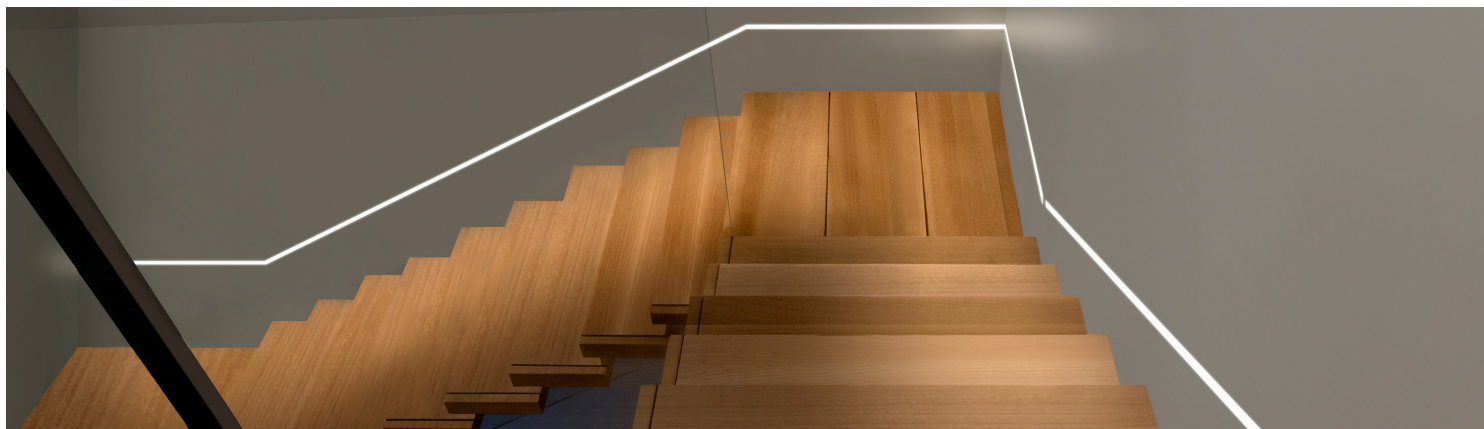


# REVEAL COVE & PATHWAY

## 24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM



### Let the Drywall be Your Canvas

#### DESCRIPTION

Reveal Cove/Pathway DIY (Do-It-Yourself), a Plaster-in, 24VDC LED system that recesses within 5/8" drywall, without any joist modification. Redefining the relationship between lighting and interior design, this innovative and highly efficient system blends seamlessly into the drywall, accenting the architecture and as a practical wayfinding application. The Reveal DIY system makes creating complex configurations simple by using pre-formed components, streamlining the installation process. The slim extrusions, LED strips, and lenses are field-cuttable and ordered in 1' increments (up to 40' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and glare-free general illumination using designer-grade Color Rendering LEDs (95+ CRI). With the ability to run in horizontal, and diagonal directions or wrap both inside and outside corners, the compositions are truly endless. Offered in a broad range of wattages and Color Temperatures from 2400K through 4000K, Warm Dim (27D or 30D), Tunable White (2K6K or 27K6), Dynamic RGB, RGB+White in 2000K (special order in 27K, 30K and 40K), and TruColor™ RGBTW color changing RGB with Tunable White 2000K-6500K. Influenced by simplicity and elegance, Reveal plaster-in system brings together a modern and dynamic appearance to residential and commercial environments, offering unlimited creativity, and empowering you to design one-of-a-kind, personalized spaces every time. Let the drywall be your canvas. Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom designs and quotes, send drawings to [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

#### ORDERING

Reveal Cove/Pathway DIY can be secured to studs spaced 13-24" apart or between studs with provided mounting clips. Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. The channels are ordered in 1' increments, field-cuttable to any length, the LED strips are ordered in 1' increments than can be cut at every 2.4" or 3" depending on the color temperature selection.

#### PRE-FORMED COMPONENTS

8' Channel and Lens, End Feed Power Connector, Junction Box, Channel Joiners and Take-Up Box.

#### DESIGN NOTE

Reveal DIY can be installed on a single surface, join runs on multiple planes from one wall to an adjacent wall. Use with pre-formed components to create desired configurations, including Outside or Inside Corners for Room Wrapping installations.

#### LAMP

- Static White Color Temperatures ranging from **2400K** through **4000K**
- Warm Dim: **27D** and **30D** dim down to 1800K, resembling halogen light sources
- Tunable White: **2K6K** and **27K6** grants independent control for adjusting color temperature and intensity
- Dynamic RGB & RGB+White in 2000K (**RGB**, **RGB20K**) (special order in 27K, 30K and 40K)
- TruColor™ **RGBTW** Dynamic RGB with Tunable White 2000K-6500K
- Average life: 50,000 hours

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

- [Static White](#)
- [Warm Dim](#)
- [Tunable White](#)
- [RGB](#)
- [RGBW](#)
- [TruColor™ RGBTW](#)
- [Monochromatic](#)

#### ROOM WRAPPING

Room Wrapping is the style of installation in which the electrician may create 90° angles with Inside Corner Channel Connectors. The LED Strip is installed flat in the back wall of the channel; and bend within inside or outside corners for seamless light across surfaces.

#### APPLICATIONS

Indoor damp or dry locations only. Toe-Kicks and Cove lighting for Office, Residential, Retail, Hospitality, and Institutions.

#### COMPLIANCE

ETL, Class 2, RoHS, Damp Location, Made in USA. 1-hour fire rating uses Two pieces of Type X Gypsum board, for 2-Hour fire rating use Three pieces of Type X Gypsum board.

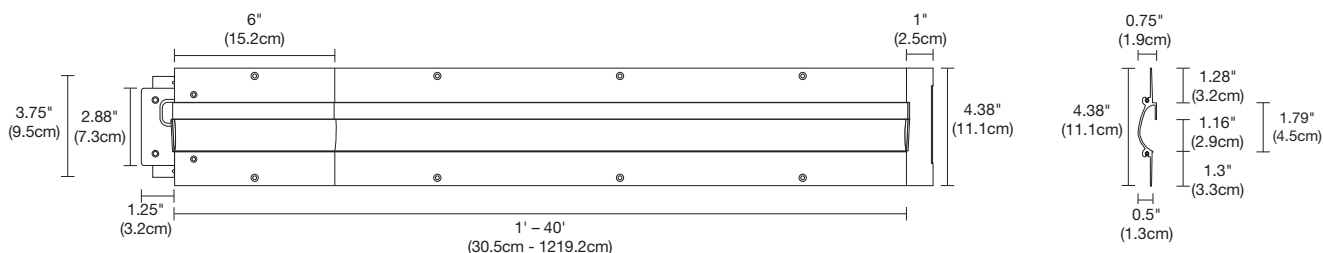
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# REVEAL COVE & PATHWAY

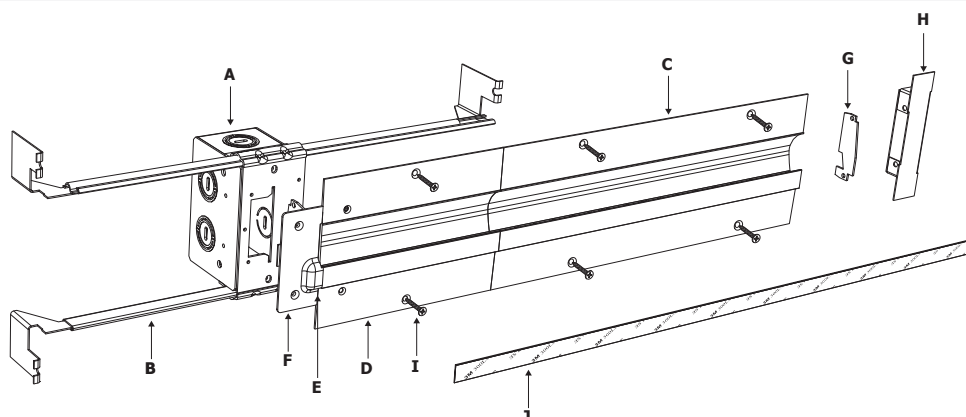
## 24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV.01.21.25



### COMPONENTS



#### A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars, and includes a drywall template for accurate installation. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is concealed with the Reveal Junction Box cover and is required at the beginning of each run.

#### B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces.

#### C. REVEAL CHANNEL

0.5" deep extrusion houses a single row of commercial-grade White or Dynamic Color Changing LED Strip.

#### D. REVEAL 6" STARTER PIECE

#### E. POWER FEED END CAP

Provides a connection area for 24VDC wires at beginning of run where LED Strip enters channel.

#### F. JUNCTION BOX COVER

Conceals Junction Box opening. Required at the beginning of each run.

#### G. DEAD END CAP PLATE

Provides a finished look and prevents light leak at feed-end of run where LED Strip exits channel.

#### H. TAKE-UP BOX

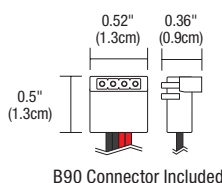
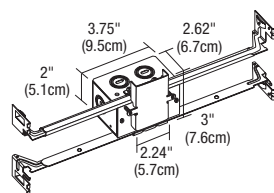
Prevents dark spots at end of run by tucking excess LED Strip safely behind wall.

#### I. DRYWALL SCREWS

Secure channel to drywall and stud.

#### J. LED STRIP

(Back Side shown) commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details.

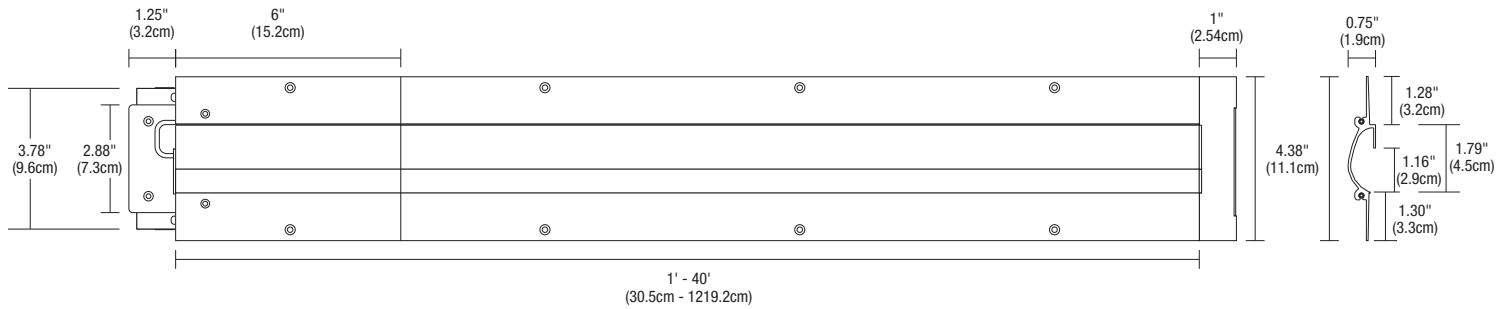


### JUNCTION BOX ROUGH-IN COMPONENT

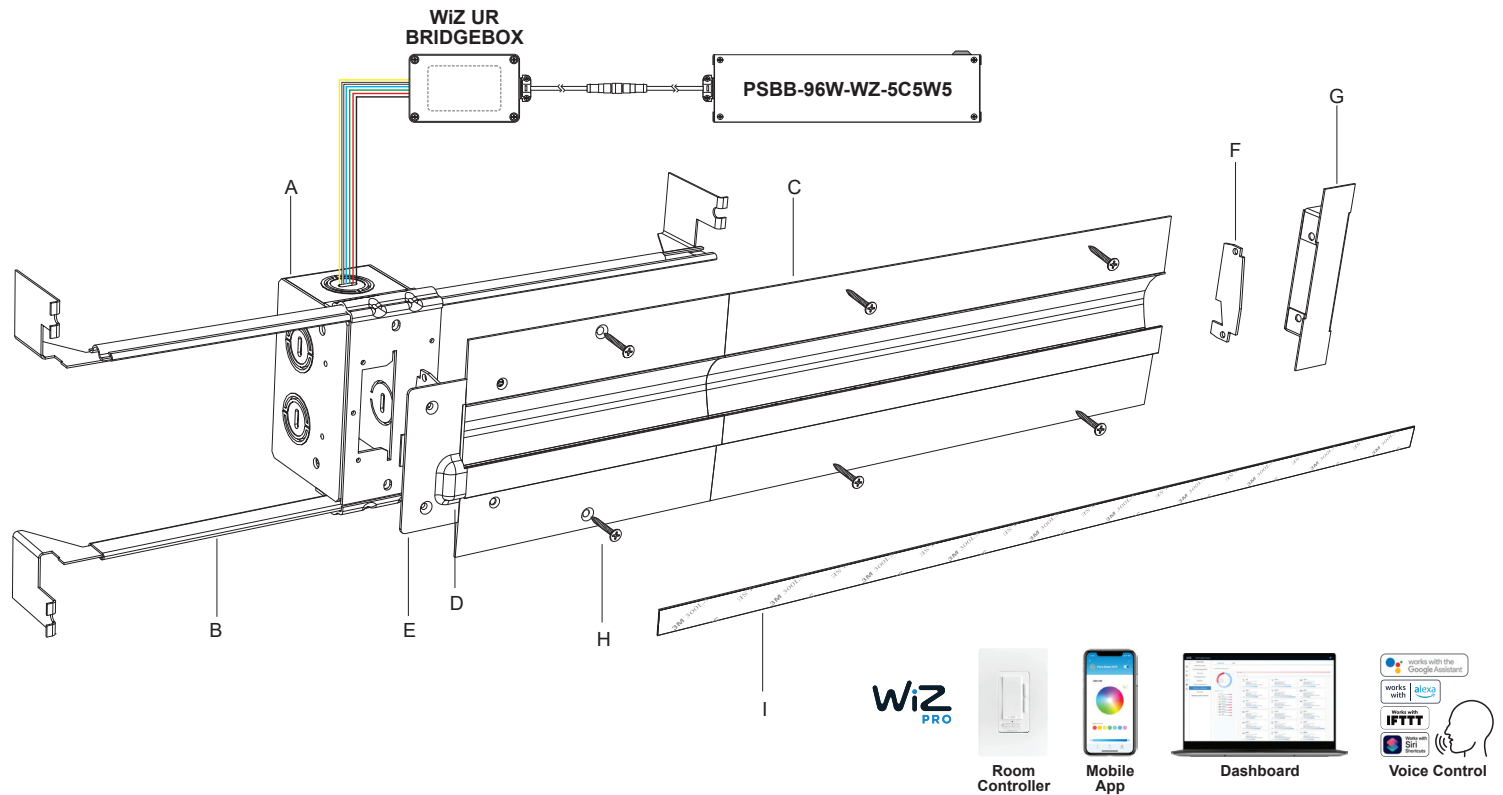
One Junction Box is included with Reveal. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component
<b>RV</b>	<b>1RE</b>	<b>JBOX</b>
RV Reveal	1RE 1" Rectangle	JBOX Junction Box

PROJECT	FIXTURE TYPE	DATE
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## COMPONENTS



### A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars, and includes a drywall template for accurate installation. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is concealed with the Reveal Junction Box cover and is required at the beginning of each run.

### B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces.

### C. REVEAL CHANNEL

0.5" deep extrusion houses a single row of commercial-grade White or Dynamic Color Changing LED Strip.

### D. POWER FEED END CAP

Provides a connection area for 24VDC wires at beginning of run where LED Strip enters channel.

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Conceals Junction Box opening. Required at the beginning of each run.

### F. DEAD END CAP PLATE

Provides a finished look and prevents light leak at feed-end of run where LED Strip exits channel.

### G. TAKE-UP BOX

Prevents dark spots at end of run by tucking excess LED Strip safely behind wall.

### H. DRYWALL SCREWS

Secure channel to drywall and stud.

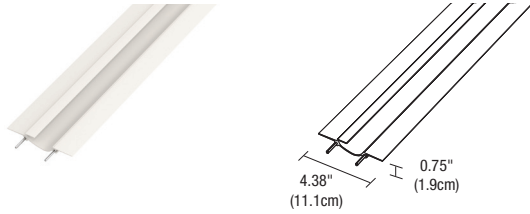
### I. LED STRIP

(Back Side shown) commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details

PROJECT		FIXTURE TYPE		DATE	
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# REVEAL COVE & PATHWAY

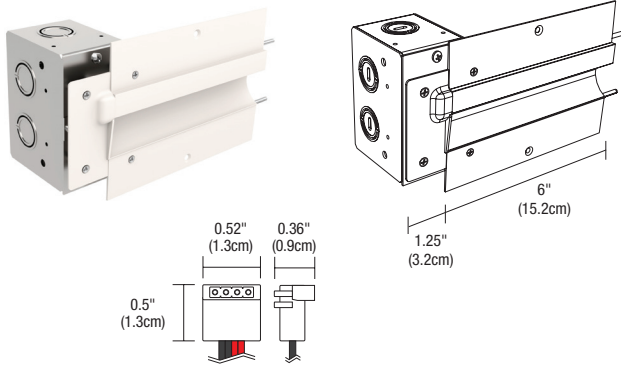
## 24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM



### 8' CHANNEL

8' Plaster-In Channel. LED Strip (not included) installed on side of the channel. Does not require a lens. Allows for the creation of Reveal DIY systems. Field cuttable to any length, includes Channel Joiners.

System	Component	Size
<b>RV</b>	<b>CH</b>	<b>8FT</b>
RV Reveal	CH Channel	8FT 8'

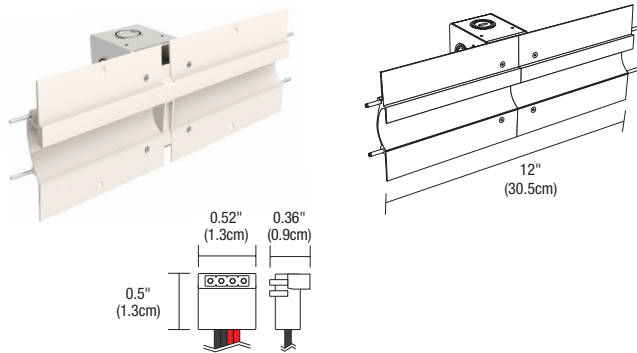


B90 Connector Included

### END FEED POWER CHANNEL CONNECTOR

Allows 24VDC power to be fed from the end of the channel. LED Strip (not included) may be installed flat or on the side of the channel. Includes 6" of Channel, Lens, and Channel Joiners, Junction Box, Adjustable Mounting Bars, Take up box, and pinned power cable.

System	Component	Option
<b>RV</b>	<b>EP</b>	<b>BLANK</b>
RV Reveal	EP End Feed Power Channel Connector	<b>RGBW</b> Red, Green, Blue and White <b>RGBTW</b> Red, Green, Blue and Tunable White *Leave blank for all other color temperatures



B90 Connector Included

### CENTER FEED POWER CHANNEL CONNECTOR

Allows 24VDC power to be fed from the left or right of center of the channel. LED Strip (not included) may be installed flat or on the side of the channel. Includes 12" of Channel, Lens, Mounting Straps, and Channel Joiners, Junction Box, Adjustable Mounting Bars, End Cap, and pinned power cable. 90° flexible connector for side mounting, and a 3" flexible blank connector also included.

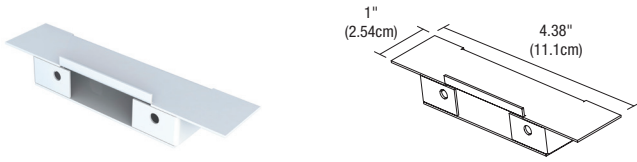
System	Component	Option
<b>RV</b>	<b>CP1</b>	<b>BLANK</b>
RV Reveal	<b>CP1</b> Center Feed Power Channel Connector; One Power Feed <b>CP2</b> Center Feed Power Channel Connector; Two Power Feeds	<b>RGBW</b> Red, Green, Blue and White <b>RGBTW</b> Red, Green, Blue and Tunable White *Leave blank for all other color temperatures

# REVEAL COVE & PATHWAY

24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM

REV.01.21.25

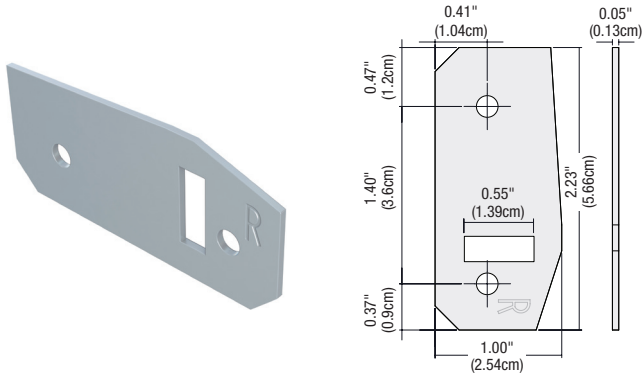
## ADDITIONAL COMPONENTS



### TAKE-UP BOX

Take-Up Box prevents dark spots at end of run and houses excess LED Strip. LEDs not included. For Replacement Only.

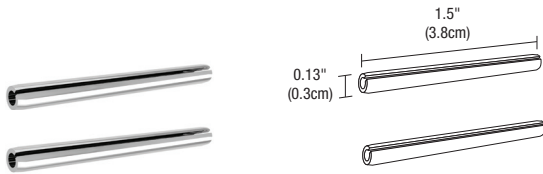
System	Component
<b>RV</b>	<b>TBOX</b>
RV Reveal	TBOX Take-Up Box



### DEAD END CAP PLATE

Provides a finished look and prevents light leak at feed-end of run where LED Strip exits channel. For Replacement Only.

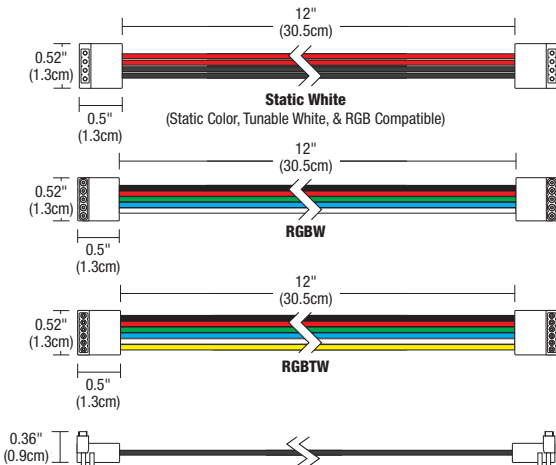
System	Type	Finish
<b>RV</b>	<b>DCA</b>	<b>WH</b>
RV Reveal	DCA Dead End Cap	WH White



### CHANNEL JOINERS

Ships as a pair to connect two channels together. Channel, Channel Connectors, and Power Feeds include Channel Joiners. Additional Channel Joiners may be necessary based on lighting design.

System	Type
<b>RV</b>	<b>SC</b>
RV Reveal	SC Straight Connector



### 2XB90 CONNECTORS

Dual ended 90° connector. Included with end power component, the ordering code below is to be used for replacement purposes only.

System	Type	Color Temperature Options
<b>SS</b>	<b>2XB90</b>	<b>BLANK</b>
SS Soft Strip	2XB90 2-Sided 90° Power Feed Connector	<b>RGBW</b> Red, Green, Blue and White <b>RGBTW</b> RGBTW (RGB + Tunable White 1500K-6500K) *Leave blank for Static White, Static Color, Tunable White and RGB

PROJECT	FIXTURE TYPE	DATE
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# REVEAL COVE & PATHWAY

24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM

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## INSTALLATION



**A. DIMMER OR SWITCH**

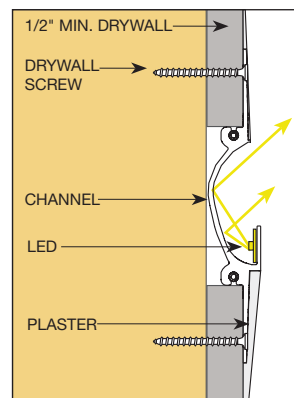
**B. 120VAC WIRING TO 120V/24VDC REMOTE POWER SUPPLY, FOR IN-WALL MOUNTING KIT**


**C. 24VDC, CLASS 2 WIRING**

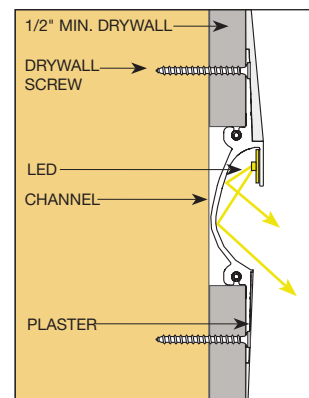
**D. POWER FEED END CAP WITH 1RE JUNCTION BOX**


**E. TAKE-UP BOX**

**F. REVEAL CHANNEL**




 Direction of Light  
 Cove Up-Light




 Direction of Light  
 Pathway Down-Light

PROJECT		FIXTURE TYPE		DATE	
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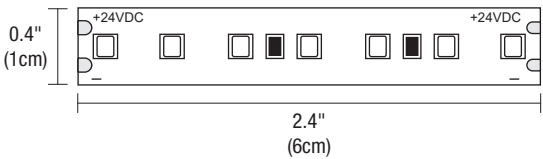


# STOMP STRIP, STATIC WHITE

## 24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24



Our Low Voltage LED strips are highly durable, designed to withstand the harsh elements of a job site, and precision engineered to provide superior color rendering up to 92+ CRI. Both Stomp Strip and Soft Strip are used for our **DIY** (Do-it-Yourself) fixtures and systems.

### FEATURES & BENEFITS

- Offered with pin connectors reducing time and labor during installation
- Developed to meet popular demand for resilient performance without sacrificing output, color rendering and efficacy
- Tolerance: Created to resist damage in rigorous environments such as busy commercial jobsites
- Compact LED spacing: Produces uniform light distribution without visible diodes or hot spots when used within a diffused lens
- 4oz Layer of Copper Busbar: Provides superior heat dissipation and less voltage drop equivalent to 14AWG wire
- Premium Coating: Optically Clear Silicone prevents fading over time
- Mounting: Industrial 3M tape lined strip for strong, self-adhesion to most smooth, finished surfaces
- Suitable for indoor damp locations
- Warranty: Includes a 5-year pro-rated warranty

### MAXIMUM LENGTHS BEFORE RE-FEEDING

- 2WDC, 2.5 watts per foot - 40'
- 5WDC, 4.4 watts per foot - 20'
- 7WDC, 7.3 watts per foot - 12'

### LAMP

- Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K
- Average life: 50,000 hours

### SPECIFICATIONS

- 24VDC
- 2.5, 4.4, or 7.3 watts per foot
- Sold in 1' increments
- Field-cutable in 2.4" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

### REMOTE POWER SUPPLIES\*, DIMMING & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

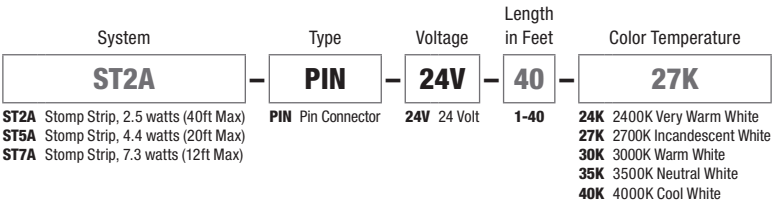
- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies](#) & [Controls](#)
- [UNI Driver: Universal Dimming \(ELV, TRIAC, 0-10V\)](#)
- [ELV & TRIAC Smart Dimmer & Switch](#)
- [DALI/DALI-2](#)
- [Lutron Hi-Lume/Ecosystem](#)

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

### APPROVALS

Class 2 Wiring up to 100 watts, Indoor Damp Location Suitable, RoHS, ETL listed.

NOMINAL LAMP DATA	ST2A					ST5A					ST7A				
WATTS PER FOOT	2.5W					4.4W					7.3W				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	284	287	299	343	362	525	531	553	634	669	811	820	854	980	1033
LUMENS PER WATT (lm/w)	114	115	120	137	145	119	121	126	144	152	111	112	117	134	142
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+



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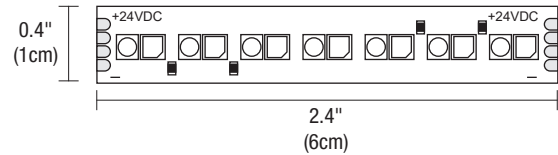


# STOMP STRIP, TUNABLE WHITE

## 24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24



### CAN'T STOMP ME OUT

Our Low Voltage Tunable White Stomp Strip is highly durable, designed to withstand the harsh elements of a job site, and precision engineered to provide superior color rendering up to 94+ CRI. Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). Tunable white lighting visually, biologically and emotionally contributes to human interaction with the physical world. Human centric lighting (HCL) builds on this technology bringing the dynamics of natural daylight indoors, and delivering a positive effect on human health, well-being and performance. Stomp Strip is used for our **DIY** (Do-it-Yourself) fixtures and systems.

### FEATURES & BENEFITS

- Offered with pin connectors reducing time and labor during installation
- Developed to meet popular demand for resilient performance without sacrificing output, color rendering and efficacy
- Tolerance: Created to resist damage in rigorous environments such as busy commercial jobsites
- Compact LED spacing: Produces uniform light distribution without visible diodes or hot spots when used within a diffused lens
- 4oz Layer of Copper Busbar: Provides superior heat dissipation and less voltage drop equivalent to 14AWG wire
- Premium Coating: Optically Clear Silicone prevents fading over time
- Mounting: Industrial 3M tape lined strip for strong, self-adhesion to most smooth, finished surfaces
- Suitable for indoor damp locations
- Warranty: Includes a 5-year pro-rated warranty

### LAMP

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Average life: 50,000 hours

### SPECIFICATIONS

- 24VDC
- 2.5, 4.6, or 7.5 watts per foot
- Sold in 1' increments
- Field-cuttible in 2.4" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

### REMOTE POWER SUPPLIES\*, DIMMING & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies & Controls](#)
- [0-10V](#) Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)
- [DALI/DALI-2](#)

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

### MAXIMUM LENGTHS BEFORE RE-FEEDING

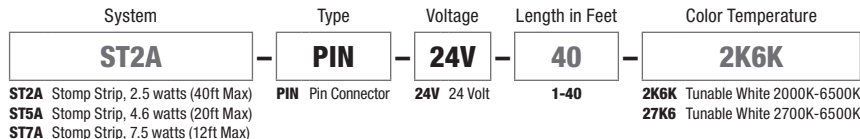
- 2WDC, 2.5 watts per foot - 40'
- 5WDC, 4.6 watts per foot - 20'
- 7WDC, 7.5 watts per foot - 12'

### APPROVALS

Class 2 Wiring, Indoor Damp Location Suitable, RoHS, ETL listed.

NOMINAL LAMP DATA	ST2A 2K6K									ST5A 2K6K									ST7A 2K6K								
WATTS PER FOOT	2.5 Watts									4.6 Watts									7.5 Watts								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	152	154	156	158	160	165	180	194	208	368	383	398	413	428	458	491	496	500	512	536	560	584	608	656	691	698	705
LUMENS PER WATT (lm/w)	82	77	78	79	80	82	90	97	115	80	80	83	86	89	95	102	103	109	80	74	78	81	84	91	96	97	110
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+

NOMINAL LAMP DATA	ST2A 27K6								ST5A 27K6								ST7A 2K6K							
WATTS PER FOOT	2.5 Watts								4.6 Watts								7.5 Watts							
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K			
LUMENS PER FOOT (lm/ft)	164	195	201	206	225	242	231	411	420	436	452	447	443	442	555	567	589	610	603	598	596			
LUMENS PER WATT (lm/w)	82	78	80	82	90	97	115	103	91	95	98	97	96	110	87	79	82	85	84	83	93			
CRI	94+	93+	92+	92+	92+	92+	91+	94+	93+	92+	92+	92+	92+	91+	94+	93+	92+	92+	92+	92+	91+			



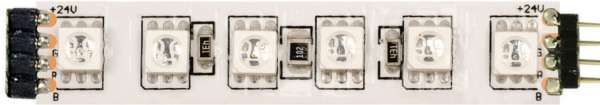
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# SOFT STRIP, RGB

## 24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24



0.47"  
(12mm)



### DESCRIPTION

PureEdge RGB Soft Strip provides dynamic color effects with red, green and blue LEDs. Our color-changing LED strip provides bright, continuous light offered in two wattage options of 3 or 5 watts per foot. PureEdge's focus on chromacity quality provides a balanced output across the color gamut, allowing the creation of millions of beautiful colors. The flexible strip is sold in 1 foot increments. RGB Soft Strip can be controlled using a compatible 24 volt DC power supply with an integrated RGB DMX driver. Includes a flexible aluminum heat sink to extend LED life. Both Stomp Strip and Soft Strip are used for our **DIY** (Do-it-Yourself) fixtures and systems.

### SPECIFICATIONS

- 24VDC, Class 2
- Power Consumption: 2.6 or 5 watts per foot
- Maximum Lengths Before Re-feeding: SS3- 36', SS5- 20'
- Sold in 1' increments
- Field-cutttable in increments: SS3- 4" SS5- 2.4"
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

### MAXIMUM LENGTHS BEFORE RE-FEEDING

SS3, 2.6 watts per foot - 36'  
SS5, 5 watts per foot - 20'

### MOUNTING

Self-adhering SS6 mounts to most smooth finished surfaces with industrial strength 3M tape (provided on back of strip); some unfinished surfaces may require screw-in mounting clips **SS-MCL** (sold separately).

### LAMP

- RGB: Dynamic Red, Green, and Blue
- Wattage options: 3 or 5 watts
- 50,000 Hour Lamp Life

### ACCESSORIES (SOLD SEPARATELY)

- 24VDC Power Connectors and Jumpers
- Flexible Connectors
- Mounting Straps & Clips

### REMOTE POWER SUPPLIES\*, DIMMING & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

- [Home Integration Solutions](#)
- [DMX & Controls](#)
- [DALI/DALI-2](#)

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

### APPLICATIONS

Designed for any Indoor space, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

### APPROVALS

Class 2 Wiring, Indoor Damp Location Suitable, RoHS, ETL listed.

System	Type	Voltage	Length in Feet	Color Temperature
<b>SS3</b>	<b>PIN</b>	<b>24V</b>	<b>36</b>	<b>RGB</b>
<b>SS3</b> Soft Strip 2.6 watts per foot (max 36')	<b>PIN</b> Pin Connector	<b>24V</b> 24 Volt	<b>1-36</b> Sold in 1 ft. increments	<b>RGB</b> Dynamic Color Red, Green, and Blue
<b>SS5</b> Soft Strip 5 watts per foot (max 20')				

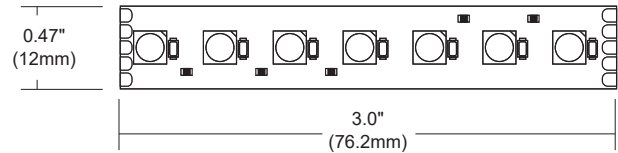
PROJECT		FIXTURE TYPE		DATE	
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# SOFT STRIP, RGB+WHITE

## 24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24



### DESCRIPTION

PureEdge's RGB+White Soft Strip (**SS6**) provides dynamic color effects with red, green, blue plus white. Now offered with four choices of White; 2000K and special order in 2700K, 3000K, and 4000K. Our color-changing LED strip provides bright, continuous light, our focus on chromacity quality provides a balanced output across the color gamut, allowing the creation of millions of beautiful colors and pure white. The flexible strip is sold in 1 foot increments up to 16 ft with cutting increments every 3 inches. At 6.3 watts per foot, RGB+W can be controlled using a compatible 24 volt DC power supply with an integrated RGB DMX driver. SS6 includes a flexible aluminum heat sink to extend LED life. Includes 5 year pro-rated warranty.

### SPECIFICATIONS

- 24VDC, Class 2
- Power Consumption: 6.3 watts per foot
- Maximum Length Before Re-feeding: 16'
- Sold in 1' increments
- Field-cutttable in 3" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

### MOUNTING

Self-adhering SS6 mounts to most smooth finished surfaces with industrial strength 3M tape (provided on back of strip); some unfinished surfaces may require screw-in mounting clips **SS-MCL** (sold separately).

### LAMP

- RGB+W: Dynamic Red, Green, Blue plus 2000K White
- Special order in 2700K, 3000K, and 4000K
- 50,000 Hour Lamp Life

### REMOTE POWER SUPPLIES\*, DIMMING & CONTROLS (SOLD SEPARATELY)

24VDC, CLASS 2 WIRING

- [Home Integration Solutions](#)
- [DMX & Controllers](#)
- [DALI/DALI-2](#)

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

### ACCESSORIES (SOLD SEPARATELY)

- 24VDC Power Connectors and Jumpers
- Flexible Connectors
- Mounting Straps & Clips

### APPLICATIONS

Designed for any Indoor space, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

### APPROVALS

Class 2 Wiring, Indoor Damp Location Suitable, RoHS, ETL listed.

System	Type	Voltage	Length in Feet	Color Temperature
<b>SS6</b>	<b>PIN</b>	<b>24V</b>	<b>16</b>	<b>RGB20K</b>
SS6 Soft Strip 6.3 watts per foot	PIN Pin Connector	24V 24 Volt	1-16 Sold in 1 ft. increments	<b>RGB20K</b> Red, Green, Blue + White 2000K <b>RGB27K</b> Red, Green, Blue + White 2700K <b>Special Order</b> <b>RGB30K</b> Red, Green, Blue + White 3000K <b>Special Order</b> <b>RGB40K</b> Red, Green, Blue + White 4000K <b>Special Order</b>

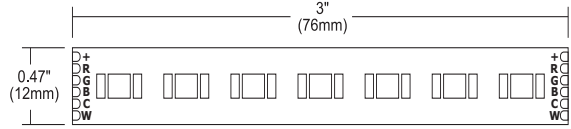
PROJECT		FIXTURE TYPE		DATE	
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# TRUCOLOR™ RGB & TUNABLE WHITE LED STRIP

24VDC, 5 CHANNEL CONTROL, WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

REV 12.02.24



## DESCRIPTION

PureEdge Pure Smart **TruColor™** technology uses five channels of tunable LEDs, composed of **RGBTW** red, blue, green, and Tunable White (**1500K-6500K**). With our precision-engineered, proprietary color mixing, we produce one of the widest, most accurate spectrums available, giving our customers access to the warm glow of the sunset (1500K-2400K golden hour) to the pure white light of the mid-day sun (5700K) and everything in between. **TruColor™** LED's achieve an average CRI-Color Rendering Index of 94+ and a Duv of +-0.0021 in relation to the blackbody curve at any point on the spectrum of tunable white CCT. Dynamic Color Changing functionality provides millions of possibilities for intricate customization, rich saturated or secondary colors, and unprecedented ease of installation, making **RGBTW** the ideal choice for residential and commercial applications. **TruColor™ RGBTW** adds more than just decorative flexibility; it also helps to support a healthy Circadian Rhythm and well-being. Let **TruColor™** transform your space and the people within it. 24VDC Remote Power Supplies required.

## FEATURES & BENEFITS

- State-of-the-Art **TruColor™** (1500K-6500K) spectrum offers dynamic effects with RGB and Tunable White
- Optimized for use with WiZ Pro wire control ecosystem and Pure Smart Wi-Fi Room Controller.
- Offered with pin connectors reducing time and labor during installation
- Dims from full brightness down to 5%, and tuned anywhere from 1500K to 6500K.
- Developed to meet popular demand for resilient performance without sacrificing output, color rendering, CCT range, spectrum accuracy, or efficacy.
- Tolerance: Created to resist damage in rigorous environments such as busy commercial jobsites
- Compact LED spacing: Produces uniform light distribution without visible diodes or hot spots when used within a diffused lens
- Three 1oz Layers of Copper Busbar per foot provides superior heat dissipation and less voltage drop equivalent to 14AWG wire
- Premium Coating: Optically Clear Silicone prevents fading over time
- Mounting: Industrial 3M tape lined strip for strong, self-adhesion to most smooth, finished surfaces
- Warranty: Includes a 5-year pro-rated warranty

## LUMEN PERFORMANCE

- **TruColor™ RGBTW** Red, Green, and Blue with Tunable White (**1500K-6500K**)
- S5W5 360lm/ft 5W @3000K
- S5W7 526m/ft 7W @3000K

## AVERAGE PERFORMANCE 2000K-5500K

- Average CRI: 94+
- Average DUV: +-0.002
- Average R9: 91, RG: 103, RF:93
- Average Life: 50,000 hours

## SPECIFICATIONS

- 24VDC
- S5W5: 5W RGB & 5W Tunable White
- S5W7: 5W RGB & 7W Tunable White
- Sold in 1' increments
- Field-cutttable in 3" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

## MAXIMUM LENGTHS BEFORE RE-FEEDING

- S5W5 – Pure Smart™ WiZ Pro: 20ft
- S5W7 – Pure Smart™ WiZ Pro: 12ft

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

24VDC, Class 2 wiring

- [Home Integration Solutions](#)
- [Pure Smart™ WiZ Pro Power Supplies](#)
- [Pure Smart™ Wi-Fi Controllers](#)

Features ON/OFF buttons, CCT and brightness control as well as four preset/custom scenes programmable in the WiZ app. Communicates via 2.4GHz Wi-Fi. No Hub needed. Voice control with Goggle Assistant, Alexa, Siri, Shortcuts, and IFTTT

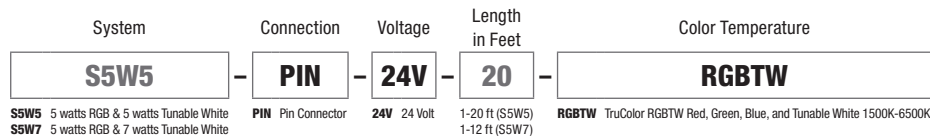
## APPLICATIONS

Designed for indoor use only. Ideal applications for residential, commercial, hospitality environments, and general human centric lighting.

## APPROVALS

Class 2 Wiring up to 100 watts, Indoor Damp Location, ETL listed, RoHS.

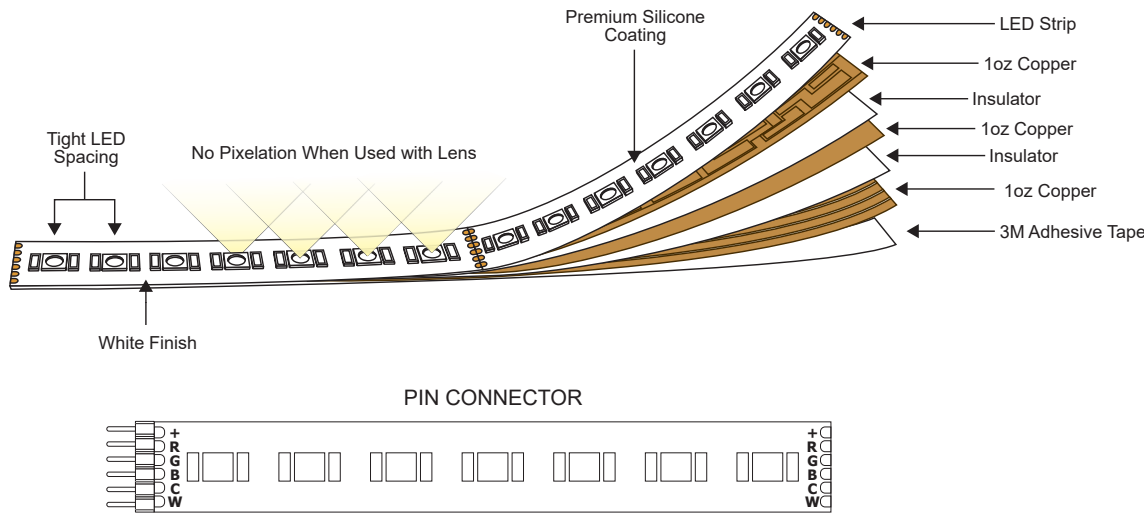
NOMINAL LAMP DATA																			
WATTS PER FOOT	S5W5 5W RGB & 5W TUNABLE WHITE										S5W7 5W RGB & 7W TUNABLE WHITE								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	
LUMENS PER FOOT (lm/ft)	171	256	311	349	360	380	410	288	265	211	352	452	513	526	554	543	319	289	
LUMENS PER WATT (lm/w)	63	56	71	82	85	87	98	98	111	63	91	73	86	86	90	93	92	96	
CRI	91+	93+	94+	94+	95+	96+	97+	92+	89+	93+	95+	96+	97+	97+	98+	97+	95+	92+	
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063	-0.003	0.0002	0.003	0.003	0.003	0.0009	0	0.003	0.003	
Rf	91	93	94	94	95	94	94	92	90	92	93	95	95	95	95	94	92	91	
Rg	105	101	103	105	104	102	100	102	103	104	100	102	103	103	101	100	102	103	
R9	90	90	90	94	97	97	91	81	70	91	90	90	94	95	93	93	79	67	
R13	92	94	95	95	94	96	99	90	87	92	95	96	96	97	99	99	91	88	
R15	99	99	99	98	97	97	97	89	85	99	99	99	99	99	98	97	90	85	
WIZ PRO WATTS/FOOT	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.4	3.35	3.85	6.15	5.95	6.15	6.15	5.84	3.45	3	



PROJECT		FIXTURE TYPE		DATE	
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# TRUCOLOR™ RGB & TUNABLE WHITE LED STRIP

24VDC, 5 CHANNEL CONTROL



S5W5 WATTS PER FOOT			
LENGTH IN FEET	RGB Wattage	Tunable White Wattage	Pure Smart™ WiZ Pro Wattage
1	5	5	5
2	10	10	10
3	15	15	15
4	20	20	20
5	25	25	25
6	30	30	30
7	35	35	35
8	40	40	40
9	45	45	45
10	50	50	50
11	55	55	55
12	60	60	60
13	65	65	65
14	70	70	70
15	75	75	75
16	80	80	80
17	85	85	85
18	90	90	90
19	95	95	95
20	100	100	100

S5W7 WATTS PER FOOT			
LENGTH IN FEET	RGB Wattage	Tunable White Wattage	Pure Smart™ WiZ Pro Wattage
1	5	7	7
2	10	14	14
3	15	21	21
4	20	28	28
5	25	35	35
6	30	42	42
7	35	49	49
8	40	56	56
9	45	63	63
10	50	70	70
11	55	77	77
12	60	84	84

# SOFT STRIP, MONOCHROMATIC COLOR

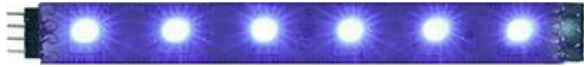
## 24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

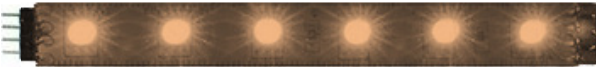
REV 12.02.24



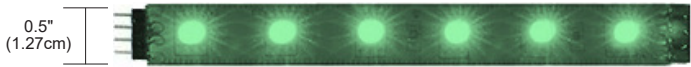
RRR - Red



BBB - Blue



AAA - Amber



GGG - Green

0.5"  
(1.27cm)

4"  
(10.16cm)

### DESCRIPTION

PureEdge Monochromatic Color Soft Strip provides dynamic color effects with monochromatic color LEDs. Offered in Red, Amber, Blue, and Green. The 1/2" wide flexible copper strip, with an optically clear protective coating, is sold in 1ft increments up to 36 ft with cutting increments every 4 inches. Self-adhering, our strip mounts to most smooth finished surfaces with the industrial strength 3M tape on the back. Our Soft Strip is used for our **DIY** (Do-it-Yourself) fixtures and systems. Includes 5 year warranty.

### SPECIFICATIONS

- 24VDC, Class 2
- Power Consumption: 2.6 or 5 watts per foot
- Sold in 1' increments
- Field-cuttable in 4" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

### MOUNTING

Industrial 3M tape lines back of strip for self-adhesion to most smooth finished surfaces. Additional Connectors, Mounting Straps, and Clips may be needed for some applications (sold separately).

### ACCESSORIES (SOLD SEPARATELY)

- 24VDC Power Connectors and Jumpers
- Flexible Connectors
- Mounting Straps & Clips

### LAMP

- Monochromatic Red, Amber, Blue, and Green
- 18 LEDs per foot
- 50,000 Hour Lamp Life

### MAXIMUM LENGTHS BEFORE RE-FEEDING

- 3WDC, 2.6 watts per foot - 36'
- 5WDC, 5 watts per foot - 20'

### REMOTE POWER SUPPLIES\*, DIMMING & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(ELV, TRIAC, 0-10V\)](#)  
ELV & TRIAC [Smart Dimmer & Switch](#)
- [Lutron](#) Hi-Lume/Ecosystem
- [DALI/ DALI 2](#)

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

### APPLICATIONS

Indoor and damp locations. Applications include coves, toe-kicks, under cabinets and shelving, bookcases, drawers, pathways, accent lighting, task lighting, and general illumination.

### APPROVALS

Class 2 Wiring up to 100 watts, Indoor Damp Location Suitable, RoHS, ETL listed.

System	Type	Voltage	Length In Feet	Color Temperature
<b>SS3</b>	<b>PIN</b>	<b>24V</b>	<b>36</b>	<b>AAA</b>
SS3 Soft Strip Commercial Grade, 2.6 watts per foot (max 36')	PIN Pin Connector	24V 24 Volt	1-36 1-36 feet	AAA Amber BBB Blue GGG Green RRR Red
SS5 Soft Strip Commercial Grade, 5 watts per foot (max 20')				

PROJECT		FIXTURE TYPE		DATE	
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# REVEAL COVE & PATHWAY

## 24VDC, DO-IT-YOURSELF PLASTER-IN LED SYSTEM

### NOMINAL DELIVERED LUMENS

	ST2A					ST5A								ST7A				
WATTS PER FOOT	2.5W					4.4W (*4.8W Warm Dim)								7.5W				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	27D*	30K	30D*	35K	40K	24K	27K	30K	35K	40K	
LUMENS PER FOOT (lm/ft)	134	135	141	162	171	248	250	286	261	298	299	316	383	387	403	462	487	
LUMENS PER WATT (lm/w)	54	54	56	65	68	56	57	60	59	62	68	72	52	53	55	63	67	
CRI	92+	92+	92+	92+	92+	92+	92+	94+	92+	94+	92+	92+	92+	92+	92+	92+	92+	

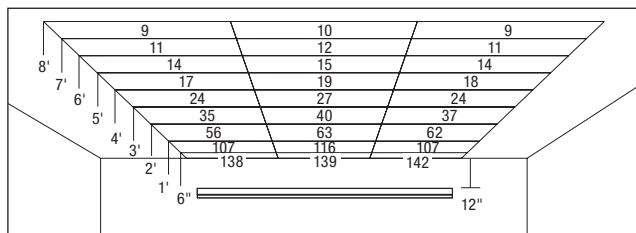
\*27D, 30D - Warm Dim (4.8 Watts)

	ST2A 2K6K (2000K-6500K)										ST5A 2K6K (2000K-6500K)										ST7A 2K6K (2000K-6500K)									
WATTS PER FOOT	2.5W										4.6W										7.5W									
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K			
LUMENS PER FOOT (lm/ft)	78	92	95	97	106	114	109	194	198	206	213	211	209	208	262	268	278	288	284	282	281	463	476	490	504	485	480			
LUMENS PER WATT (lm/w)	42	46	47	49	53	57	90	97	110	45	44	44	44	43	54	56	58	63	44	39	39	64	66	68	70	67	75			
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+			

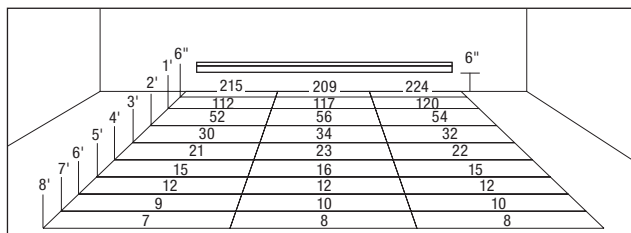
	ST5A 27K6 (2700K-6500K)								ST7A 27K6 (2700K-6500K)							
WATTS PER FOOT	4.6W								7.3W							
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K		20K	24K	30K	35K	40K	57K	65K	
LUMENS PER FOOT (lm/ft)	78	92	95	97	106	114	109		194	198	206	213	211	209	208	
LUMENS PER WATT (lm/w)	19	20	21	21	23	25	27		30	28	29	30	29	29	33	
CRI	92+	92+	92+	95+	93+	93+	93+		92+	92+	92+	95+	93+	93+	93+	

	REVEAL COVE																	
DESCRIPTION	5W5 5W RGB & 5W TUNABLE WHITE									5W7 5W RGB & 7W TUNABLE WHITE								
WATTS PER FOOT	5W Maximum									7W Maximum								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	81	121	147	165	170	179	194	136	125	100	166	213	242	248	261	256	150	136
LUMENS PER WATT (lm/w)	30	27	34	39	40	41	46	46	52	30	43	35	41	40	42	44	44	45
CRI	92	94	95	95	96	97	97	92	90	93	95	96	97	97	98	97	95	93
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063	-0.003	0.0002	0.003	0.003	0.003	0.0009	0	0.003	0.003
Rf	90	90	90	94	97	97	91	81	70	91	90	90	94	95	93	93	79	67
Rg	91	93	94	94	95	94	94	92	90	92	93	95	95	95	95	94	92	91
R9	105	101	103	105	104	102	100	102	103	104	100	102	103	103	101	100	102	103
R13	92	94	95	95	94	96	99	90	87	92	95	96	96	97	99	99	91	88
R15	99	99	99	98	97	97	97	89	85	99	99	99	99	99	98	97	90	85
WATTS/FOOT	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.4	3.35	3.85	6.15	5.95	6.15	6.15	5.84	3.45	3

REVEAL COVE FOOT CANDLE DISTRIBUTION  
SHOWN WITH 5 WATT, 3000K VERSION



REVEAL PATHWAY FOOT CANDLE DISTRIBUTION  
SHOWN WITH 2.5 WATT, 3000K VERSION



PROJECT		FIXTURE TYPE		DATE	
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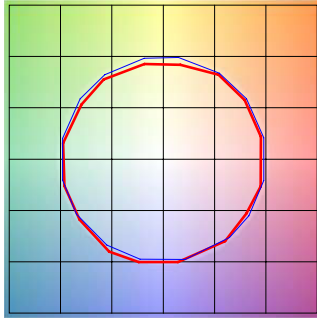
# TM30 DATA

## 24VDC WITH PINS & SOLDERED LEADS

**TM-30-15 DATA:** The data below is for bare LED Static White 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.

**2400K** | Rf: 84.5 | Rg: 94.4

Color Vector Graphic

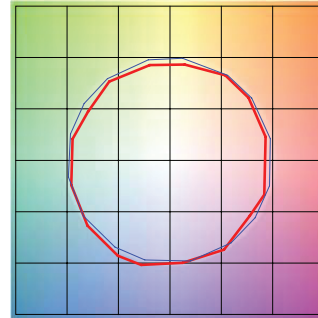


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92	-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	-0.6%	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

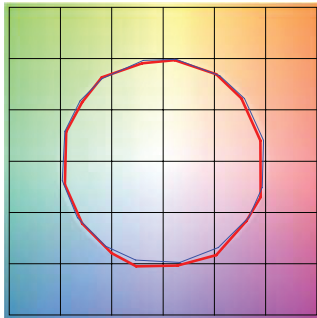


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

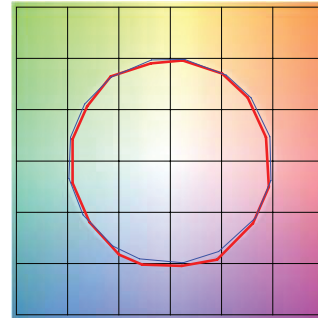


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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

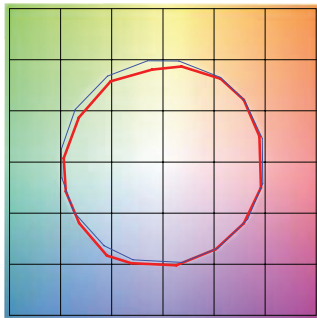


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		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%

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

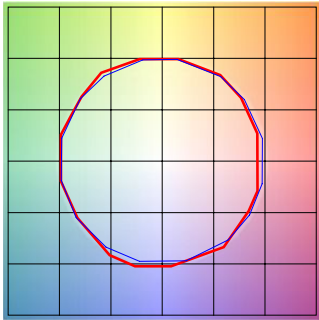
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT		FIXTURE TYPE		DATE	
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TM30 DATA
24VDC WITH PINS & SOLDERED LEADS

TM-30-15 DATA: The data below is for bare LED Warm Dim 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.

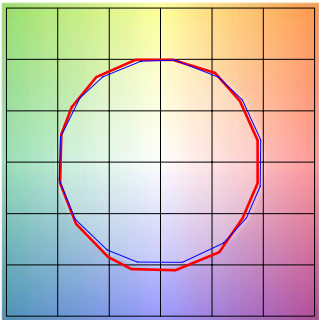
2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 2700D.

3000D | Rf: 90.6 | Rg: 101.1
Color Vector Graphic



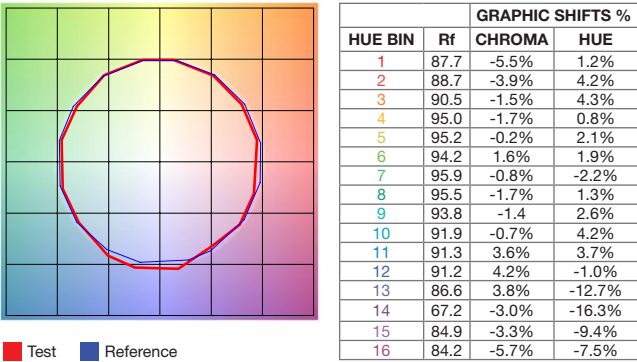
Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 3000D.

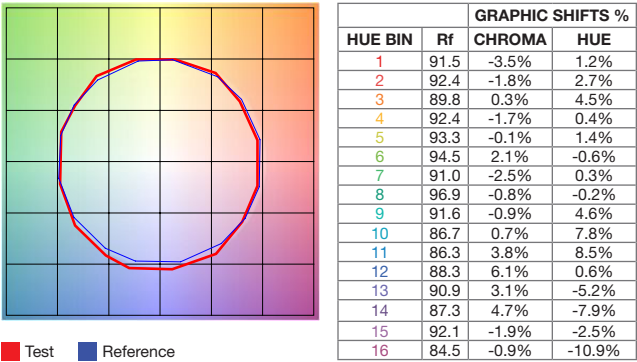
TM30 DATA
24VDC WITH PINS & SOLDERED LEADS

TM-30-15 DATA: The data below is for Tunable White bare LED 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.

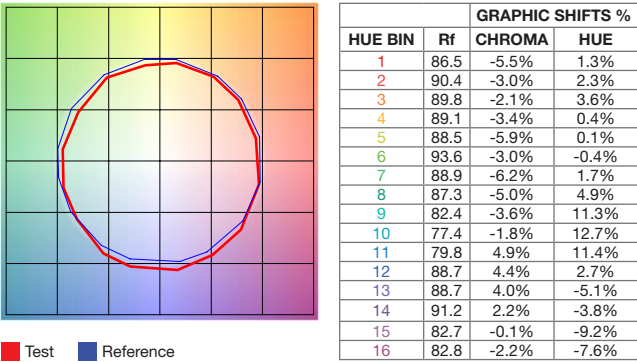
2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic



3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic



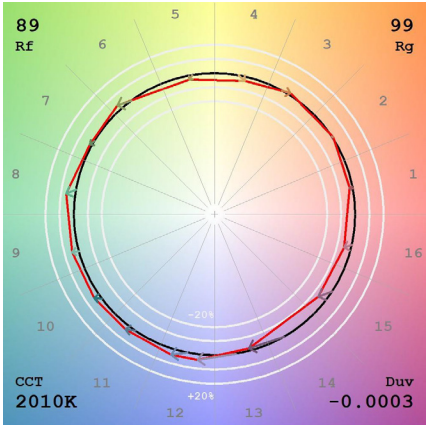
4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic



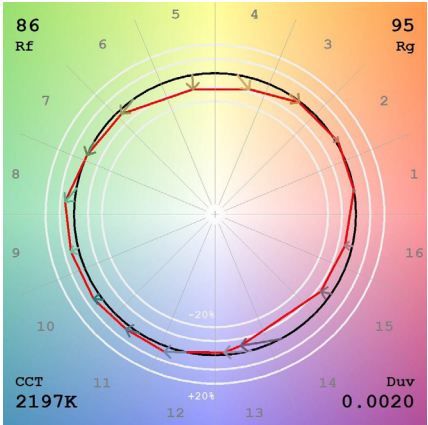
TM30 DATA  
24VDC WITH PINS & SOLDERED LEADS

TM-30-15 DATA: The data below is for Pure Smart TruColor™ RGBTW Lamps.

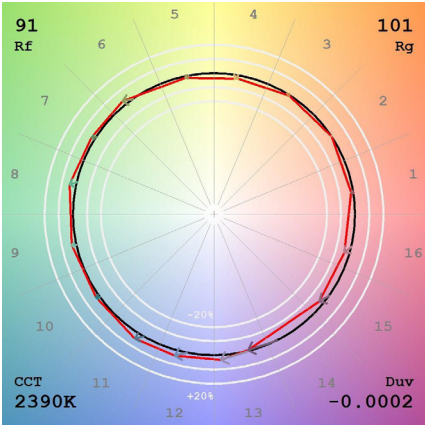
2000K (TruColor™ RGBTW)  
View Angle: 2 Deg



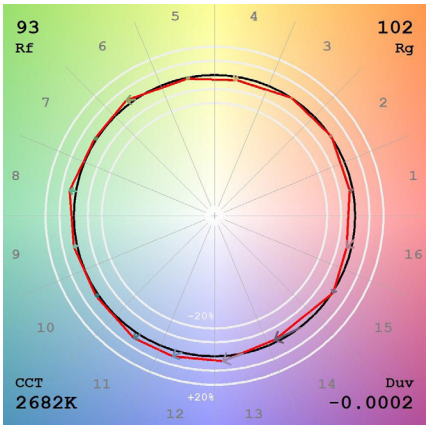
2200K (TruColor™ RGBTW)  
View Angle: 2 Deg



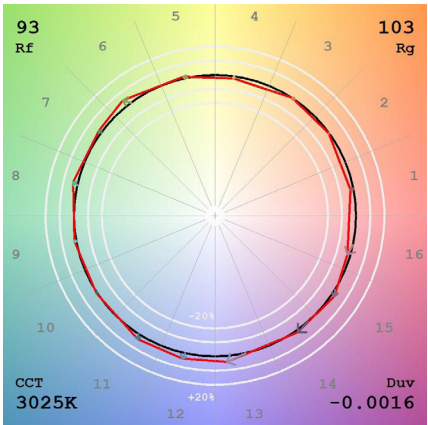
2400K (TruColor™ RGBTW)  
View Angle: 2 Deg



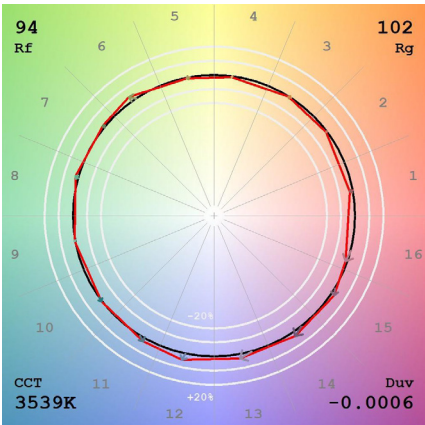
2700K (TruColor™ RGBTW)  
View Angle: 2 Deg



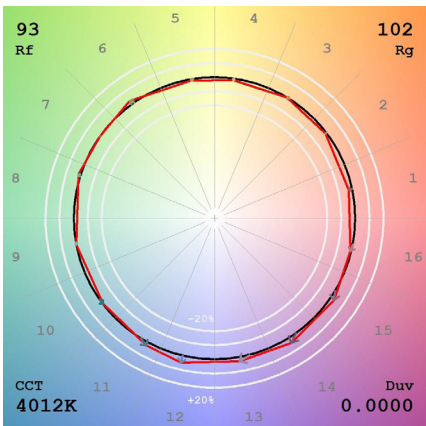
3000K (TruColor™ RGBTW)  
View Angle: 2 Deg



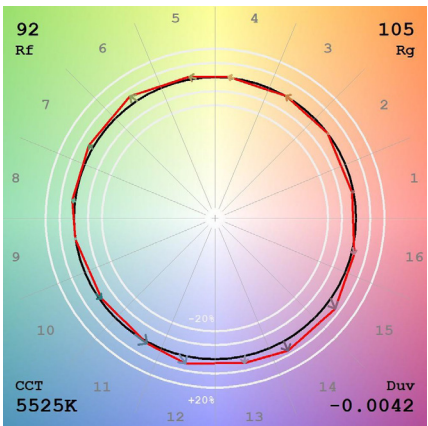
3500K (TruColor™ RGBTW)  
View Angle: 2 Deg



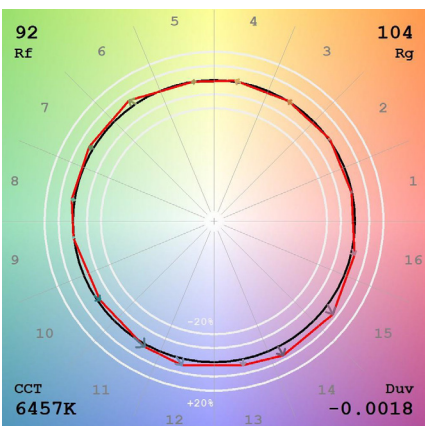
4000K (TruColor™ RGBTW)  
View Angle: 2 Deg



5700K (TruColor™ RGBTW)  
View Angle: 2 Deg



6500K (TruColor™ RGBTW)  
View Angle: 2 Deg



PROJECT		FIXTURE TYPE		DATE	
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