

# OUTDOOR/WET LOCATION LAZER STRIP

24VDC, TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

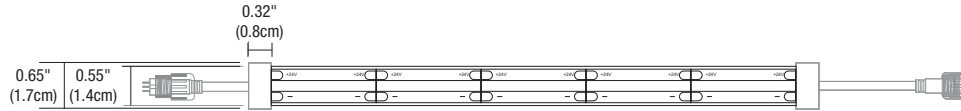
REV 04.07.26



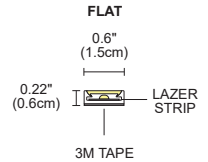
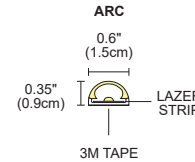
Lazer Strip Arc Diffused Lens, White Tubing



Clear Flat Lens, Black Tubing



\*Shown with Two End Connectors



## FEATURES & BENEFITS

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) delivers consistent light output with Tunable White Technology 2000k-4000K (**2K4K**) granting independent control over LED color temperature and brightness to support circadian lighting, enhancing well-being by aligning with natural daylight cycles. 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 | 269 lm/ft  |
| EFFICIENCY   | 56 lm/watt |
| CRI          | 91         |

## 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     | 4.6 watts per foot                                                                                                 |
| INCREMENTS            | 1'                                                                                                                 |
| MAX LENGTH            | 20' at 5 watts                                                                                                     |
| 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                                                                                                   |
| COMPLIANCE            | Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed |

## MAXIMUM LENGTHS BEFORE RE-FEEDING

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

## LAMP

Tunable White: 2000K-4000K (**2K4K**) grants independent control for adjusting color temperature and intensity

## 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](#)
- 0-10V:** Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)

### INDOOR

- Pure Smart™ WiZ Pro [Power Supplies & Controls](#)
- 0-10V:** Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)

\*In-Wall Mounting and drop ceiling Kits available for select power supplies

## APPLICATIONS

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

## COMPLIANCE

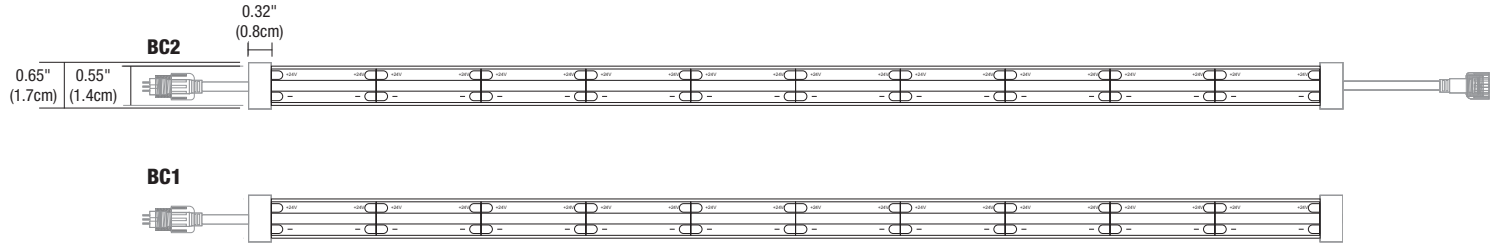
Class 2 Wiring, Outdoor Wet Location, IP67 Rated, ETL listed, RoHS.

| Wattage                             | Voltage     | Length in Feet | Lens/Body                                                 | Color Temperature              | Connector                                                                                                   | Options        |
|-------------------------------------|-------------|----------------|-----------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|
| <b>LS5</b>                          | <b>24V</b>  | <b>20</b>      | <b>ARC</b>                                                | <b>2K4K</b>                    | <b>BC1</b>                                                                                                  | <b>W</b>       |
| LS5 Lazer Strip, 4.6 watts per foot | 24V 24 Volt | 1-20 1-20 feet | ARC Arc Diffused Lens<br>CD Clear Flat Lens, Black Tubing | 2K4K Tunable White 2000K-4000K | BC1 One 6" wire lead & barrel connector at one end<br>BC2 Two 6" wire leads & barrel connector at both ends | W Wet Location |

# OUTDOOR/WET LOCATION LAZER STRIP

24VDC, TUNABLE WHITE

REV 04.07.26



## NOMINAL DELIVERED LUMENS

| LS5 2K4K-ARC - 4.6W     |     |     |     |     |     |     |     |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 20K | 22K | 24K | 27K | 30K | 35K | 40K |
| COLOR TEMPERATURE       | 20K | 22K | 24K | 27K | 30K | 35K | 40K |
| LUMENS PER FOOT (lm/ft) | 105 | 149 | 193 | 237 | 281 | 230 | 236 |
| LUMENS PER WATT (lm/w)  | 41  | 48  | 52  | 55  | 58  | 62  | 93  |
| CRI                     | 94  | 83+ | 92+ | 92+ | 96  | 94+ | 93  |

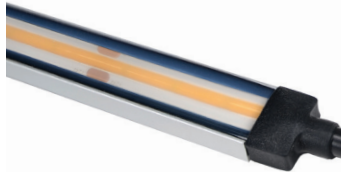
| LS5 2K4K-D - 4.6W       |     |     |     |     |     |     |     |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|
| WATTS PER FOOT          | 20K | 22K | 24K | 27K | 30K | 35K | 40K |
| COLOR TEMPERATURE       | 20K | 22K | 24K | 27K | 30K | 35K | 40K |
| LUMENS PER FOOT (lm/ft) | 111 | 157 | 203 | 249 | 296 | 242 | 236 |
| LUMENS PER WATT (lm/w)  | 44  | 50  | 55  | 58  | 61  | 66  | 93  |
| CRI                     | 94  | 83+ | 92+ | 92+ | 96  | 94+ | 93  |

## POWER CONSUMPTION PER LINEAR FOOT

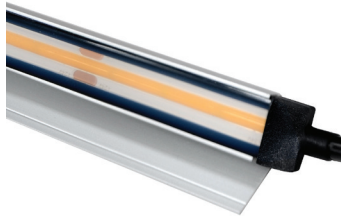
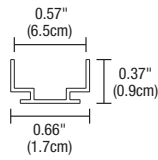
| LS5 2K4K-D 24VDC LED Strip (4.6 watts) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| LENGTH IN FEET                         | 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 |

# OUTDOOR/WET LOCATION LAZER STRIP

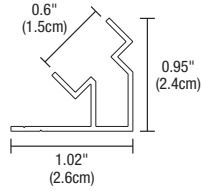
24VDC, TUNABLE WHITE



**CS.3** Flat Surface Channel



**CS45** 45 Degree Surface Channel



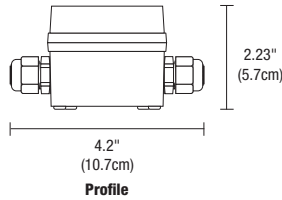
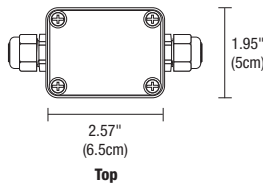
## SURFACE CHANNELS

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

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

## WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



| Product                 | Type                     | Option                |
|-------------------------|--------------------------|-----------------------|
| <b>2RE</b>              | <b>JBOX</b>              | <b>W</b>              |
| <b>2RE</b> 2" Rectangle | <b>JBOX</b> Junction Box | <b>W</b> Wet Location |

## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

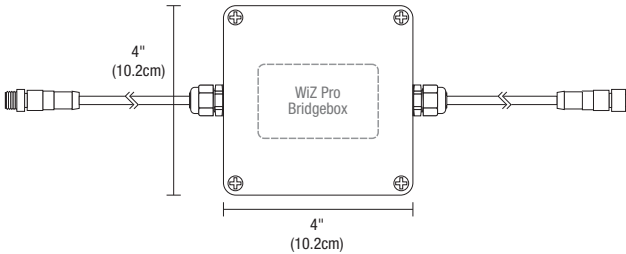
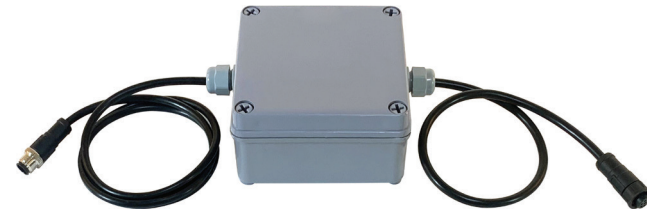
This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is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



| Product                            | Canopy                  | Product                  | Size                               | Color Temperature                      | Option                |
|------------------------------------|-------------------------|--------------------------|------------------------------------|----------------------------------------|-----------------------|
| <b>SS</b>                          | <b>2RE</b>              | <b>JBOX</b>              | <b>6IN</b>                         | <b>6C</b>                              | <b>W</b>              |
| <b>SS</b> LED Soft Strip Flex Neon | <b>2RE</b> 2" Rectangle | <b>JBOX</b> Junction Box | <b>6IN</b> 6" Four Wire Connection | <b>6C</b> 6 Conductor Barrel Connector | <b>W</b> Wet Location |

# OUTDOOR/WET LOCATION LAZER STRIP

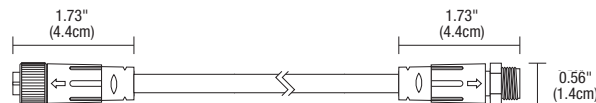
24VDC, TUNABLE WHITE



## 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.

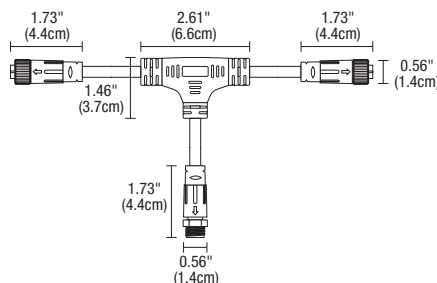
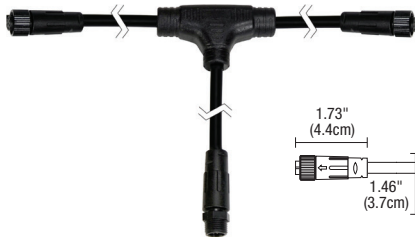
| Product                                    | Type                                            | Wattage      | Controls                         | Color Temperature | Option       | System                   |
|--------------------------------------------|-------------------------------------------------|--------------|----------------------------------|---------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



## 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.

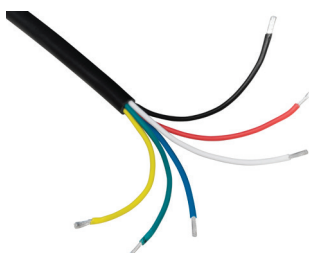
| Product                  | Type               | Size              | Conductor      | Option       |
|--------------------------|--------------------|-------------------|----------------|--------------|
| <b>SS</b>                | <b>CFX</b>         | <b>16IN</b>       | <b>6C</b>      | <b>W</b>     |
| Soft Strip and Flex Neon | Flexible Connector | 16IN 16" 96IN 96" | 6C 6 Conductor | 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       |
|--------------------------|--------------------|------------|-------------------------|--------------|
| <b>SS</b>                | <b>CFX</b>         | <b>4IN</b> | <b>6YC</b>              | <b>W</b>     |
| Soft Strip and Flex Neon | Flexible Connector | 4IN 4"     | 6YC Y-Shape 6 Conductor | Wet Location |



## WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 6 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          |
|---------------|--------------|----------------|
| <b>OC</b>     | <b>14G</b>   | <b>6C</b>      |
| Outdoor Cable | 14G 14 Gauge | 6C 6 Conductor |

# OUTDOOR/WET LOCATION LAZER STRIP 24VDC, TUNABLE WHITE



**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           |
|--------------------------|---|-------------------|
| <b>SS</b>                | - | <b>SU</b>         |
| <b>SS</b> LED Soft Strip |   | <b>SU</b> U-Strap |



**SOFT STRIP TIE STRAP**  
 Use for mounting to poles for extra support, every 6"-12" (30 per package).

| Product                  |   | Type                |
|--------------------------|---|---------------------|
| <b>SS</b>                | - | <b>ST</b>           |
| <b>SS</b> LED Soft Strip |   | <b>ST</b> 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                   |
|--------------------------|---|------------------------|
| <b>SS</b>                | - | <b>SEQ2</b>            |
| <b>SS</b> LED Soft Strip |   | <b>SEQ2</b> Arc U-Clip |



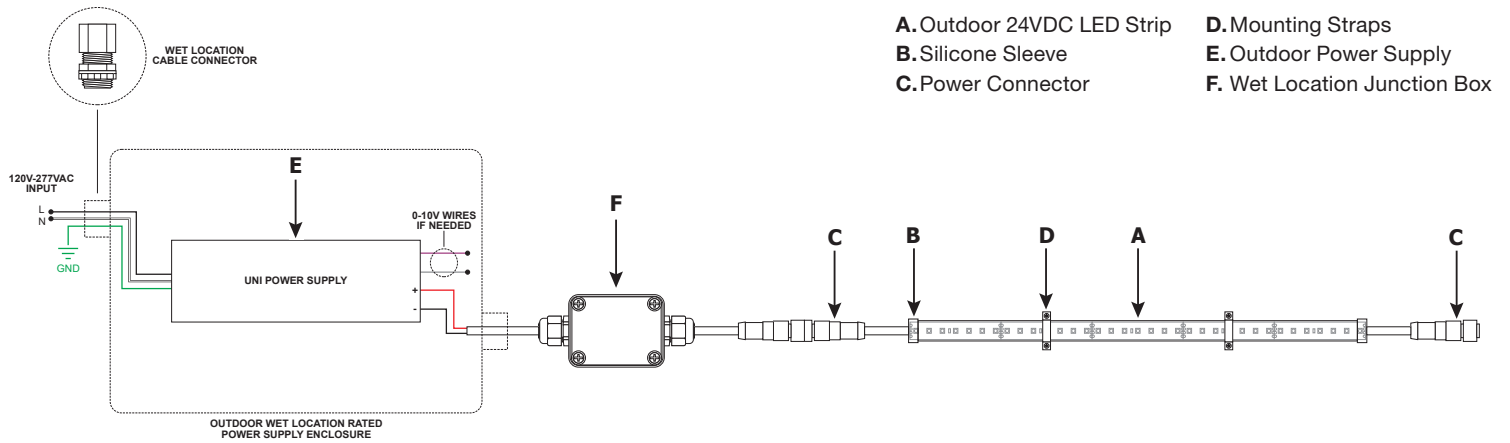
**VHB 3M TAPE**  
 Included on all outdoor tubing VHB-10FT

| Product                             |   | Length              |
|-------------------------------------|---|---------------------|
| <b>VHB</b>                          | - | <b>10FT</b>         |
| <b>VHB</b> Outdoor Sticky Back Tape |   | <b>10FT</b> 10 Feet |

# OUTDOOR/WET LOCATION LAZER STRIP

24VDC, TUNABLE WHITE

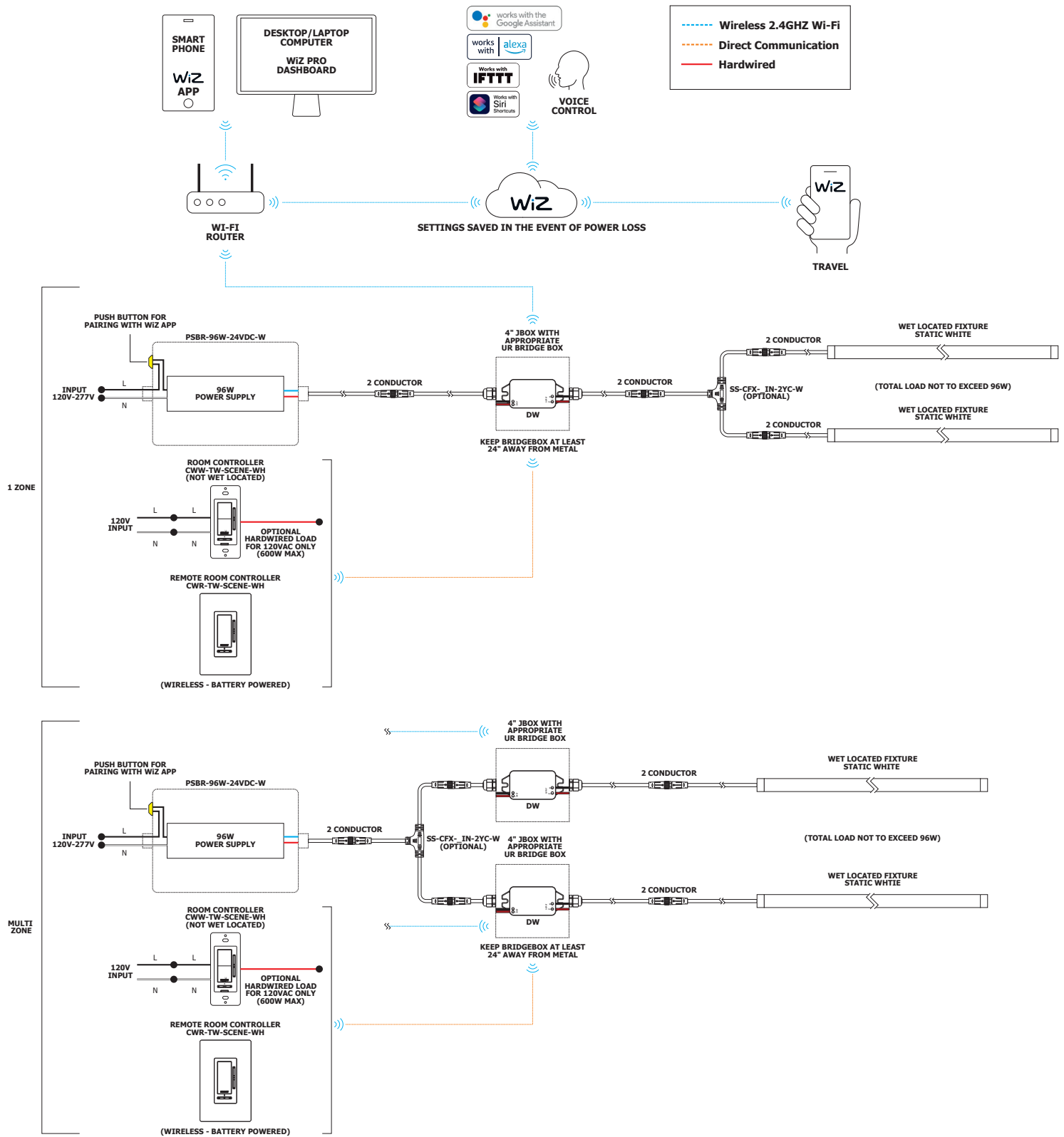
## TRADITIONAL WIRING WITH UNIVERSAL POWER SUPPLY:



# OUTDOOR/WET LOCATION LAZER STRIP

24VDC, TUNABLE WHITE

## SMART DIMMING FOR LOADS OVER 600 WATTS



# TM30 DATA

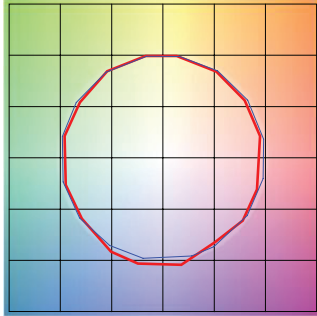
## 24VDC, TUNABLE WHITE

REV 04.07.26

**TM-30-15 DATA:** The data below is for Tunable White bare Lazer Strip. 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.

### 2000K ONLY (2K4K) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

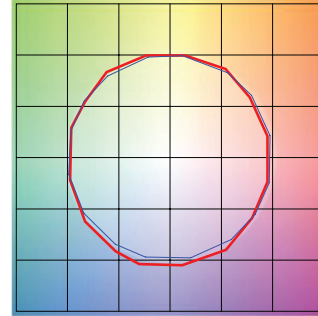


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 87.7 | -5.5%            | 1.2%   |
| 2       | 88.7 | -3.9%            | 4.2%   |
| 3       | 90.5 | -1.5%            | 4.3%   |
| 4       | 95.0 | -1.7%            | 0.8%   |
| 5       | 95.2 | -0.2%            | 2.1%   |
| 6       | 94.2 | 1.6%             | 1.9%   |
| 7       | 95.9 | -0.8%            | -2.2%  |
| 8       | 95.5 | -1.7%            | 1.3%   |
| 9       | 93.8 | -1.4             | 2.6%   |
| 10      | 91.9 | -0.7%            | 4.2%   |
| 11      | 91.3 | 3.6%             | 3.7%   |
| 12      | 91.2 | 4.2%             | -1.0%  |
| 13      | 86.6 | 3.8%             | -12.7% |
| 14      | 67.2 | -3.0%            | -16.3% |
| 15      | 84.9 | -3.3%            | -9.4%  |
| 16      | 84.2 | -5.7%            | -7.5%  |

### 3000K (2K4K) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

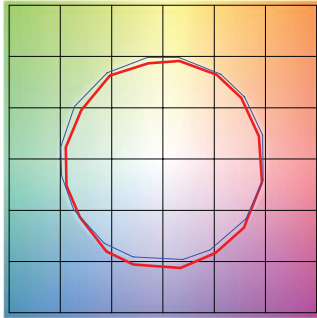


■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |        |
|---------|------|------------------|--------|
| HUE BIN | Rf   | CHROMA           | HUE    |
| 1       | 91.5 | -3.5%            | 1.2%   |
| 2       | 92.4 | -1.8%            | 2.7%   |
| 3       | 89.8 | 0.3%             | 4.5%   |
| 4       | 92.4 | -1.7%            | 0.4%   |
| 5       | 93.3 | -0.1%            | 1.4%   |
| 6       | 94.5 | 2.1%             | -0.6%  |
| 7       | 91.0 | -2.5%            | 0.3%   |
| 8       | 96.9 | -0.8%            | -0.2%  |
| 9       | 91.6 | -0.9%            | 4.6%   |
| 10      | 86.7 | 0.7%             | 7.8%   |
| 11      | 86.3 | 3.8%             | 8.5%   |
| 12      | 88.3 | 6.1%             | 0.6%   |
| 13      | 90.9 | 3.1%             | -5.2%  |
| 14      | 87.3 | 4.7%             | -7.9%  |
| 15      | 92.1 | -1.9%            | -2.5%  |
| 16      | 84.5 | -0.9%            | -10.9% |

### 4000K ONLY (2K4K) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



■ Test ■ Reference

|         |      | GRAPHIC SHIFTS % |       |
|---------|------|------------------|-------|
| HUE BIN | Rf   | CHROMA           | HUE   |
| 1       | 86.5 | -5.5%            | 1.3%  |
| 2       | 90.4 | -3.0%            | 2.3%  |
| 3       | 89.8 | -2.1%            | 3.6%  |
| 4       | 89.1 | -3.4%            | 0.4%  |
| 5       | 88.5 | -5.9%            | 0.1%  |
| 6       | 93.6 | -3.0%            | -0.4% |
| 7       | 88.9 | -6.2%            | 1.7%  |
| 8       | 87.3 | -5.0%            | 4.9%  |
| 9       | 82.4 | -3.6%            | 11.3% |
| 10      | 77.4 | -1.8%            | 12.7% |
| 11      | 79.8 | 4.9%             | 11.4% |
| 12      | 88.7 | 4.4%             | 2.7%  |
| 13      | 88.7 | 4.0%             | -5.1% |
| 14      | 91.2 | 2.2%             | -3.8% |
| 15      | 82.7 | -0.1%            | -9.2% |
| 16      | 82.8 | -2.2%            | -7.6% |