

OUTDOOR/WET LOCATION LAZER STRIP

24VDC, STATIC WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

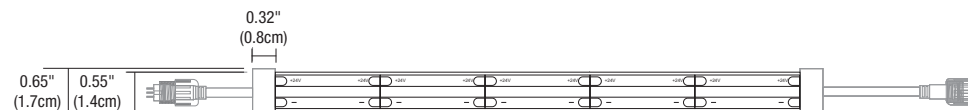
REV 04.24.25



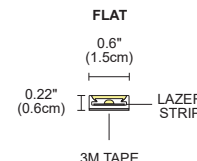
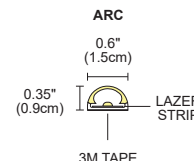
Lazer Strip Arc Diffused Lens



Lazer Strip Clear Black Tubing



*Shown with Two End Connectors



DESCRIPTION

PureEdge's Outdoor/Wet Location Lazer Strip is a high-performance, flexible LED lighting solution engineered for uniform illumination without pixelation. Developed to meet popular demand for resilient performance, premium UV-resistant silicone lenses and coating prevent fading over time, ensuring long-term reliability in rigorous environments. Featuring 148 LEDs per foot, the 24VDC COB (Chip on Board) technology delivers consistent light output across five static white color temperatures with a CRI of up to 94+. For secure and reliable connections, water-tight barrel connectors with 6" wire leads simplify installation while enhancing durability.

LUMEN PERFORMANCE AT 3000K 5W PER FOOT

| | |
|--------------|------------|
| LUMEN OUTPUT | 369 lm/ft |
| EFFICIENCY | 84 lm/watt |
| CRI | 92 |

SPECIFICATIONS

| | |
|-----------------------|--|
| DIMENSIONS | Width 0.6" Heights - Arc: 0.35", Flat: 0.19" |
| INPUT | 24VDC with 6" leads |
| POWER SUPPLIES | Remote 24VDC power supply required |
| POWER CONSUMPTION | 3.3 or 4.4 watts per foot |
| INCREMENTS | 1" |
| BEND | 90° |
| BEAM ANGLE | 120° |
| BEAM TOLERANCE | +/- 30CCT |
| MATERIAL | UV Resistant PVC, Optically Clear or Diffused Silicone |
| OPERATING TEMPERATURE | -4° F (-20° C) to 122° F (+50° C) |
| AVERAGE LED LIFE | 50,000 hrs |
| WARRANTY | 5 Year pro-rated |

MAXIMUM LENGTHS BEFORE RE-FEEDING

- Arc Diffused Lens: 20'
- Flat Diffused Lens: 11'

LAMP

Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K

REQUIRED COMPONENTS (SOLD SEPARATELY)

- Power Connectors
- Power Supplies

ACCESSORIES (SOLD SEPARATELY)

- Wet location junction box
- Wet location cable
- T Connectors
- Mounting Straps & Clips (Included 1 per foot with each order)
- Surface Channel for strip

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

OUTDOOR/WET LOCATION

- Pure Smart™ WiZ Pro [Power Supplies](#) & [Controls](#)
- [UNI Driver: Universal Dimming](#) (TRIAC, ELV, 0-10V)

INDOOR

- Pure Smart™ WiZ Pro [Power Supplies](#) & [Controls](#)
- [UNI Driver: Universal Dimming](#) (TRIAC, ELV, 0-10V)

APPLICATIONS

Coves, toe-kicks, pathways, shower accents, facade, and edge lighting

COMPLIANCE

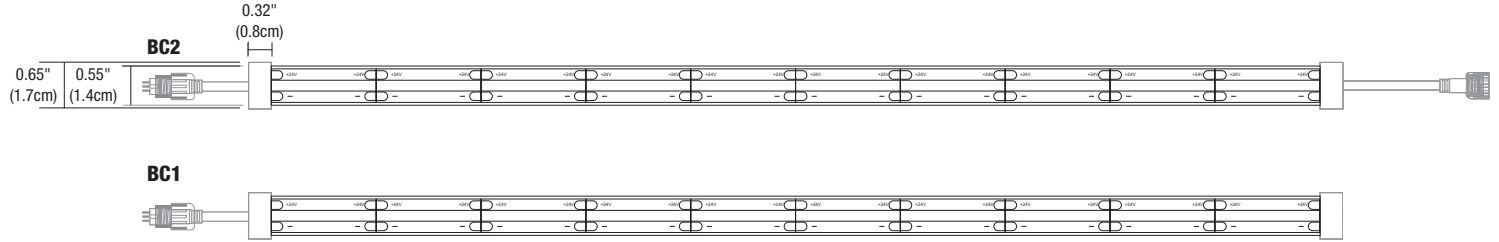
Class 2 Wiring, Outdoor Wet Location, IP67 Rated, ETL listed, RoHS, Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies.

| Wattage | Voltage | Length in Feet | Lens/Body | Color Temperature | Connector | Options |
|--|-------------|--|---|---|---|----------------|
| LS3 | 24V | 20 | CB | 27KZ | BC1 | W |
| LS3 Lazer Strip, 3.3 watts per foot LS5 Lazer Strip, 4.4 watts per foot | 24V 24 Volt | 1-30 1-30 feet (LS3) 1-20 1-20 feet (LS5) | ARC Arc Diffused Lens CD Clear Flat Lens, Black Tubing | 24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White 35KZ 3500K Neutral White 40KZ 4000K Cool White | BC1 One 6" wire lead & barrel connector at one end BC2 Two 6" wire leads & barrel connector at both ends | W Wet Location |

| | | | | | |
|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

OUTDOOR/WET LOCATION LAZER STRIP

24VDC, STATIC WHITE



NOMINAL DELIVERED LUMENS

| | LS3 CLEAR LENS | | | | | LS5 CLEAR LENS | | | | |
|-------------------------|----------------|------|------|------|------|----------------|------|------|------|------|
| WATTS PER FOOT | 3W (3.3 watts) | | | | | 5W (4.4 watts) | | | | |
| COLOR TEMPERATURE | 24KZ | 27KZ | 30KZ | 35KZ | 40KZ | 24KZ | 27KZ | 30KZ | 35KZ | 40KZ |
| LUMENS PER FOOT (lm/ft) | 240 | 258 | 271 | 274 | 280 | 264 | 338 | 369 | 423 | 459 |
| LUMENS PER WATT (lm/w) | 73 | 78 | 82 | 83 | 85 | 60 | 77 | 84 | 96 | 85 |
| CRI | 91.4 | 93.4 | 92.2 | 94 | 93.4 | 91.4 | 93.4 | 92.2 | 94 | 93.4 |

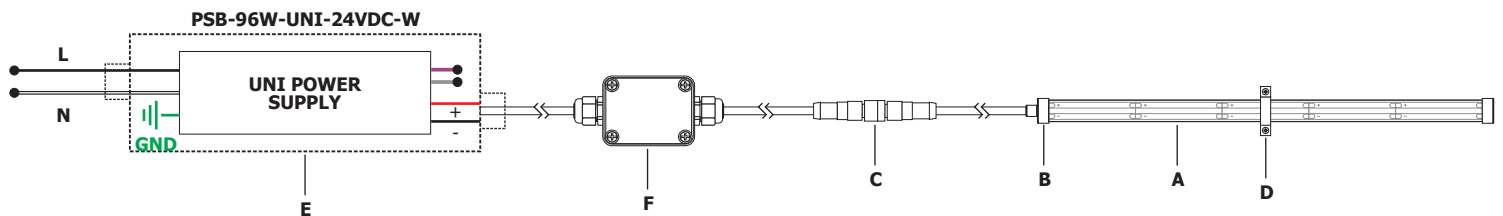
| | LS3 ARC DIFFUSED LENS | | | | | LS5 ARC DIFFUSED LENS | | | | |
|-------------------------|-----------------------|------|------|------|------|-----------------------|------|------|------|------|
| WATTS PER FOOT | 3W (3.3 watts) | | | | | 5W (4.4 watts) | | | | |
| COLOR TEMPERATURE | 24KZ | 27KZ | 30KZ | 35KZ | 40KZ | 24KZ | 27KZ | 30KZ | 35KZ | 40KZ |
| LUMENS PER FOOT (lm/ft) | 193 | 204 | 275 | 276 | 297 | 242 | 257 | 345 | 346 | 374 |
| LUMENS PER WATT (lm/w) | 58 | 62 | 83 | 84 | 90 | 55 | 58 | 78 | 79 | 85 |
| CRI | 90+ | 95+ | 95+ | 85+ | 85+ | 90+ | 95+ | 95+ | 85+ | 85+ |

POWER CONSUMPTION PER LINEAR FOOT

| ST2A 24VDC LED Strip (2.5 watts) | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| LENGTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| TOTAL WATTAGE | 3 | 5 | 8 | 10 | 13 | 15 | 17 | 20 | 22 | 25 | 27 | 29 | 32 | 34 | 37 | 39 | 41 | 44 | 46 | 48 |

| ST5A 24VDC LED Strip (4.4 watts) | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| LENGTH IN FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| TOTAL WATTAGE | 5 | 10 | 15 | 20 | 24 | 29 | 34 | 39 | 44 | 48 | 53 | 58 | 63 | 68 | 72 | 77 | 82 | 87 | 92 | 96 |

INCLUDED & REQUIRED COMPONENTS (SOLD SEPARATELY)



A. OUTDOOR 24VDC LED SOFT STRIP (INCLUDED)

Sold in 1' increments up to 20', and may be custom ordered in 3", 5", 8", or 10" increments. Wet Location LED Strips may not be cut in the field and are not submersible.

B. SILICONE SLEEVE (INCLUDED)

Wet Location (Outdoor) LED Strips feature a water-resistant, flexible Silicone Sleeve.

C. POWER CONNECTOR (INCLUDED)

Included with Wet Location LED Strips. Comes connected to each end of the LED Strip sealed in water-resistant silicone.

D. MOUNTING STRAPS (INCLUDED)

Allow mounting of the Outdoor LED Strip to most outdoor surfaces. Mounting Straps are included with the Outdoor LED Strip, but can also be ordered separately.

E. OUTDOOR POWER SUPPLY (ORDER SEPARATELY)

Outdoor-rated Power Supplies are required for use with a Outdoor LED Strip, and are sold separately. Outdoor LED Strips have a maximum run length of 20'.

F. OUTDOOR CONNECTION BOX (ORDER SEPARATELY)

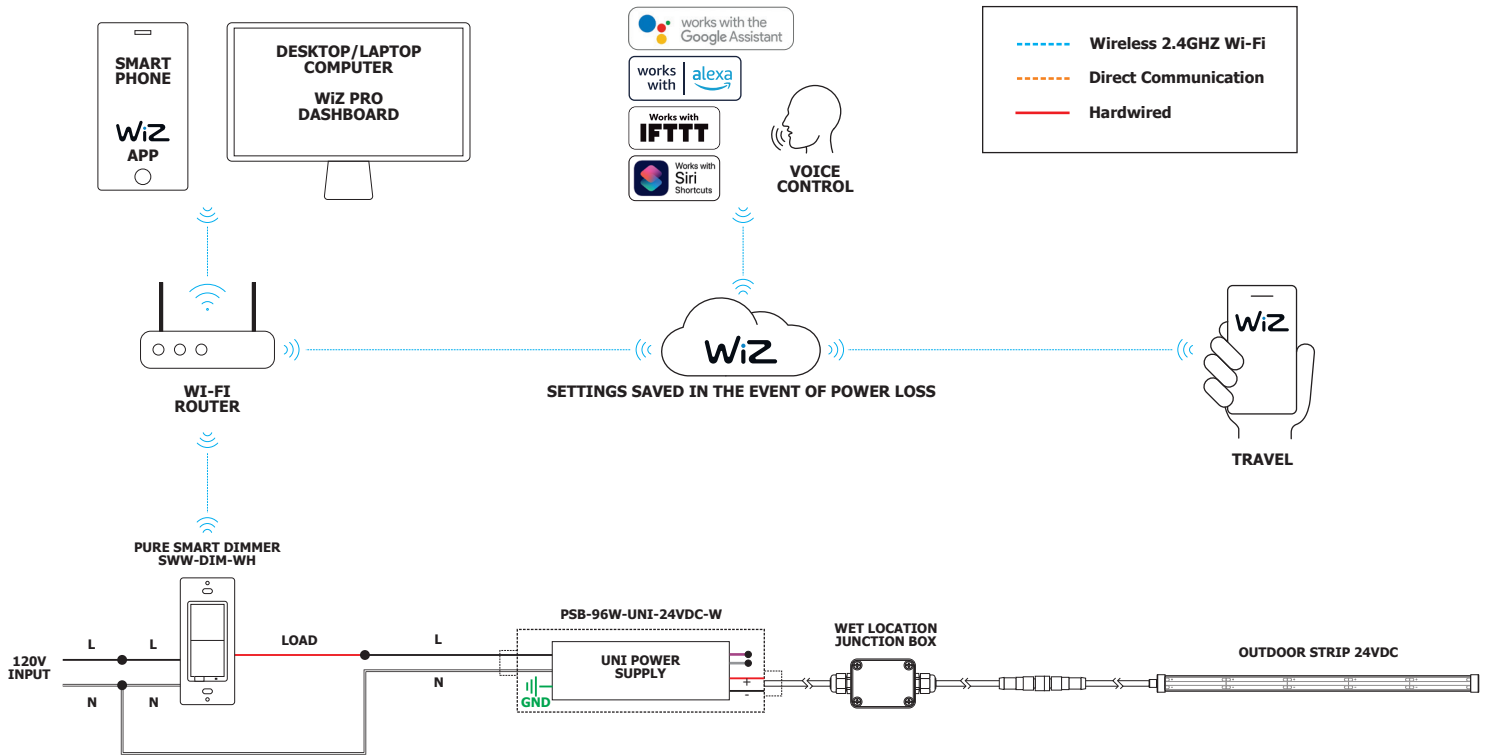
Use of Outdoor LED Strips requires an Outdoor Connection Box to house the wire connection from the LED Strip to Power Supply. The Outdoor Connection Box is sold separately.

| PROJECT | FIXTURE TYPE | DATE |
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OUTDOOR/WET LOCATION LAZER STRIP

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NETWORK TOPOLOGY: FOR LOADS UNDER 600 WATTS

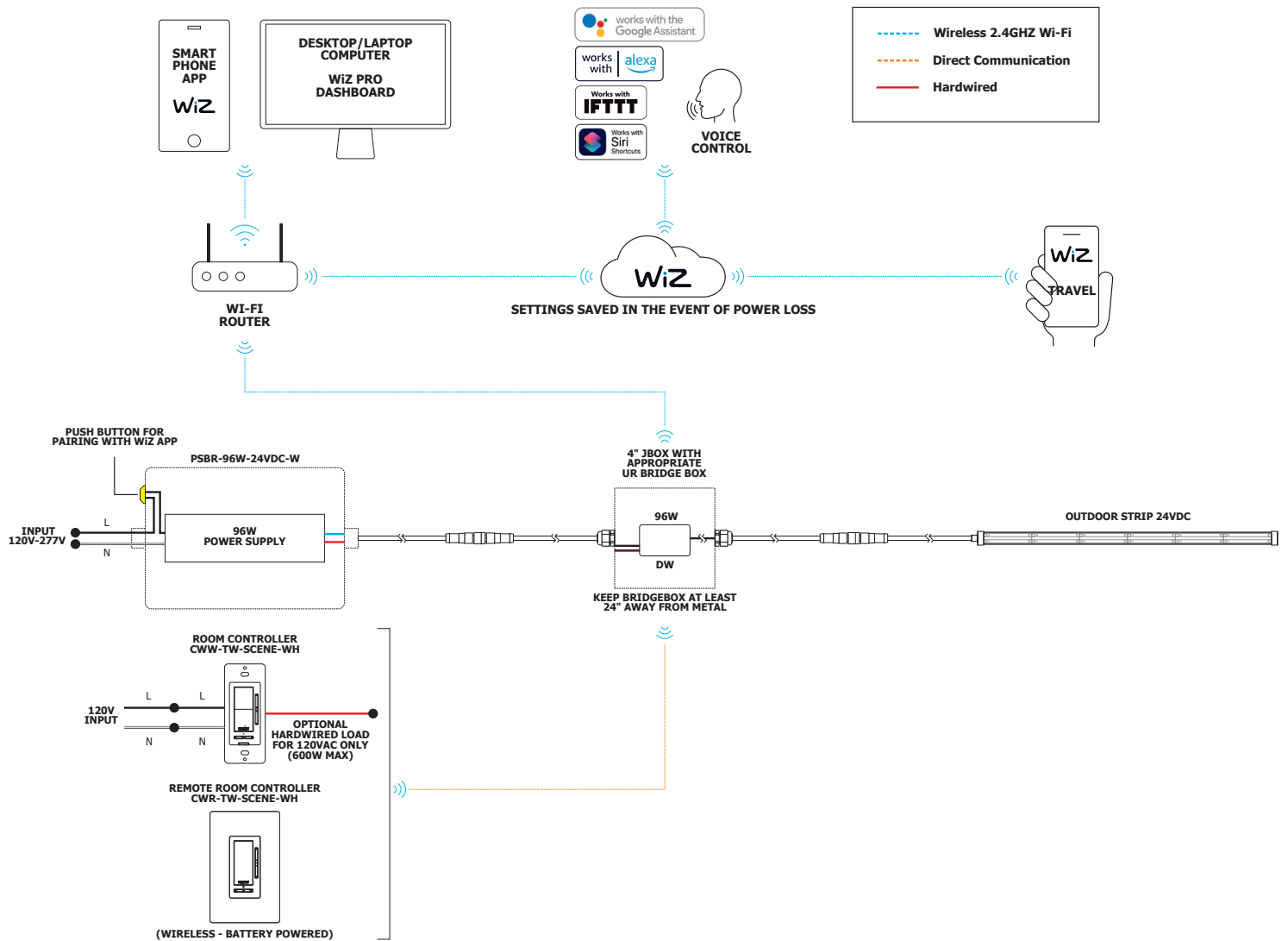


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|---------|--|--------------|--|------|--|
| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

OUTDOOR/WET LOCATION LAZER STRIP

24VDC, STATIC WHITE

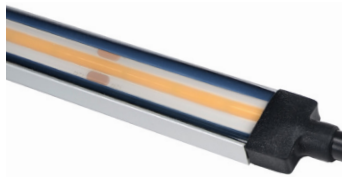
NETWORK TOPOLOGY: FOR LOADS OVER 600 WATTS



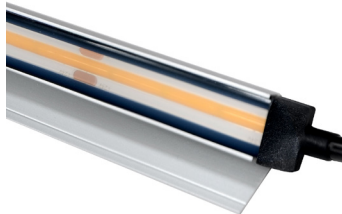
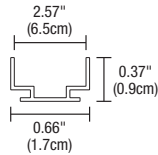
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| PROJECT | | FIXTURE TYPE | | DATE | |
|---------|--|--------------|--|------|--|

OUTDOOR/WET LOCATION LAZER STRIP

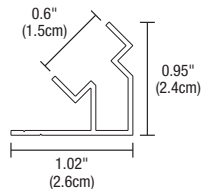
24VDC, STATIC WHITE



CS.3 Flat Surface Channel



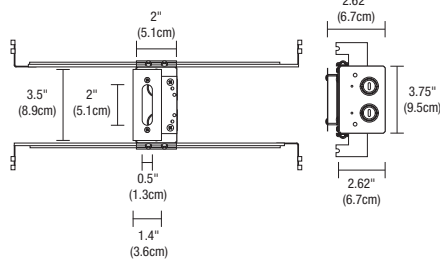
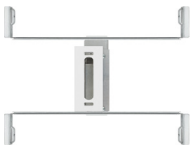
CS45 45 Degree Surface Channel



SURFACE CHANNELS

Extruded aluminum provides rigid mounting on flat surfaces. Offered in 4' increments, field cuttable.

| System | Length In Feet | Finish |
|--|-------------------|--------------------------|
| CS.3 | 4FT | SA |
| CS.3 Channel for Surface Tubing | 4FT 4 Feet | SA Satin Aluminum |
| CS45 45° Channel for Surface Tubing | | |

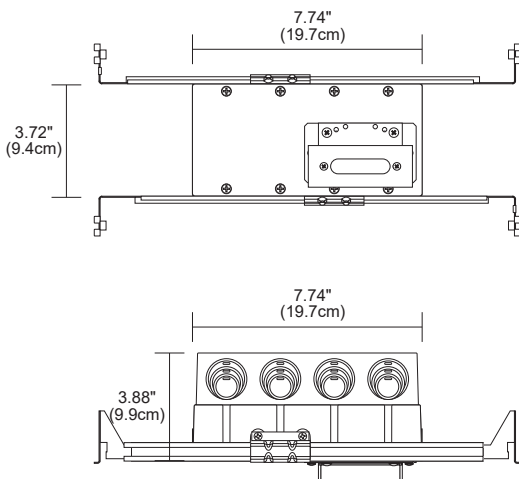


1" RECTANGLE CANOPY & J-BOX*

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

*Only to be used with Seamless Indoor Bottom Lead-In and Out

| Product | Canopy | Product |
|------------------|-------------------------|--------------------------|
| C | 1RE | JBOX |
| C Channel | 1RE 1" Rectangle | JBOX Junction Box |



1" RECTANGLE CANOPY WITH 4 GANG JUNCTION BOX AND PURE SMART WIZ PRO CV BRIDGEBOX

The slim profile 1RE Canopy with 4 Gang Junction Box come with adjustable hanger bars and a Pure Smart WIZ Pro CV Bridgebox allowing wireless control of Flex Neon. Two Class 2, 14AWG stranded conductors from the Remote Power Supply up to 40 ft away are required.

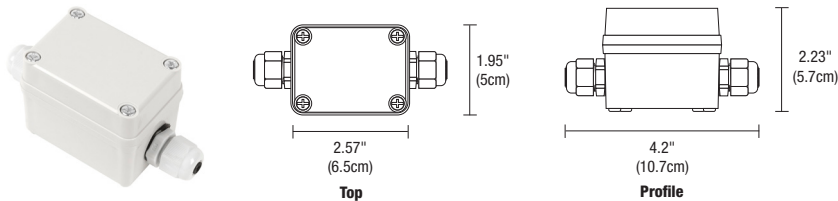
| System | Type | Wattage | Control | Color Temperature | System Code |
|------------------|---|---------------------|---|------------------------|------------------------------------|
| C | 1RE4G | 96W | WZ | DW | SS |
| C Channel | 1RE4G 1" Rectangle Canopy with 4 Gang Junction Box | 96W 96 Watts | WZ WIZ Pro Connected CV Smart Bridgebox included | DW Static White | SS Stomp Strip, Lazer Strip |

OUTDOOR/WET LOCATION LAZER STRIP

24VDC, STATIC WHITE

WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



| Product | Type | Option |
|------------------|-------------------|----------------|
| 2RE | JBOX | W |
| 2RE 2" Rectangle | JBOX Junction Box | W Wet Location |

WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

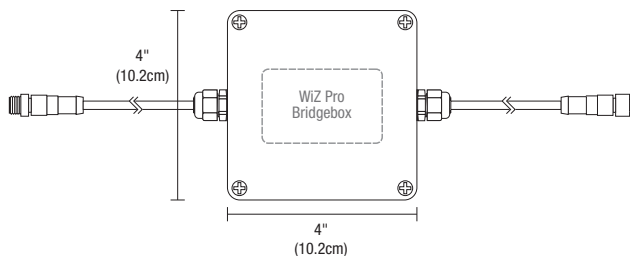
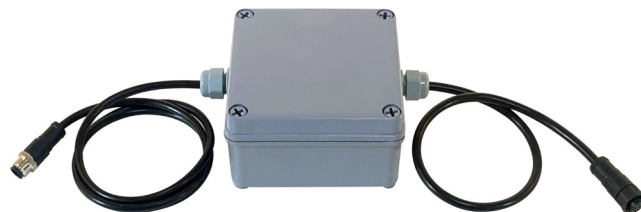
This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.



| Product | Canopy | Product | Size | Option |
|-----------------------------|------------------|-------------------|--|----------------|
| SS | 2RE | JBOX | 6IN | W |
| SS LED Soft Strip Flex Neon | 2RE 2" Rectangle | JBOX Junction Box | 6IN 6" Four Wire Connection 96IN 96" Four Wire Connection | W Wet Location |

PURE SMART WET LOCATION JUNCTION BOX WITH 8FT POWER CABLE AND WIZ PRO UR BRIDGEBOX

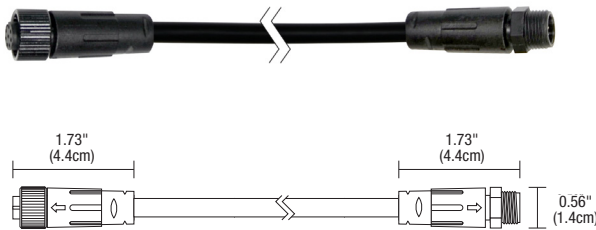
This watertight Junction Box is especially designed for lighting in wet and damp locations. The Junction Box comes standard with a 8ft of outdoor cable and both male and female barrel connectors providing easy, safe, and reliable connections for 24V low voltage luminaires. Included with the Junction Box is one Wiz Pro type Bridgebox allowing wireless control of Flex Neon. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.



| Product | Type | Wattage | Controls | Color Temperature | Option | System |
|---|---|--------------|-------------------------------------|-------------------|----------------|-----------------------------|
| BR | JBC | 96W | WZ | DW | W | SS |
| BR Bridgebox for LED Soft Strip and Flex Neon | JBC Outdoor Junction Box with Two Barrel Connectors | 96W 96 Watts | WZ Wiz Connected Bridgebox Included | DW Static White | W Wet Location | SS Stomp Strip, Lazer Strip |

OUTDOOR/WET LOCATION LAZER STRIP

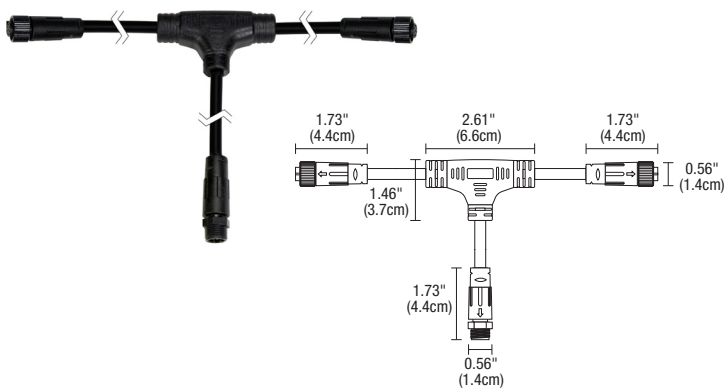
24VDC, STATIC WHITE



POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

| Product | Type | Size | Conductor | Option |
|-----------------------------|------------------------|----------------------|----------------|----------------|
| SS | CFX | 16IN | 2C | W |
| SS Soft Strip and Flex Neon | CFX Flexible Connector | 16IN 16" 96IN 96" | 2C 2 Conductor | W Wet Location |



WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.

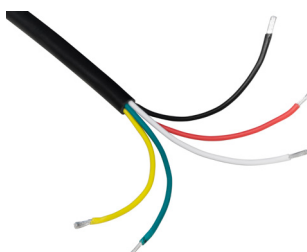
| Product | Type | Size | Size | Option |
|-----------------------------|------------------------|------------|-------------------------|----------------|
| SS | CFX | 4IN | 2YC | W |
| SS Soft Strip and Flex Neon | CFX Flexible Connector | 4IN 4" | 2YC Y-Shape 2 Conductor | W Wet Location |



DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

Our Direct Burial, 2 Conductor Plus ground, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed. Not compatible with Tunable White.

| Product | Gauge | Cable |
|------------------|--------------|----------------|
| DB | 14G | 2C |
| DB Direct Burial | 14G 14 Gauge | 2C 2 Conductor |



WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed. For use with Tunable White.

| Product | Gauge | Cable |
|------------------|--------------|----------------|
| OC | 14G | 5C |
| OC Outdoor Cable | 14G 14 Gauge | 5C 5 Conductor |

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SOFT STRIP U-STRAP

Soft Strip U-Strap Included 1 per foot with each order. May be ordered separately. Use U-Strap every 6"-12" for extra support (30 per package).

| Product | | Product |
|-------------------|---|------------|
| SS | - | SU |
| SS LED Soft Strip | | SU U-Strap |



SOFT STRIP TIE STRAP

Use for mounting to poles for extra support, every 6"-12" (30 per package).

| Product | | Type |
|-------------------|---|--------------|
| SS | - | ST |
| SS LED Soft Strip | | ST Tie Strap |



ARC U CLIP

Included 1 per foot with each order. May be ordered separately. Use ARC U-CLIP every 6"-12" for extra support (10 per package).

| Product | | Type |
|-------------------|---|-----------------|
| SS | - | SEQ2 |
| SS LED Soft Strip | | SEQ2 Arc U-Clip |



VHB 3M TAPE

Included on all outdoor tubing VHB-10FT

| Product | | Length |
|------------------------------|---|--------------|
| VHB | - | 10FT |
| VHB Outdoor Sticky back tape | | 10FT 10 Feet |

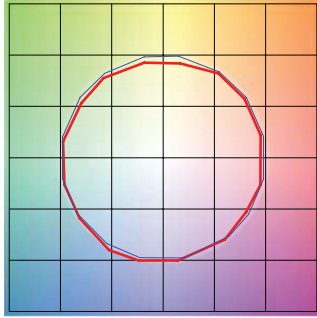
TM30 DATA

24VDC, STATIC WHITE

TM-30-15 DATA: The data below is for Lazer Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

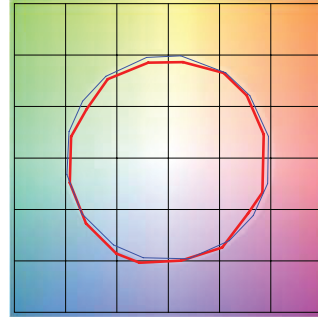


■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 92.0 | -2.4% | 1.5% |
| 2 | 94.7 | -2.1% | 0.0% |
| 3 | 95.4 | -1.9% | -0.1% |
| 4 | 88.7 | -6.7% | -3.1% |
| 5 | 92.8 | -5.6% | 1.0% |
| 6 | 92.7 | -3.4% | 3.4% |
| 7 | 89.9 | -4.3% | 4.1% |
| 8 | 92.4 | -1.4% | 4.4% |
| 9 | 89.0 | -0.6% | 5.8% |
| 10 | 88.9 | 0.4% | 6.2% |
| 11 | 89.7 | 4.0% | 5.4% |
| 12 | 92.6 | 3.0% | -0.7% |
| 13 | 90.9 | 1.1% | -7.0% |
| 14 | 89.9 | 0.5% | -5.8% |
| 15 | 92.1 | -3.2% | 0.1% |
| 16 | 88.9 | -1.7% | -6.3% |

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

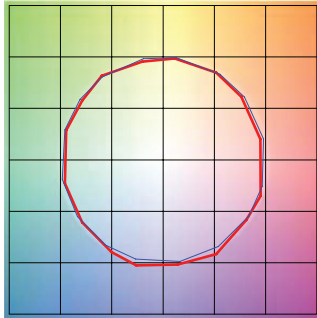


■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 88.0 | -4.3% | 2.6% |
| 2 | 91.6 | -2.4% | 2.0% |
| 3 | 93.7 | -1.4% | 1.9% |
| 4 | 88.9 | -5.6% | -3.1% |
| 5 | 92.3 | -5.5% | -0.5% |
| 6 | 92.9 | -3.5% | 0.1% |
| 7 | 84.5 | -7.5% | 4.6% |
| 8 | 90.8 | -3.0% | 4.4% |
| 9 | 84.5 | -1.3% | 8.3% |
| 10 | 83.9 | 2.0% | 9.8% |
| 11 | 87.2 | 5.3% | 7.1% |
| 12 | 89.2 | 5.4% | -2.6% |
| 13 | 88.7 | 0.3% | -7.8% |
| 14 | 86.8 | 1.7% | -9.3% |
| 15 | 87.6 | -5.4% | -1.3% |
| 16 | 83.6 | -3.3% | -9.5% |

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

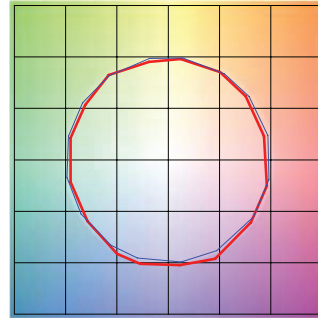


■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 92.5 | -3.1% | 0.3% |
| 2 | 93.3 | -2.3% | 1.9% |
| 3 | 90.9 | -0.8% | 3.9% |
| 4 | 94.3 | -1.1% | 1.4% |
| 5 | 92.5 | -2.6% | 1.5% |
| 6 | 96.4 | 1.2% | -0.3% |
| 7 | 92.6 | -2.5% | -0.0% |
| 8 | 96.9 | -1.4% | 0.2% |
| 9 | 92.3 | -1.8% | 4.3% |
| 10 | 86.6 | -0.7% | 7.0% |
| 11 | 86.5 | 2.4% | 8.2% |
| 12 | 89.8 | 5.9% | 1.7% |
| 13 | 93.9 | 2.6% | -2.7% |
| 14 | 89.4 | 5.1% | -5.8% |
| 15 | 90.1 | -0.1% | -4.7% |
| 16 | 86.5 | 0.3% | -9.7% |

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic



■ Test ■ Reference

| | | GRAPHIC SHIFTS % | |
|---------|------|------------------|-------|
| HUE BIN | Rf | CHROMA | HUE |
| 1 | 90.8 | -3.8% | 0.3% |
| 2 | 92.3 | -2.8% | 2.1% |
| 3 | 89.7 | -1.0% | 4.3% |
| 4 | 92.6 | -1.4% | 1.7% |
| 5 | 91.8 | -3.1% | 1.3% |
| 6 | 96.2 | 0.8% | -0.4% |
| 7 | 92.9 | -3.2% | 0.2% |
| 8 | 94.3 | -2.5% | 1.5% |
| 9 | 90.4 | -2.5% | 5.2% |
| 10 | 84.3 | -1.4% | 9.5% |
| 11 | 83.1 | 3.5% | 9.8% |
| 12 | 88.2 | 4.8% | 3.4% |
| 13 | 94.0 | 2.7% | -2.0% |
| 14 | 88.7 | 5.9% | -5.8% |
| 15 | 88.7 | 0.7% | -5.9% |
| 16 | 86.8 | -0.7% | -6.7% |