08 FT - 8 ft Reel 16 FT - 16 ft Reel

Dimensions

12V



24V



Example Installation and Layout

IN SERIES

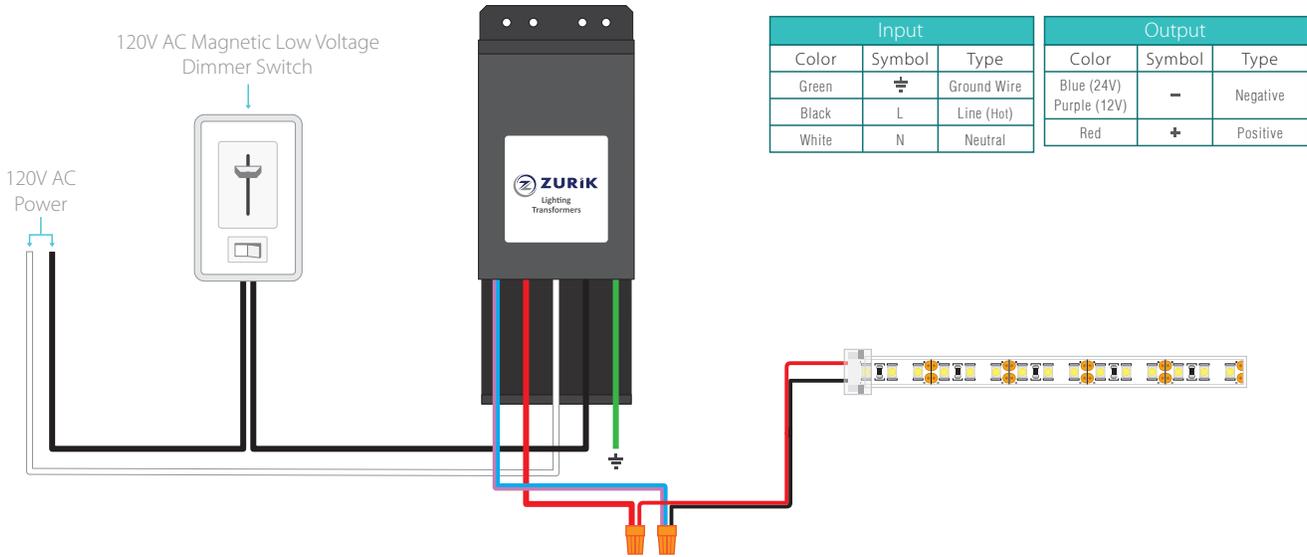


IN PARALLEL

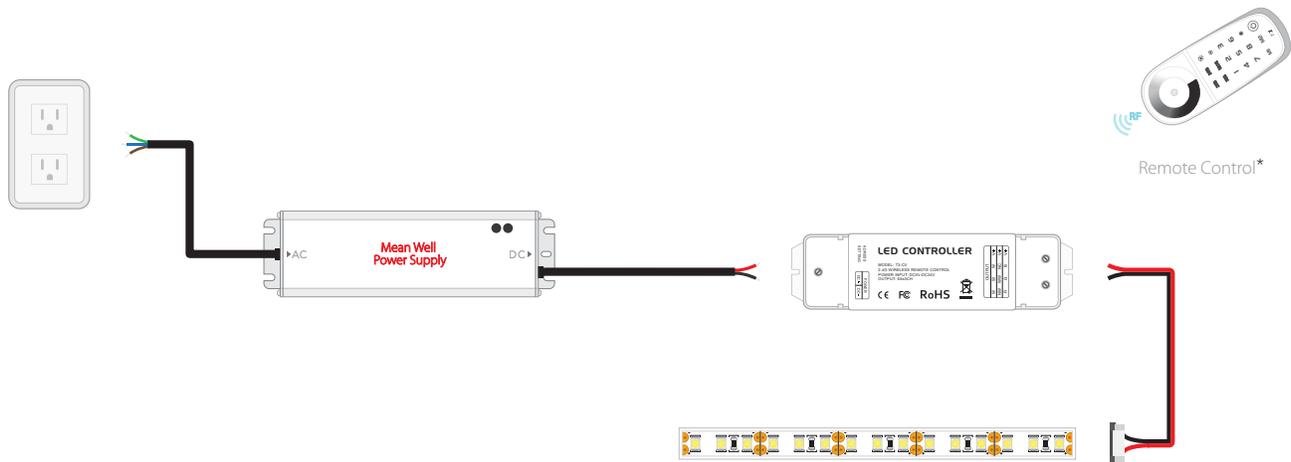


Dimming Options

Lutron Style Wall Dimmer

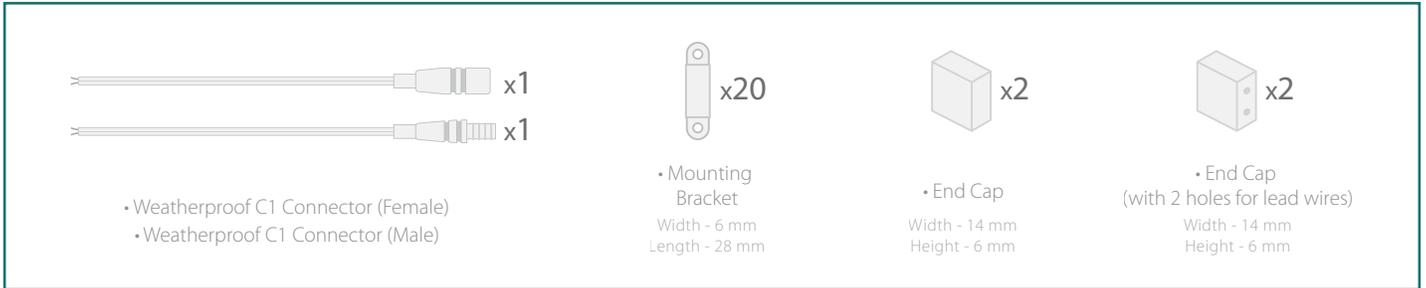


In-Line Dimming



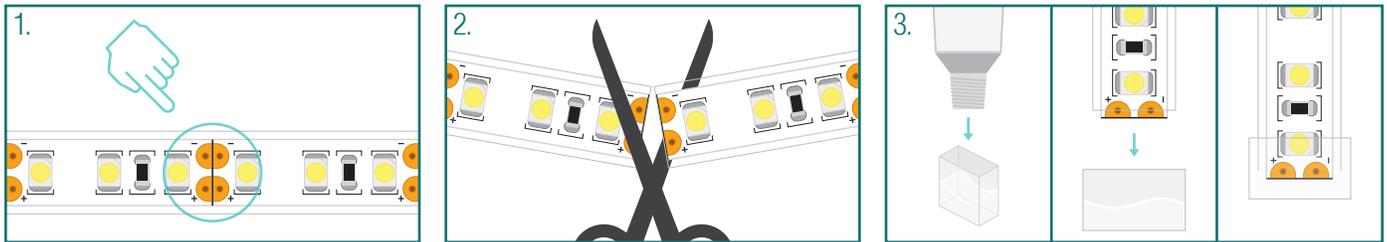
Remote Control (SKU: SC-MZ-CTRL) can be paired to 8 total receivers. Multiple remotes cannot be paired to a single receiver (max 1 remote per receiver).

Included Accessories



Resealing Outdoor Strips

Sealing Outdoor Strips with End Caps

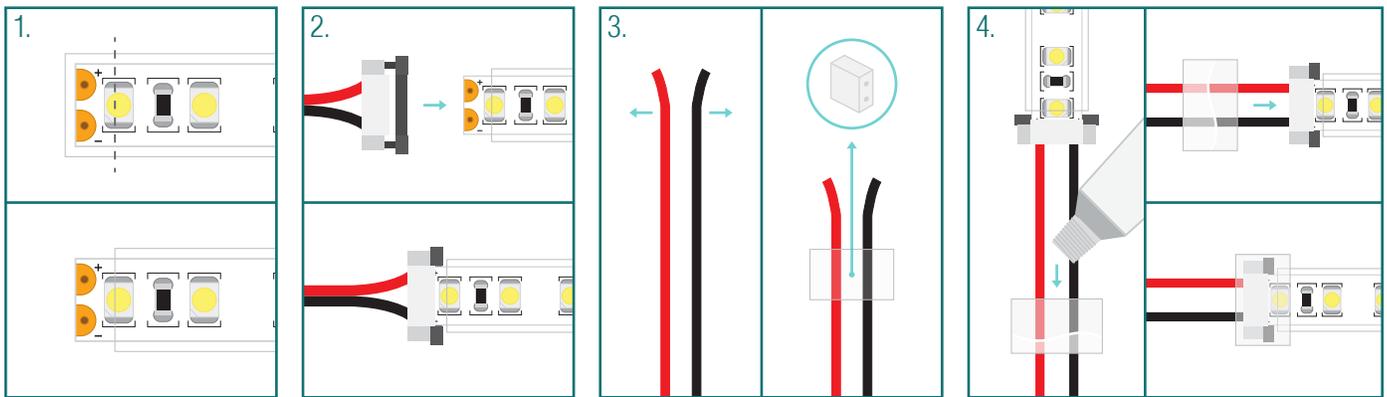


1. Find the cut line on the strip (between the solder pads).

2. Carefully cut the strip on the cut line.

3. Fill an end cap (without holes) with sealant and slide it over the end of the strip until it fits snugly.

Sealing Outdoor Strips with End Caps and a Solderless Connector



1. Cut away a small portion of the silicone sleeve to access the solder pads you will be connecting to.

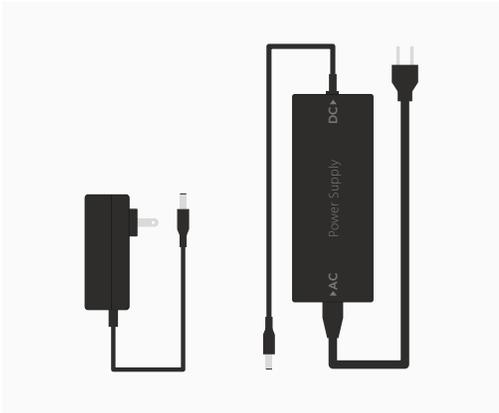
2. Carefully insert the strip into the connector and ensure it fits snugly.

3. Spread the wires on the connector and slide them through the holes in the end cap.

4. Fill the end cap (with holes) with sealant and slide carefully over the connector at the end of the strip.

Compatible Drivers (12V only)

Wall Mounted Power Supply / Desktop Power Supply



LED Strip Length

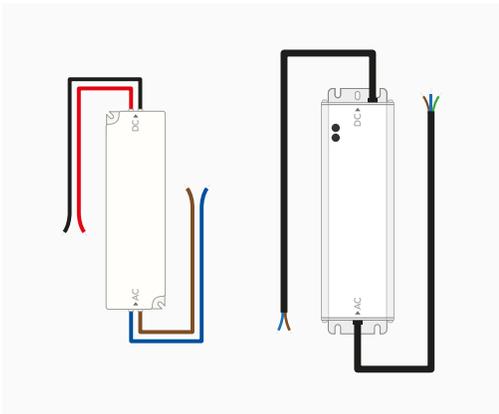
- 1 - 3 ft
- 4 - 6 ft
- 7 - 13 ft
- 14 - 20 ft
- 21 - 26 ft

SKU

- 12V-WMPS-1
- 12V-DPS-2
- 12V-DPS-4
- 12V-DPS-6
- 12V-DPS-8

Mean Well HLG

Mean Well LPV



LED Strip Length

- 1 - 11 ft
- 12 - 17 ft
- 18 - 35 ft
- 36 - 43 ft
- 44 - 53 ft
- 54 - 74 ft
- 75 - 140 ft

SKU

- HLG-40H-12A
- HLG-80H-12A
- HLG-120H-12A
- HLG-150H-12A
- HLG-240H-12A
- HLG-320H-12A
- HLG-600H-12A

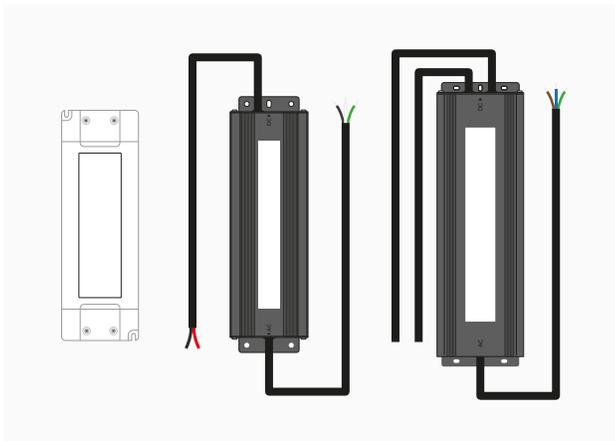
LED Strip Length

- 1 - 6 ft
- 7 - 10 ft
- 11 - 17 ft
- 18 - 28 ft

SKU

- LPV-20-12
- LPV-35-12
- LPV-60-12
- LPV-100-12

Zurik EMLV



LED Strip Length

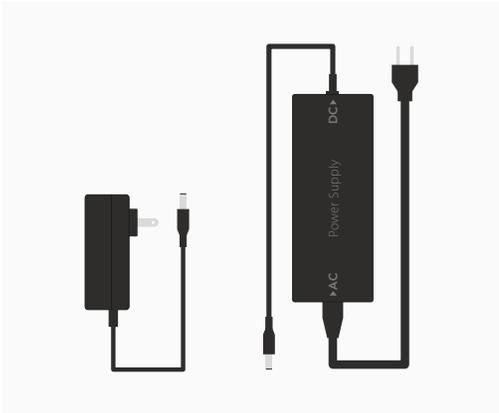
- 1 - 8 ft
- 9 - 17 ft
- 18 - 35 ft
- 36 - 58 ft
- 59 - 87 ft

SKU

- ZRK-EMLV2-30W-12VDC
- ZRK-EMLV2-60W-12VDC
- ZRK-EMLV2-120W-12VDC-J
- ZRK-EMLV2-200W-12VDC-J
- ZRK-EMLV2-300W-12VDC-J

Compatible Drivers (24V only)

Wall Mounted Power Supply / Desktop Power Supply



LED Strip Length

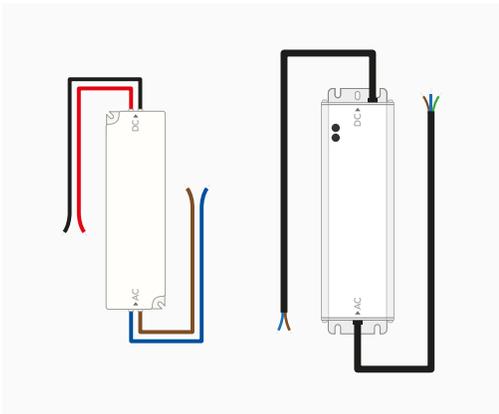
1 - 6 ft
7 - 16 ft
17 - 26 ft
27 - 33 ft

SKU

24V-WMPS-1
24V-DPS-2.5
24V-DPS-4
24V-DPS-5

Mean Well HLG

Mean Well LPV



LED Strip Length

1 - 12 ft
13 - 18 ft
19 - 29 ft
30 - 37 ft
38 - 57 ft
58 - 74 ft
75 - 99 ft
100 - 186 ft

SKU

HLG-40H-24A
HLG-60H-24A
HLG-100H-24A
HLG-120H-24A
HLG-185H-24A
HLG-240H-24A
HLG-320H-24A
HLG-600H-24A

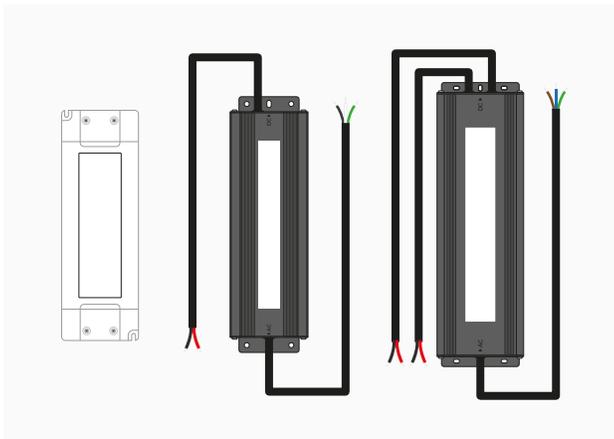
LED Strip Length

1 - 6 ft
7 - 10 ft
11 - 17 ft

SKU

LPV-20-24
LPV-35-24
LPV-60-24

Zurik EMLV



LED Strip Length

1 - 8 ft
9 - 17 ft
18 - 28 ft
29 - 35 ft
36 - 58 ft
59 - 88 ft

SKU

ZRK-EMLV2-30W-24VDC
ZRK-EMLV2-60W-24VDC
ZRK-EMLV2-96W-24VDC-J
ZRK-EMLV2-120W-24VDC-J
ZRK-EMLV2-200W-24VDC-J
ZRK-EMLV2-300W-24VDC-J

Compatible Aluminum Extrusions

▶ GIZA Anodized Extrusion

(SKU: KL-B5556ANODA-1m)



Covers

- HS 22 Clear Cover (SKU: KL-17022-1m)
- HS 22 Frosted Cover (SKU: KL-17011-1m)

End Caps

- GIZA End Cap without Wire Hole (SKU: KL-24007)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)

KLUS KOPRO Anodized Extrusion

(KL-B6367ANODA-1m)



Covers

- KOPRO-L Cover (SKU: KL-17092-1)

End Caps

- KOPRO-L End Cap (SKU: KL-24116)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)

KLUS LIPOD Anodized Extrusion

(SKU: KL-B5554ANODA-1m)



Covers

- HS 22 Clear Cover (SKU: KL-17022-1m)
- LIGER 22 Frosted Cover (SKU: KL-17032-1m)

End Caps

- LIPOD-MET End Cap (SKU: KL-24051)

Mounting Accessories

- GP Surface Spring (SKU: KL-00293)
 - minimum surface thickness 10mm (3/8")
- Mounting Bracket (SKU: KL-24143)

▶ KLUS TAMI Anodized Extrusion

(KL-B5390ANODA-1m)



Covers

- Comes with Translucent Cover

End Caps

- Eco TAMI End Cap (SKU: KL-20051)

Mounting Accessories

- Zinc Mounting Bracket (SKU: KL-24190)
- NOTE:** All solderless connectors do not fit inside this aluminum extrusion.

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.