

PRODUCT DATA SHEET

UltraBright™ Industrial Series



5 Year
Warranty



Description

Among the brightest LED strip light on the planet: From the backroom drawing boards to NASA's state-of-the-art testing facilities, our Industrial Series strips redefine the limits of LED strip lighting. Our practice of staying ahead of the curve and on the bleeding-edge of innovation has fostered the creation of an LED strip light that can finally match the demanding needs of our industrial clients. The Industrial Series emits over 1,000 lumens per foot with a remarkable color rendering index of over 80. The strips slim 10mm profile ensures compatibility and functionality in both small AND large industrial products. You simply have to see it to believe it.

Product Features

- High CRI of 80+ (CRI 90+ available through special order)
- Highest Brightness - Up to 1,009 Lumen/ft (3,228/Meter)
- Fully dimmable
- Highest quality components and premium packaged 2835 LEDs
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- Thermally Resistant 3M VHB 4930 adhesive for long lasting bond
- 120° Beam Angle
- Efficiency up to 153 lm/W
- Only 3/8" (10mm) strip width
- Short LED pitch of 5/16" (8mm)
- 12v or 24v DC Input Options
- Segment length of 1 5/16" (2 5/8" for 24v)
- Can be cut every 4 LEDs (8 LEDs for 24v)
- 36 LEDs / Foot (120 / Meter)
- Thick double layer 2 oz - 3 oz copper PCB for excellent thermal management
- Operating Temperature -30°C to 60°C
- Maximum Length in Series 9ft 10in (3 Meters)

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)
UB-IS-24K	2400K	6.6 W/ft 22 W/m	866 Lm/ft (2,841 lm/m)	131 lm/W	82	92	82.4
UB-IS-27K	2700K	6.6 W/ft 22 W/m	908 Lm/ft (2,978 lm/m)	138 lm/W	82	92.1	81.6
UB-IS-30K	3000K	6.6 W/ft 22 W/m	936 Lm/ft (3,070 lm/m)	142 lm/W	85	95.7	82.7
UB-IS-42K	4200K	6.6 W/ft 22 W/m	1,001 Lm/ft (3,283 lm/m)	152 lm/W	83	Coming Soon	Coming Soon
UB-IS-62K	6200K	6.6 W/ft 22 W/m	1,009 Lm/ft (3,310 lm/m)	153 lm/W	83	Coming Soon	Coming Soon

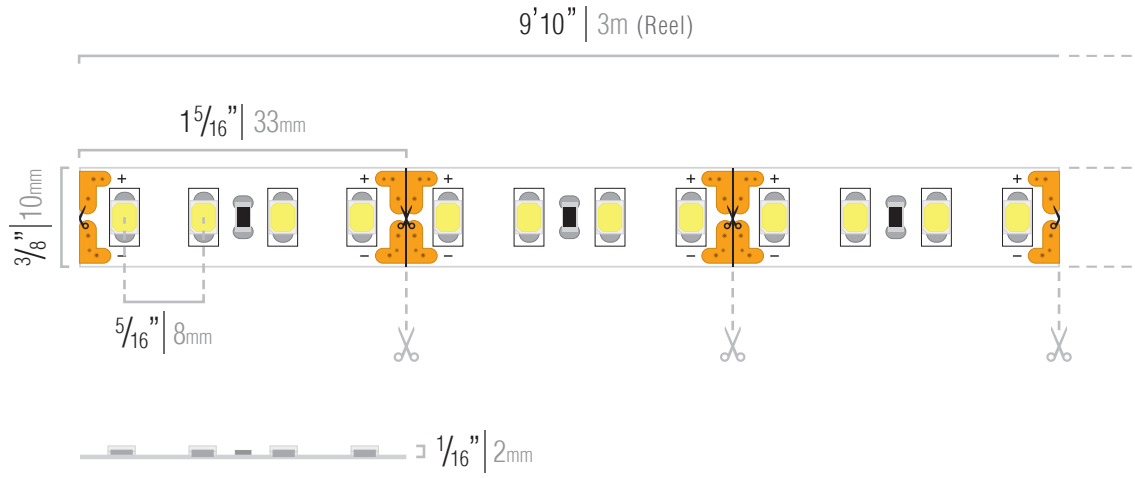
*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

Ordering Code

INDOOR

Brand	Series	CCT	Voltage	Length
UB - UltraBright	IS - Industrial	24K - 2400K 27K - 2700K 30K - 3000K 42K - 4200K 62K - 6200K	12V 24V	01 FT - Under 16 ft 10 FT - 16 ft Reel

Dimensions

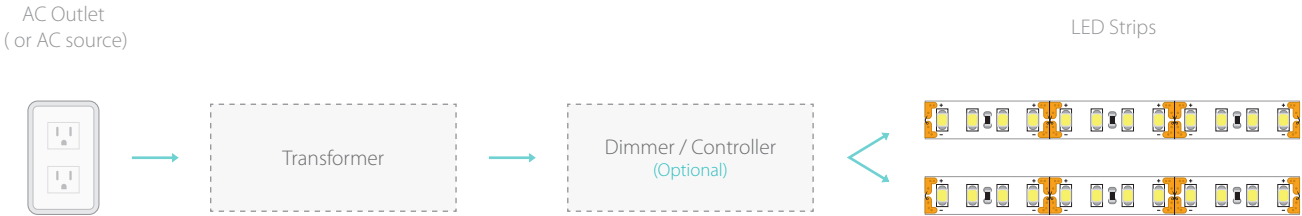


Example Installation and Layout

IN SERIES

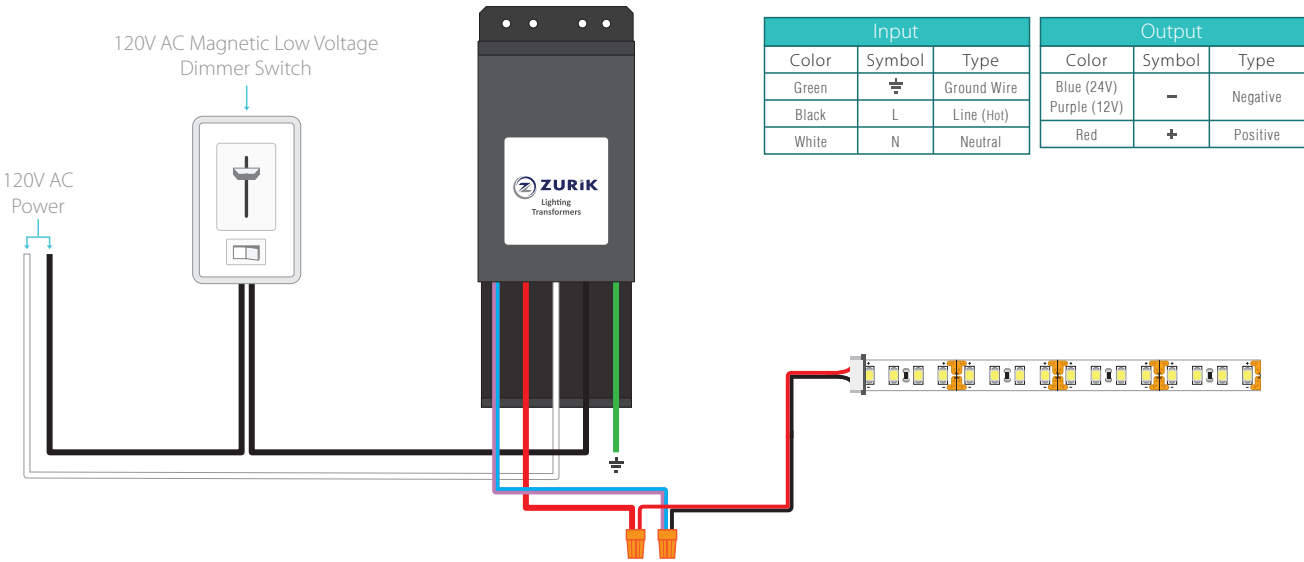


IN PARALLEL

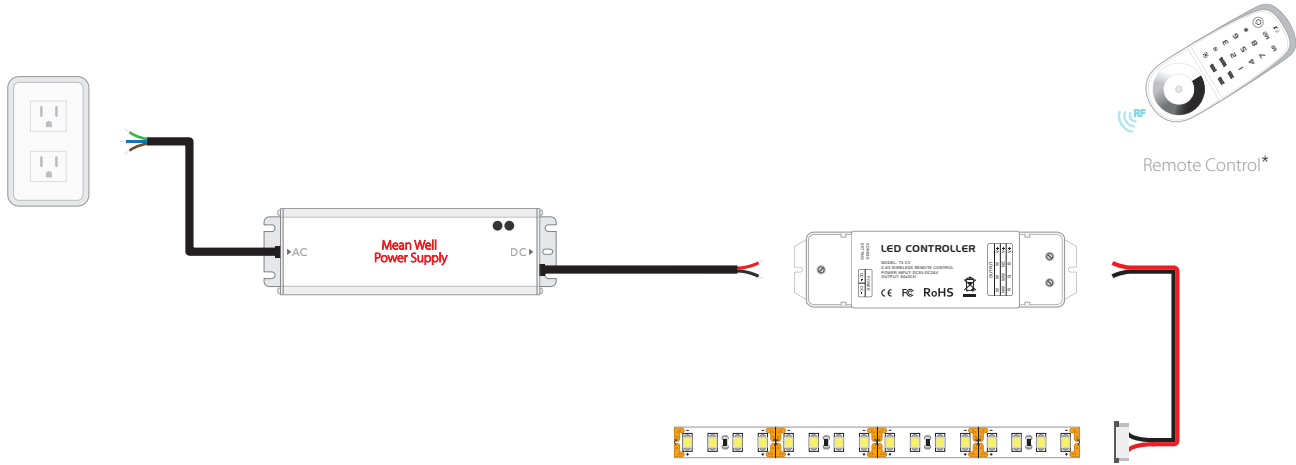


Dimming Options

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).

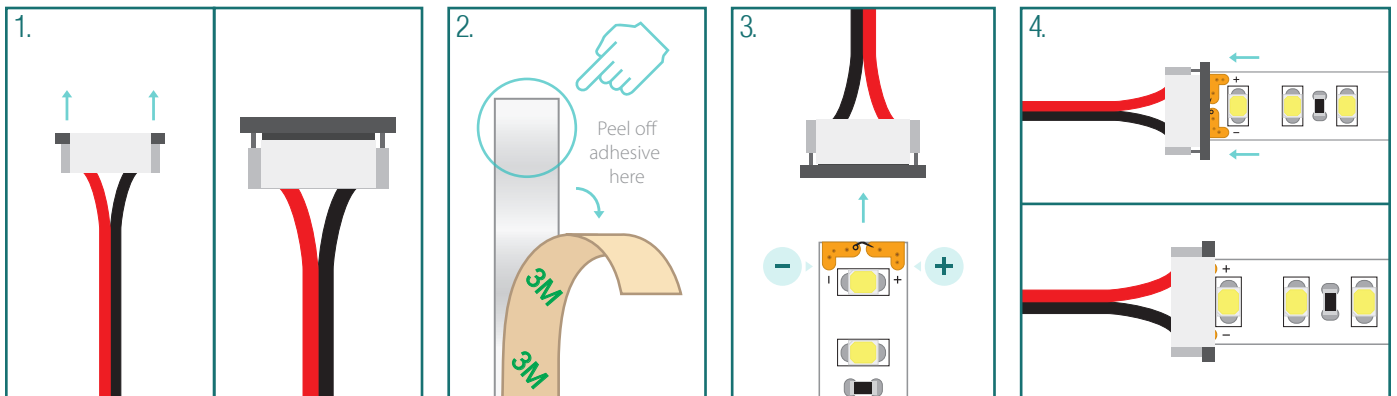
Strip Light Connectors

SKU	Description	Wire Gauge	Amp Limit**	Mockup
UB-C1*	Attaches LED strip directly to a Power Supply/Driver, low voltage control or DC source.	22 AWG	5 Amps	
UB-C2*	Attaches two sections of LED strip together. Wire lead allows for turns around tight corners.	22 AWG		
UB-C3*	Attaches two sections of LED strip together in a continuous run.	-		

* Calculate max length of LED strip to follow the solderless connector based on an amperage draw of 0.28 amps per foot (0.90 A/m) at 24 volts, or at 12 volts use 0.55 A/ft (1.80 A/m).

** The max continuous run of the Industrial Series LED strip is 9 feet 10 inches (3 meters). Be sure no more than 5 amps is drawn after any solderless connector.

Solderless Connection Guide

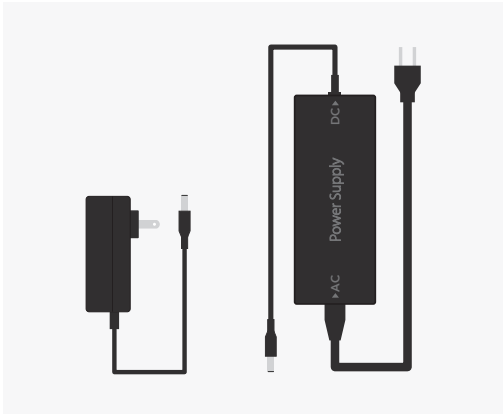


1. The solderless connectors have a plastic housing with a small black tray on the underside. Pull the black plastic tray out until the tray stops. The tray will only pull out approximately 2-3mm, don't try to pull it out farther. *See Diagram 1*
2. Remove 1/4" of 3M adhesive tape on the back from the end of the strip that you want to connect. It must be removed to allow it to fit properly with the solderless connector. *See Diagram 2*
3. Slide the connector into the end of the LED strip by holding the tray out as you slide it in. Make sure the tray does not move into a locked position until the connector is all the way in. *See Diagram 3*
4. Once the LED strip is inserted into the solderless connector, close the black tray underneath by pinching the wings on the side of the connector (inward, toward the connector's housing). *See Diagram 4*

NOTE: Soldering is the preferred method. If you need further assistance, please download our Solderless Connector Installation Guide from our website

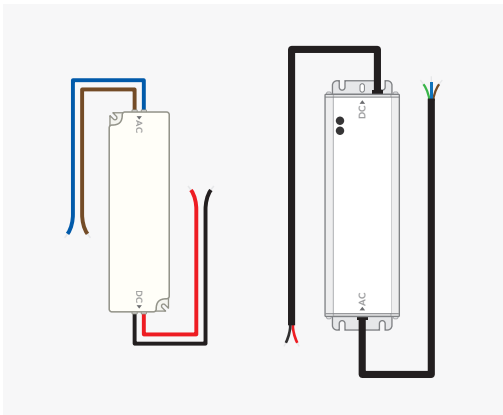
Compatible Drivers (12v only)

Wall Mounted Power Supply / Desktop Power Supply



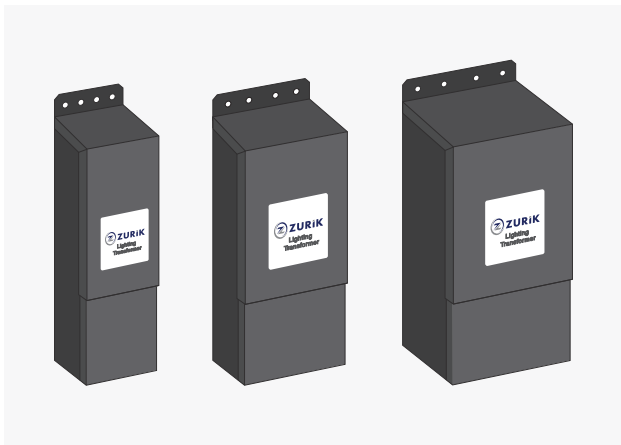
LED Strip Length	SKU
1 ft	12V-WMPS-1
2-3 ft	12V-DPS-2
3-6 ft	12V-DPS-4
6-9 ft	12V-DPS-6
8-12 ft	12V-DPS-8

Mean Well



LED Strip Length	SKU
1 - 2 ft	LPV-20-12
3 - 5 ft	HLG-40H-12A
5 - 8 ft	HLG-80H-12A
9 - 15 ft	HLG-120H-12A
12 - 19 ft	HLG-150H-12A
15 - 24 ft	HLG-240H-12A
20 - 35 ft	HLG-320H-12A
35 - 61 ft	HLG-600H-12A

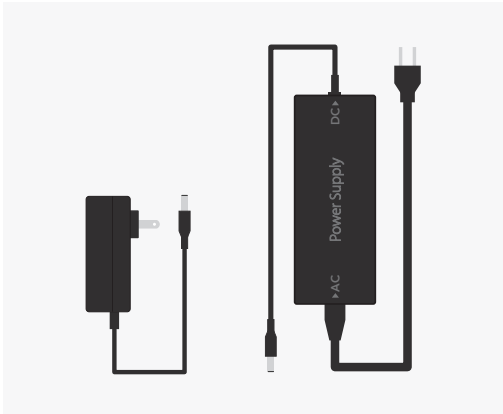
Zurik



LED Strip Length	SKU
2 ft	ZRK-20-12VDC
3-5 ft	ZRK-40-12VDC
5-8 ft	ZRK-60-12VDC
8-12 ft	ZRK-100-12VDC
11-19 ft	ZRK-150-12VDC
15-25 ft	ZRK-200-12VDC
19-31 ft	ZRK-250-12VDC
23-38 ft	ZRK-300-12VDC

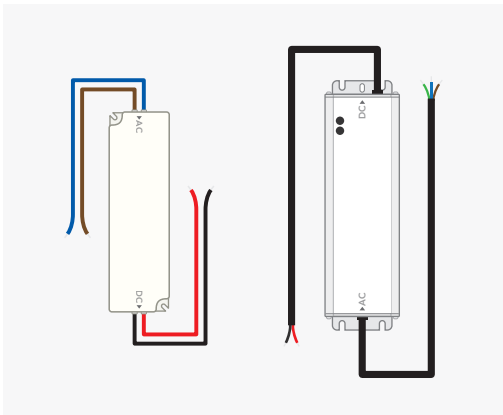
Compatible Drivers (24v only)

Wall Mounted Power Supply / Desktop Power Supply



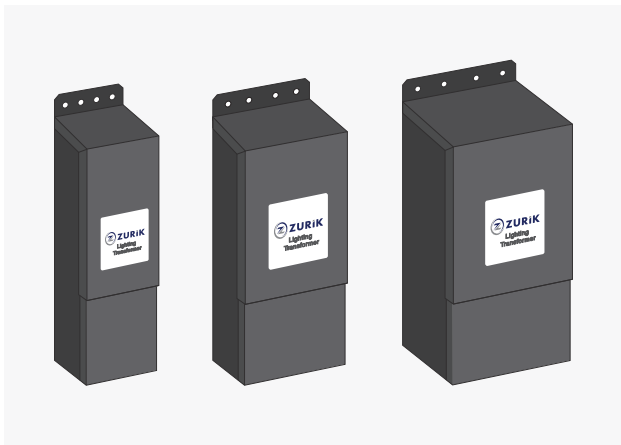
LED Strip Length	SKU
1 - 3 ft	24V-WMPS-1
4 - 7 ft	24V-DPS-2.5
8 - 12 ft	24V-DPS-4
9 - 15 ft	24V-DPS-5

Mean Well



LED Strip Length	SKU	LED Strip Length	SKU
1 - 2 ft	LPV-20-24	24 - 42 ft	HLG-320H-24A
3 - 5 ft	HLG-40H-24A	42 - 76 ft	HLG-600H-24A
5 - 8 ft	HLG-60H-24A		
6 - 10 ft	HLG-80H-24BL		
7 - 12 ft	HLG-100H-24A		
9 - 15 ft	HLG-120H-24A		
14 - 23 ft	HLG-185H-24A		
18 - 30 ft	HLG-240H-24A		

Zurik



LED Strip Length	SKU
2 ft	ZRK-20-24VDC
3 - 5 ft	ZRK-40-24VDC
4 - 6 ft	ZRK-50-24VDC
6 - 9 ft	ZRK-75-24VDC
8 - 12 ft	ZRK-100-24VDC
11 - 19 ft	ZRK-150-24VDC
15 - 25 ft	ZRK-200-24VDC
19 - 31 ft	ZRK-250-24VDC
23 - 38 ft	ZRK-300-24VDC

Compatible Aluminum Extrusions

▶ KLUS GIP Anodized Extrusion

(SKU: KL-B4574ANODA-1m)



Covers

- G-L Frosted Cover (SKU: KL-00413-1m)

End Caps

- GIP - L End Cap without Wire Hole (SKU: KL-00306)

Mounting Accessories

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

▶ 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)

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

This product has a 5-year limited warranty that starts from the date of shipment. Products must be installed as instructed for warranty to be valid. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/returns-and-exchanges/> within the Policies section. For warranty related questions please contact our support team (support@flexfireleds.com).