LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
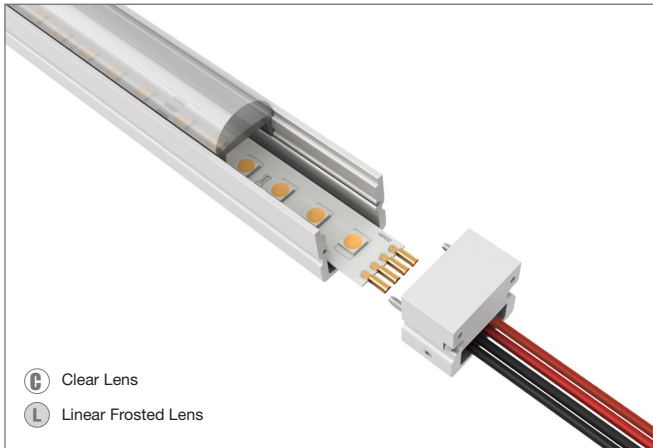## 24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

PURE EDGE
LIGHTING

C Clear Lens
L Linear Frosted Lens

C LCMG.6 Light Channel 7° Clear Lens

L LCMG.6 Light Channel 20° Linear Frosted Lens

DESCRIPTION

PureEdge Lighting's DIY (Do-It-Yourself) Light Channel Micro Grazer brings to life textural walls, panels, masonry, undulating tiles and so much more. Our slim, aluminum channel extrusions, LED strips, and lenses are field-cuttable and ordered in various increments anywhere from 2 to 7 watts per foot. Offered in a broad range of wattages and Color Temperatures from **2400K** through **4000K**, Warm Dim (**27D** or **30D**), Pro-Dim (**27KPD** or **30KPD**), 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 1500K-6500K. Available with a diffused white, clear or gel filter lens. With it's combination of flexibility, customization, and lighting quality, the Light Channel Micro Grazer is an excellent choice for illuminating a wide range of textured applications. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com

FEATURES & BENEFITS
- 24VDC LED Stomp Strip is high performance, highly durable and designed to withstand the harsh elements of a job site, including stomping and twisting
- Gold Plated Contacts prevent oxidation ensuring longevity of the LEDs
- Tightly spaced diodes provide high performance and clean, uniform light distribution without pixelation when used with a diffused lens
- Cut and assemble in field
- Available with solderless pin connectors or with 6' soldered lead
- 24VDC LED Strip offers excellent color-rendering
- Slim aluminum channel extrusions, LED strips and lenses are easily cut and assembled in the field
- Available in various wattages from 2 to 7 watts per foot

LENS OPTIONS
- **(C)** Clear Lens provides maximum illumination, the 7° beam angle is ideal for creating dramatic grazing effects, LED diodes are visible.
- **(L)** Linear Frosted 20° Lens projects a softer grazing effect, with slight visible pixelation

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 1500K-6500K
- Average life: 50,000 hours

REQUIRED COMPONENTS (SOLD SEPARATELY)
- Light Channel .6 Micro Grazer and Lens (Mounting Clips included with every 2' of channel)
- End Caps (sold in pairs)
- 24VDC Light Channel Power Connector
- 24VDC LED Strip

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)
- Static White
- Warm Dim
- Pro Dim
- Tunable White
- RGB
- RGBW
- TruColor™ RGBTW
- Monochromatic

COMPLIANCE
*Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies, ETL, Class 2, Damp Location, Made in USA.
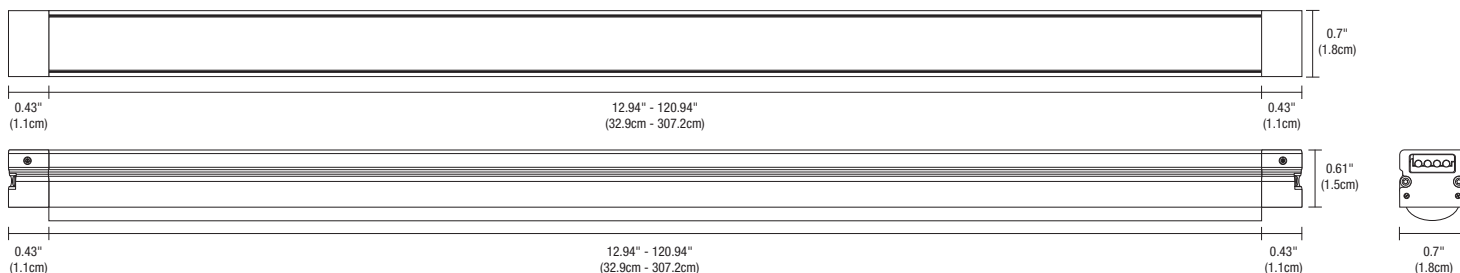
APPLICATIONS
Designed for indoor use only. Grazing effect for textured surfaces such as architectural wall panels, hallways, brick, stone, wood and more within residential, commercial, retail, and hospitality environments.

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW
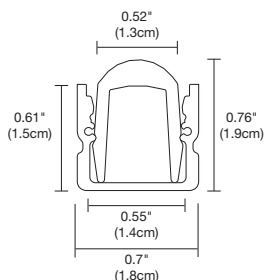
PURE EDGE LIGHTING

REV 01.20.25

0.7" (1.8cm)

0.43" (1.1cm) | 12.94" - 120.94" (32.9cm - 307.2cm) | 0.43" (1.1cm)

0.61" (1.5cm)

0.43" (1.1cm) | 12.94" - 120.94" (32.9cm - 307.2cm) | 0.43" (1.1cm) | 0.7" (1.8cm)

REQUIRED COMPONENTS: Select Light Channel .6 Micro Grazer option, End Caps and Power Connector based on lighting design.
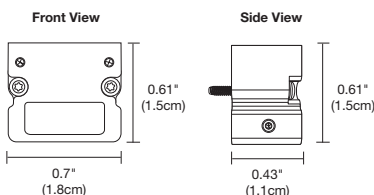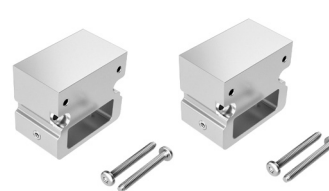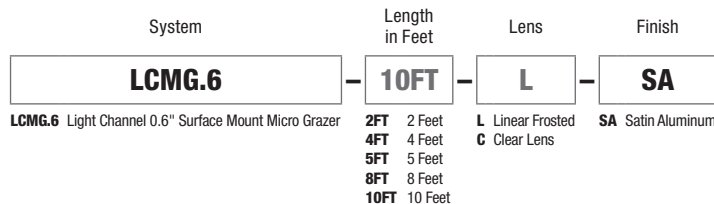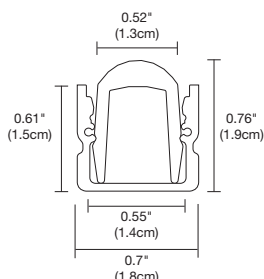
LIGHT CHANNEL .6 SURFACE MOUNT MICRO GRAZER

Start the ordering process by selecting the desired length and lens option. Then order the LED Strip, End Caps and Power Feed. The paintable aluminum channel with lens may be cut in the field, and may be joined together using the Light Channel solderless pin power connector. Mounting Clips are included with every 2 feet of channel, and also be ordered separately as replacement parts. The Clear Lens provides maximum illumination, the 7° beam angle is ideal for creating dramatic grazing effects, LED diodes are visible. The Linear Frosted 20° Lens projects a softer grazing effect, with slight visible pixelation.
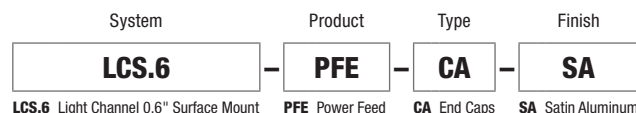
(C) LCMG.6 Light Channel 7° Clear Lens

0.52" (1.3cm)
0.61" (1.5cm) | 0.76" (1.9cm)
0.55" (1.4cm)
0.7" (1.8cm)

(L) LCMG.6 Light Channel 20° Linear Frosted Lens

0.52" (1.3cm)
0.61" (1.5cm) | 0.76" (1.9cm)
0.55" (1.4cm)
0.7" (1.8cm)

System	Length in Feet	Lens	Finish
LCMG.6	**10FT**	**L**	**SA**

| LCMG.6 Light Channel 0.6" Surface Mount Micro Grazer | **2FT** 2 Feet
4FT 4 Feet
5FT 5 Feet
8FT 8 Feet
10FT 10 Feet | **L** Linear Frosted
C Clear Lens | **SA** Satin Aluminum |

END CAPS

End Caps are sold in pairs and provide a finished look at the end of a run as well as hold the required power connector.

Front View | Side View
0.61" (1.5cm) | 0.61" (1.5cm)
0.7" (1.8cm) | 0.43" (1.1cm)

System	Product	Type	Finish
LCS.6	**PFE**	**CA**	**SA**
LCS.6 Light Channel 0.6" Surface Mount	PFE Power Feed	CA End Caps	SA Satin Aluminum

FOOT CANDLE CHARTS

| 30K 7° 5W CLEAR LENS ||| 30K 7° 7W CLEAR LENS ||| 30K 20° 5W FROSTED LENS ||| 30K 20° 7W FROSTED LENS |||
|---|---|---|---|---|---|---|---|---|---|---|---|
| DISTANCE | BEAM | FOOT CANDLE | DISTANCE | BEAM | FOOT CANDLE | DISTANCE | BEAM | FOOT CANDLE | DISTANCE | BEAM | FOOT CANDLE |
| 12in | 2in | 475 FC | 12in | 2in | 742 FC | 12in | 4in | 242 FC | 12in | 4in | 363 FC |
| 18in | 3in | 214 FC | 18in | 3in | 319 FC | 18in | 6in | 107 FC | 18in | 6in | 143 FC |
| 24in | 4in | 122 FC | 24in | 4in | 179 FC | 24in | 8in | 64 FC | 24in | 8in | 84 FC |
| 36in | 6in | 78 FC | 36in | 6in | 114 FC | 36in | 12in | 42 FC | 36in | 12in | 56 FC |

*Foot Candle Data is based off 4' channel.

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER

24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

WARM DIM TW RGB RGBW RGBTW Wi-Fi WiZ PRO

PURE EDGE
LIGHTING

REV 01.20.25

LIGHT CHANNEL .6 SURFACE MOUNT MICRO GRAZER DIY SYSTEM OVERVIEW: TRADITIONAL DIMMING, 0-10, DMX AND DALI
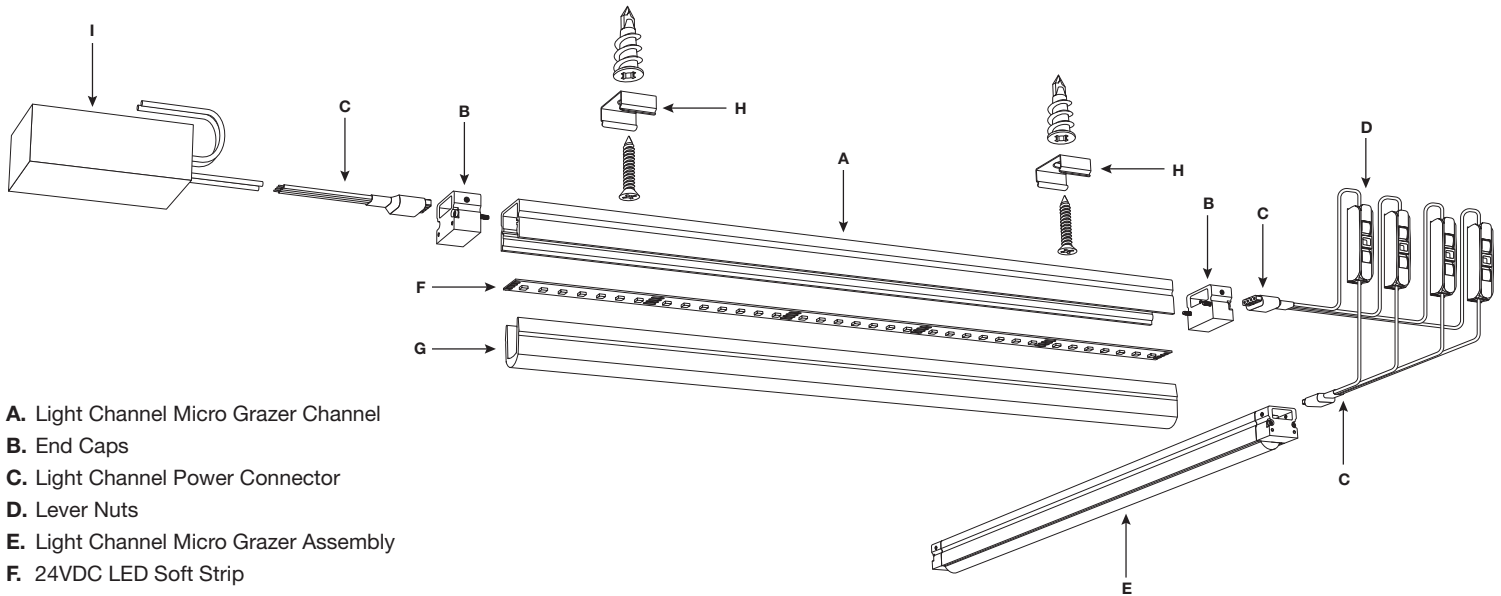

A. Light Channel Micro Grazer Channel

B. End Caps

C. Light Channel Power Connector

D. Lever Nuts

E. Light Channel Micro Grazer Assembly

F. 24VDC LED Soft Strip

G. Channel

H. Mounting Clips (Included Component with every 2 feet of channel)

I. Remote Power Supply

ACCESSORIES: Order based on lighting design or as replacement parts.

4RD-WH

Top

0.52"
(1.3cm)

4.6"
(11.7cm)

Profile

0.21"
(0.5cm)

0.62"
(1.6cm)

4.6"
(11.7cm)

3RE-WH

0.96"
(2.4cm)

2.78"
(7.1cm)

4.52"
(11.5cm)

0.26"
(0.7cm)

0.63"
(1.6cm)

CANOPY COVER & SPLICE BOX

Use for remote located power supply. The 3 inch rectangle or 4 inch round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.
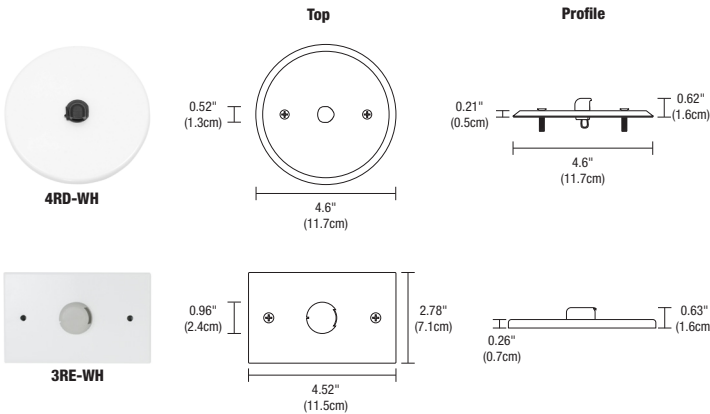
Product	Finish
3RE	**WH**

3RE 3" Rectangle Canopy Cover
4RD 4" Round Canopy Cover

WH White

JUNCTION BOX

Low voltage Splice Box with connectors.

Top

1.95"
(5cm)

2.57"
(6.5cm)

Profile

2.23"
(5.7cm)

4.2"
(10.7cm)
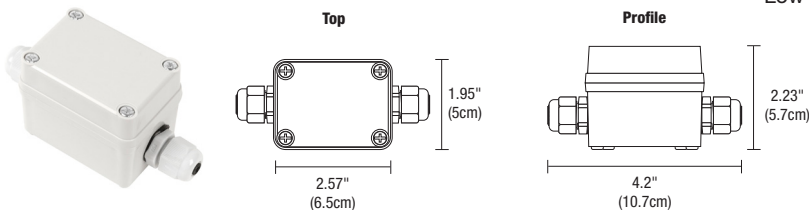
Product	Type	Option
2RE	**JBOX**	**W**

2RE 2" Rectangle | **JBOX** Junction Box | **W** Wet Location

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

WARM DIM TW RGB RGBW RGBTW Wi-Fi WiZ PRO

PURE EDGE LIGHTING

LIGHT CHANNEL 45° DIY SYSTEM OVERVIEW: WiZ

REV 01.20.25

2 Conductor Class 2, 14 AWG

CV BRIDGE BOX

4 Gang Junction Box
with Bridge Box

PSBR-96W-24VDC

96W Power Supply

Room Controller   Mobile App   Dashboard   Voice Control

A. Light Channel
B. End Caps
C. Light Channel Power Feed
D. Light Channel

E. 24VDC LED TC RGBTW Strip
F. Lens
G. Mounting Clips (Included Component with every 2' of channel)

NETWORK TOPOLOGY

SMART PHONE WiZ APP

DESKTOP/LAPTOP COMPUTER
WiZ PRO DASHBOARD

works with the Google Assistant
works with alexa
Works with IFTTT
Works with Siri Shortcuts
VOICE CONTROL

------ Wireless 2.4GHZ Wi-Fi
------ Direct Communication
—— Hardwired

WI-FI ROUTER

SETTINGS SAVED IN THE EVENT OF POWER LOSS

TRAVEL

PURE SMART REMOTE ROOM CONTROLLER
TOTALLY WIRELESS - BATTERY POWERED
CWR-TW-SCENE-WH

PURE SMART ROOM CONTROLLER
CWW-TW-SCENE-WH

PSBR-96W-24VDC
24VDC   120VAC
96W POWER SUPPLY
+
-
L
N
120-277VAC INPUT

CLASS 2 WIRING
REMOTE WiZ CV BRIDGE BOX
(TC, TW, and DW)
ASSOCIATED LOAD
TC, TW, AND DW
PLASTIC 4 GANG JUNCTION BOX

CLASS 2 WIRING
REMOTE WiZ UR BRIDGE BOX
(TC, TW, and DW)
ASSOCIATED LOAD
TC, TW, AND DW
PLASTIC 4 SQUARE DEEP JUNCTION BOX

OPTIONAL HARDWIRED LOAD
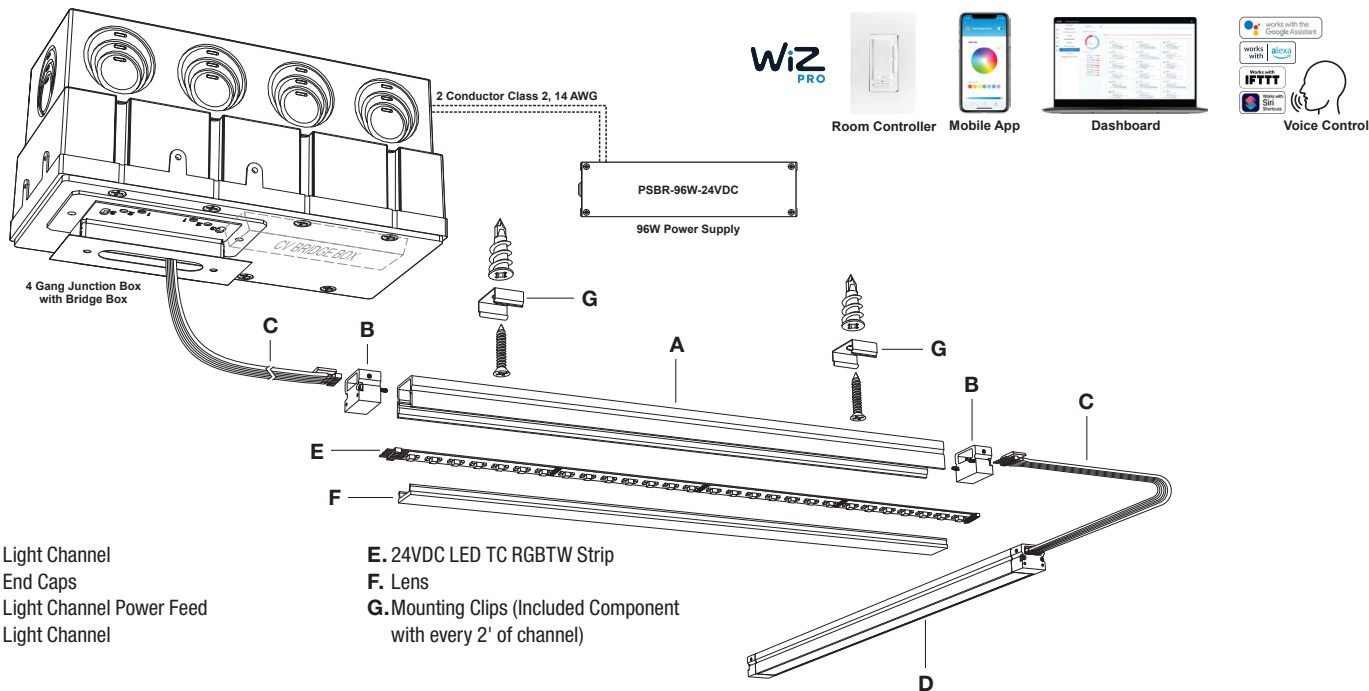FOR 120VAC ONLY
(600W MAX)
L   L
N   N
120V INPUT

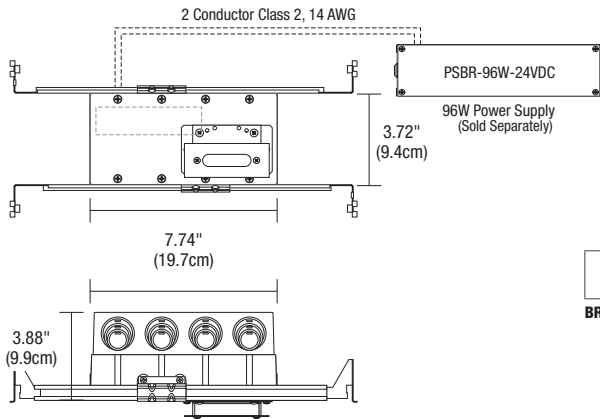| PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

REV 01.20.25

TRUCOLOR™ RGBTW COMPONENTS

2 Conductor Class 2, 14 AWG

PSBR-96W-24VDC

96W Power Supply (Sold Separately)

3.72" (9.4cm)

7.74" (19.7cm)

3.88" (9.9cm)

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 comes with adjustable hanger bars and a Pure Smart WiZ Pro 96 watt CV bridgebox allowing for 5-channel, wireless control of the TruColor RGBTW Luminaire. Two Class 2, 14AWG stranded conductors from the Remote Power Supply up to 40 ft away are required.

System		Canopy		Wattage		Control		Color Temperature		System Code
BR	–	**1RE4G**	–	**96W**	–	**WZ**	–	**TC5W5**	–	**LC**
BR Bridgebox Remote		**1RE4G** 1" Rectangle Canopy with 4 Gang Junction Box		**96W** 96 Watts		**WZ** WiZ pro Connected CV Smart Bridgebox Included		**TC5W5** TruColor™ 5 watts RGB & 5 watts Tunable White		**LC** Light Channel
								TC5W7 TruColor™ 5 watts RGB & 7 watts Tunable White		

4" (10.2cm)

WiZ Pro UR Bridgebox

4" (10.2cm)
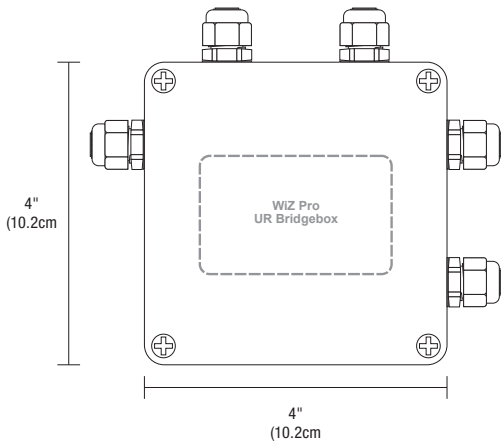
T BAR DROP CEILING SURFACE 4" SQUARE GANG JBOX AND PURE SMART WIZ PRO UR BRIDGEBOX

The 4" Square Junction Box located above Tbar ceiling includes connectors for fast and secure connection to the RGBTW fixture and Pure Smart WiZ Pro 96 watt UR bridgebox allowing for 5-channel, wireless control of the TruColor™ RGBTW fixture. Requires two Class 2, 14 AWG stranded conductors from the Remote Power Supply up to 40 ft away. Can be quick shipped for rough-in.

Type		Component		Wattage		Control System		Color Temperature Options		System
BR	–	**4SQ**	–	**96W**	–	**WZ**	–	**TC5W5**	–	**LC**
BR Bridgebox Remote		**4SQ** 4 Square Junction Box, 1 to 5 connector outputs		**96W** 96 Watts		**WZ** WiZ pro Connected UR Smart Bridge box Included		**TC5W5** TruColor™ 5 watts RGB & 5 watts Tunable White		**LC** Light Channel
								TC5W7 TruColor™ 5 watts RGB & 7 watts Tunable White		

7.74" (19.7cm)

3.72" (9.4cm)

7.74" (19.7cm)

3.88" (9.9cm)
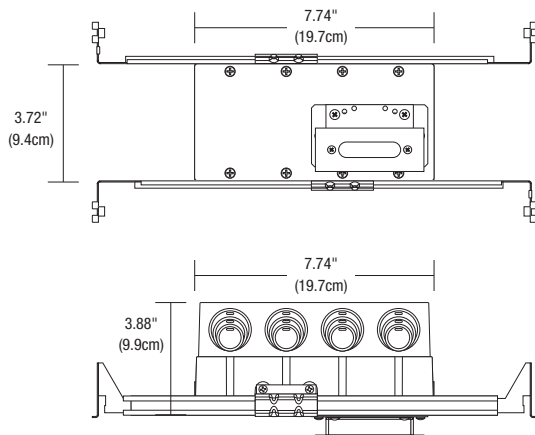
1" RECTANGLE CANOPY & 4 GANG JUNCTION BOX

The Junction Box opening is covered by the fixture for a clean no Canopy look. Includes 4 gang Junction Box with adjustable bar hangers. Includes a Goof Plate, for poor plastering around J-box. Can be quick shipped for rough-in.

Type		Component		Ceiling/Wall Type
C	–	**1RE**	–	**JB4G**
C Channel		**1RE** 1" Rectangle End Feed		**JB4G** 6 Conductor 4 Gang Junction Box

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

REV 01.20.25

CV BRIDGE BOX ONLY

The Pure Smart™ Class2 wiring Type, for use in tight spaces like a cabinet. CV96W RGBTW Bridgebox enables wireless control of a constant voltage, 5 Channel RGBTW LED load with the WiZ Pro wireless control ecosystem. For use with Non-Dim PSB (PSBR-96W-24VDC).

| Product	Wattage	Color Temperature Options	System
BR	**CV96W**	**TC5W5**	**LC**
BR Bridgebox	CV96W Slim Profile WiZ Bridgebox	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White	LC Light Channel
		TC5W7 TruColor™ RGBTW 5 watts RGB & 7 watts Tunable White	
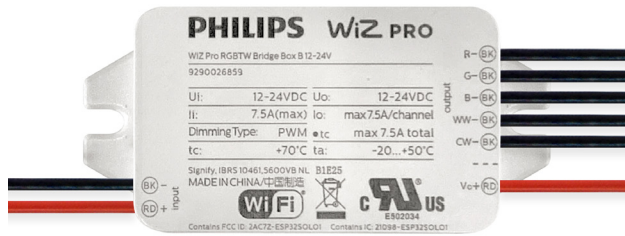
PURE SMART/WIZ PRO UR BRIDGEBOX

The Phillips WiZ Pro Type UR RGBTW Bridgebox is a low voltage Class 2 wireless control module allowing for 5 Channel (RGBTW) full color control within the WiZ Pro wireless control ecosystem. Same as UR but with mounting holes. 24V input voltage For use with Non-Dim PSB (PSBR-96W-24VDC).

Type		Color Temperature Options	System
BRBOX	**UR96W**	**TC5W5**	**LC**
BRBOX Bridgebox	UR96W 96 Watts	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White	LC Light Channel
		TC5W7 TruColor™ RGBTW 5 watts RGB & 7 watts Tunable White	

ACCESSORIES: Order based on lighting design or as replacement parts.

LCS.6-MCL

LCS.6-MCL
0.75" (1.9cm)
0.37" (0.9cm)

LCS.6-MCL-075

LCS.6-MCL-075
0.6" (1.5cm)
0.8" (2cm)
0.8" (2cm)
1.77" (4.5cm)

LCS.6-MCL-90
0.63" (1.6cm)
3" (7.6cm)
2" (5.1cm)

MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75 degrees. LC-MCL-90 mounts Light Channel at a 90 degree angle.
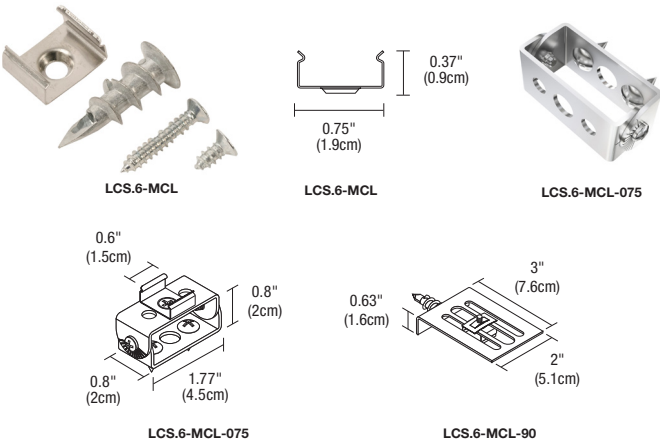
System	Product	Type
LCS.6	**MCL**	**STANDARD** (Leave Blank)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75°
		90 Mounts at 90°
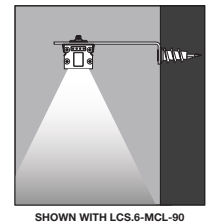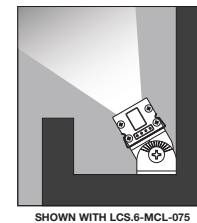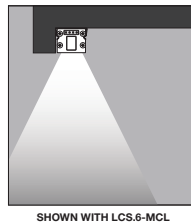
SHOWN WITH LCS.6-MCL

SHOWN WITH LCS.6-MCL-075

SHOWN WITH LCS.6-MCL-90

PROJECT		FIXTURE TYPE		DATE	

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

PURE EDGE LIGHTING

DW

RGB

RGBW

RGBTW

0.25"
(0.6cm)
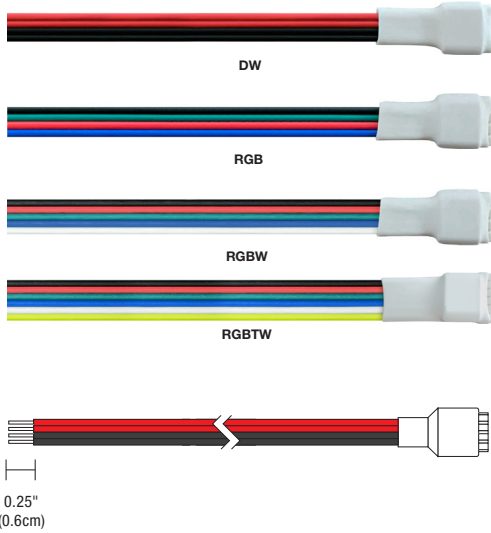
LIGHT CHANNEL POWER CONNECTOR
One Female Power Connector is included with each order of channel.

System	Type	Product	Length	Color Temperature
SS	**FE**	**CON**	**72IN**	**DW**

SS Stomp Strip/ Soft Strip	**FE** Female Connector	**CON** Connector	**72IN** 72 Inches	**DW** Static White/Warm Dim **RGB** RGB (Tunable White Compatible) **RGBW** Red, Green, Blue, and White **RGBTW** Red, Green, Blue, and Tunable White
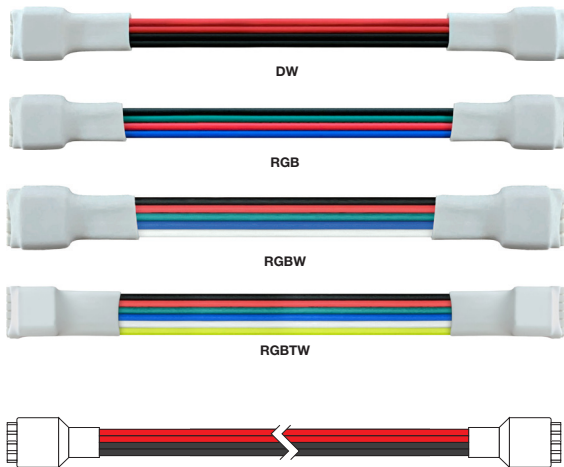
FLEXIBLE CONNECTOR
Flexible connectors link two sections of the Light Channel end to end. WAGO 221 Lever Nuts can also be used as jumper connections according to your specific application requirements.

DW

RGB

RGBW

RGBTW

System	Type	Product	Size	Color Temperature
SS	**CFX**	**CON**	**12IN**	**DW**

SS Stomp Strip/ Soft Strip	**CFX** Flexible Connector	**CON** Connector	**12IN** 12 Inches **72IN** 72 Inches	**DW** Static White/Warm Dim **RGB** RGB (Tunable White Compatible) **RGBW** Red, Green, Blue, and White **RGBTW** Red, Green, Blue, and Tunable White
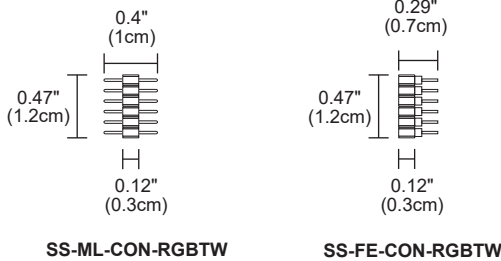
## PIN CONNECTORS
Extra soldering pin connectors. Male and female.

0.4"
(1cm)

0.47"
(1.2cm)

0.12"
(0.3cm)

0.29"
(0.7cm)

0.47"
(1.2cm)

0.12"
(0.3cm)

SS-ML-CON-RGBTW

SS-FE-CON-RGBTW

System	Product	Type	Color Temperature
SS	**ML**	**CON**	**BLANK**

SS Stomp Strip/ Soft Strip	**FE** Female Connector **ML** Male Connector	**CON** Connector	**RGBW** Red, Green, Blue, and White (RGB Compatible) **RGBTW** Red, Green, Blue, and Tunable White **Leave Blank for Static White, Warm Dim, Monochromatic Color & Tunable White**

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
PureEdge Lighting reserves the right to modify this specification without prior notice

7

STOMP STRIP, STATIC WHITE
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24

PURE EDGE
Pure Smart Lighting

0.4"
(1cm)

+24VDC   +24VDC

2.4"
(6cm)
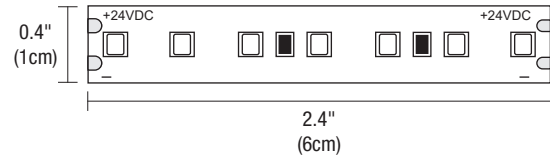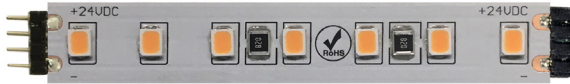
Our Low Voltage LED strips are highly durable, designed to withstand the harsh elements of a job site, and precision engineered to provide superior color rendering up to 92+ CRI. Both Stomp Strip and Soft Strip are used for our **DIY** (Do-it-Yourself) fixtures and systems.

FEATURES & BENEFITS
- Offered with Pin Connectors or Pre-soldered leads 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-cuttable in 2.4" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

REMOTE POWER SUPPLIES*, DIMMING & CONTROLS (SOLD SEPARATELY)
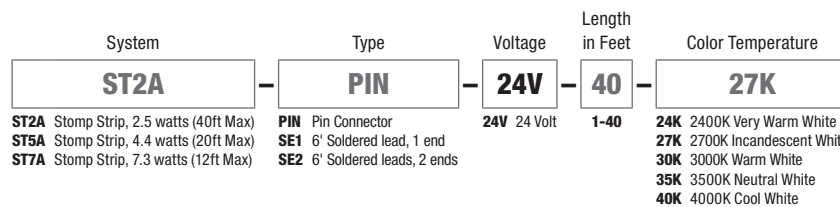24VDC, Class 2 wiring
- Home Integration Solutions
- Pure Smart™ WiZ Pro Power Supplies & Smart Controls
- UNI Driver: Universal Dimming **(ELV, TRIAC, 0-10V)**
- Electronic Low Voltage **(ELV)**† 50W (fits inside junction box) ELV & TRIAC Smart Dimmer & Switch
- DALI/DALI-2
- Lutron Hi-Lume/Ecosystem

*In-Wall Mounting and drop ceiling kits available for select power supplies
†ELV power supplies are not compatible with nLight

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+

System	Type	Voltage	Length in Feet	Color Temperature
ST2A	PIN	24V	40	27K

ST2A Stomp Strip, 2.5 watts (40ft Max)
ST5A Stomp Strip, 4.4 watts (20ft Max)
ST7A Stomp Strip, 7.3 watts (12ft Max)

PIN Pin Connector
SE1 6' Soldered lead, 1 end
SE2 6' Soldered leads, 2 ends

24V 24 Volt

1-40

24K 2400K Very Warm White
27K 2700K Incandescent White
30K 3000K Warm White
35K 3500K Neutral White
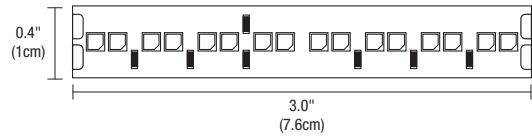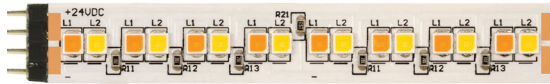**40K** 4000K Cool White

PROJECT		FIXTURE TYPE		DATE	

WARM DIM, STOMP STRIP
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
Pure Smart Lighting

0.4" (1cm)

3.0" (7.6cm)

CAN'T STOMP ME OUT

Our Low Voltage 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. Warm Dim technology **(27D & 30D)** mimics an incandescent atmosphere by decreasing the color temperature as you dim. Our Warm Dim strips can be dimmed all the way down to a soothing amber hue at 1800K, reminiscent of candlelight along the halogen curve. Stomp Strip is used for our **DIY** (Do-it-Yourself) fixtures and systems. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com .

FEATURES & BENEFITS

- Offered with Pin Connectors or Pre-soldered leads 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

- 5WDC, 4.8 watts per foot - 20'

LAMP

- **27D** dims from 2700K down to 1800K, and **30D** dims from 3000K down to 2000K, resembling Halogen light sources.
- Average life: 50,000 hours

SPECIFICATIONS

- 24VDC
- 4.8 watts per foot
- Sold in 1' increments
- Field-cuttable in 3" increments
- Operating temperature: -22°F to 140°F (-30°C to 60°C)

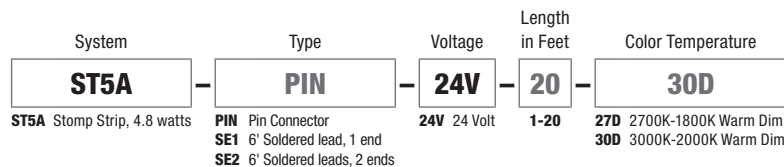## REMOTE POWER SUPPLIES*, DIMMING & CONTROLS (SOLD SEPARATELY)
24VDC, Class 2 wiring
- Home Integration Solutions
- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)**
- Electronic Low Voltage **(ELV)**[†] 50W (fits inside junction box) ELV & TRIAC Smart Dimmer & Switch
- DALI/DALI-2
- Lutron Hi-Lume/Ecosystem

*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	ST5A	
WATTS PER FOOT	4.8W	
COLOR TEMPERATURE	27D	30D
LUMENS PER FOOT (lm/ft)	606	631
LUMENS PER WATT (lm/w)	126	131
CRI	94+	94+

System	Type	Voltage	Length in Feet	Color Temperature
ST5A	**PIN**	**24V**	**20**	**30D**

ST5A Stomp Strip, 4.8 watts	**PIN** Pin Connector **SE1** 6' Soldered lead, 1 end **SE2** 6' Soldered leads, 2 ends	**24V** 24 Volt	**1-20**	**27D** 2700K-1800K Warm Dim **30D** 3000K-2000K Warm Dim

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
PureEdge Lighting reserves the right to modify this specification without prior notice

9

PRO WARM DIM, STOMP STRIP
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

PURE EDGE
Pure Smart Lighting

REV 12.02.24

2.4"
(6cm)

0.4"
(1cm)

FEATURES & BENEFITS

- Pro Dim LED Strip provides adaptable dim to warm light with 0.1% Dim to off
- High CRI LEDs, offering superior color rendering and enhanced color
- Available in 2W, 5W, & 7W watts per foot
- Offered with Pin Connectors or Pre-soldered leads reducing time and
- labor during installation
- The 0.4" (10mm) wide strip contains 35 LEDs per foot (7 LEDs per 2.4" Increment): Tight spacing of LEDs produce uniform light distribution without visible diodes or pixelation when used within a diffused lens
- Gold Plated Contacts: Prevent oxidation ensuring longevity of the LEDs
- 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
- Applications: Indoor, damp and dry locations
- Warranty: Includes a 5-year pro-rated warranty

MAXIMUM LENGTHS BEFORE RE-FEEDING

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

LAMP

- Available in 2700K **27KPD** (dims down to 1800K) and **3000K** (30KPD) that dims down to 2000K
- Linear Dimming Curve
- Designer Grade High CRI 92+ LEDs
- Average life: 50,000 hours

SPECIFICATIONS

- 24VDC, 120-277VAC Input
- 2.5, 5, and 7.5 watts per foot
- Sold in 1' increments
- Field-cuttable 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
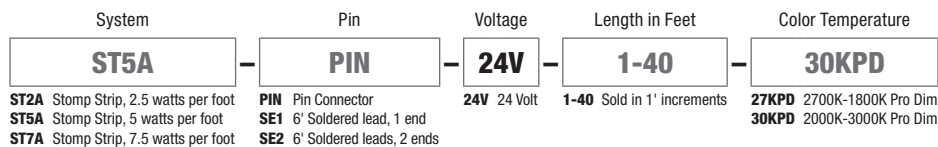- Pro Dim Power Supplies & Controls
*In-Wall Mounting Kits available for select Power Supplies

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

NOMINAL LAMP DATA						
DESCRIPTION	ST2A KPD		ST5A KPD		ST7A KPD	
WATTS PER FOOT	2W (2.5 watts)		5W (5 watts)		7W (7.5 watts)	
COLOR TEMPERATURE	27KPD	30KPD	27KPD	30KPD	27KPD	30KPD
LUMENS PER FOOT (lm/ft)	165	173	426	451	523	548
LUMENS PER WATT (lm/w)	66	69	66	69	58	61
CRI	92+	92+	92+	92+	92+	92+

System		Pin		Voltage		Length in Feet		Color Temperature
ST5A	–	**PIN**	–	**24V**	–	**1-40**	–	**30KPD**

ST2A Stomp Strip, 2.5 watts per foot
ST5A Stomp Strip, 5 watts per foot
ST7A Stomp Strip, 7.5 watts per foot

PIN Pin Connector
SE1 6' Soldered lead, 1 end
SE2 6' Soldered leads, 2 ends

24V 24 Volt

1-40 Sold in 1' increments

27KPD 2700K-1800K Pro Dim
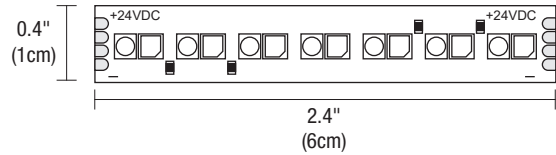**30KPD** 2000K-3000K Pro Dim

PROJECT		FIXTURE TYPE		DATE	

STOMP STRIP, TUNABLE WHITE
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24

PURE EDGE
Pure Smart Lighting

0.4" (1cm)

+24VDC ... +24VDC

2.4" (6cm)

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 or Pre-soldered leads 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-cuttable 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 & Smart 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
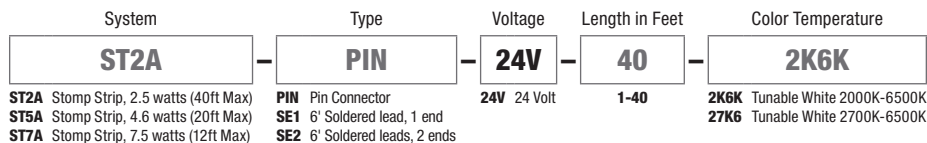
MAXIMUM LENGTHS BEFORE RE-FEEDING

- 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+

System	Type	Voltage	Length in Feet	Color Temperature
ST2A	**PIN**	**24V**	**40**	**2K6K**

|				
ST2A Stomp Strip, 2.5 watts (40ft Max)	PIN Pin Connector	24V 24 Volt	1-40	2K6K Tunable White 2000K-6500K
ST5A Stomp Strip, 4.6 watts (20ft Max)	SE1 6' Soldered lead, 1 end			27K6 Tunable White 2700K-6500K
ST7A Stomp Strip, 7.5 watts (12ft Max)	SE2 6' Soldered leads, 2 ends			

PROJECT		FIXTURE TYPE		DATE	

SOFT STRIP, RGB
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.02.24

PURE EDGE
Pure Smart Lighting

0.47"
(12mm)
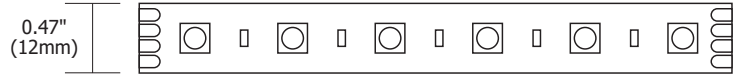
DESCRIPTION

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
- Offered with Pin Connectors or Pre-soldered leads reducing time and labor during installation
- Maximum Lengths Before Re-feeding: SS3- 36', SS5- 20'
- Sold in 1' increments
- Field-cuttable 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, 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
SS3	–	**PIN**	–	**24V**	–	**36**	–	**RGB**

SS3 Soft Strip 2.6 watts per foot (max 36')
SS5 Soft Strip 5 watts per foot (max 20')

PIN Pin Connector
SE1 6' Soldered lead, 1 end
SE2 6' Soldered leads, 2 ends

24V 24 Volt

1-36 Sold in 1 ft. increments

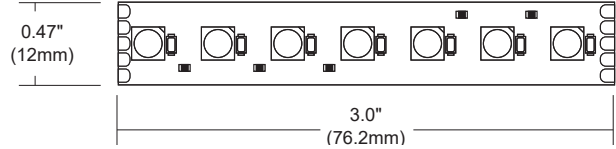**RGB** Dynamic Color Red, Green, and Blue

PROJECT		FIXTURE TYPE		DATE	

PureEdge Lighting reserves the right to modify this specification without prior notice

SOFT STRIP, RGB+WHITE
24VDC WITH PIN CONNECTORS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

PURE EDGE
Pure Smart Lighting

0.47"
(12mm)

3.0"
(76.2mm)

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-cuttable 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
SS6	**PIN**	**24V**	**16**	**RGB20K**
SS6 Soft Strip 6.3 watts per foot	PIN Pin Connector	24V 24 Volt	1-16 Sold in 1 ft. increments	RGB20K Red, Green, Blue + White 2000K
	SE1 6' Soldered lead, 1 end			RGB27K Red, Green, Blue + White 2700K **Special Order**
	SE2 6' Soldered leads, 2 ends			RGB30K Red, Green, Blue + White 3000K **Special Order**
				RGB40K Red, Green, Blue + White 4000K **Special Order**

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
PureEdge Lighting reserves the right to modify this specification without prior notice

13

TRUCOLOR™ RGB & TUNABLE WHITE LED STRIP
24VDC, 5 CHANNEL CONTROL, WITH PIN CONNECTORS & SOLDERED LEADS

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

PURE EDGE
Pure Smart Lighting

REV 12.02.24
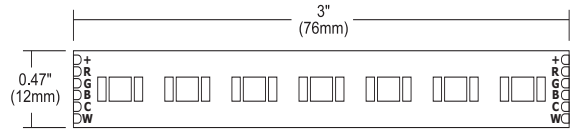
DESCRIPTION

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 or Pre-soldered leads 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

LAMP PERFORMANCE

- **TruColor™ RGBTW** Red, Green, and Blue with Tunable White (**1500K-6500K**)
- S5W5 360lm/ft 5W @3000K
- S5W7 526m/ft 7W @3000K
- Average Life: 50,000 hours

AVERAGE PERFORMANCE 2000K-5500K

- Average CRI: 97+
- Average DUV: +-0.0002
- Average R9: 91, Rg: 103, Rf: 93

SPECIFICATIONS

- 24VDC
- S5W5: 5W RGB & 5W Tunable White
- S5W7: 5W RGB & 7W Tunable White
- Sold in 1' increments
- Field-cuttable 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
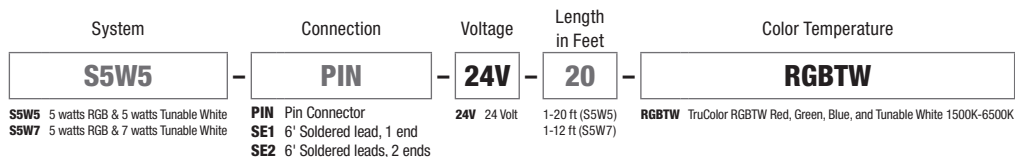
APPLICATIONS

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

APPROVALS

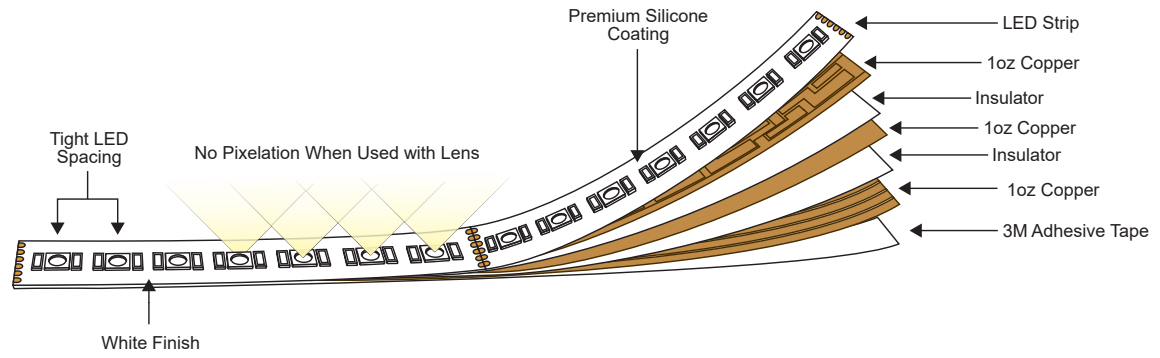Class 2 Wiring up to 100 watts, Indoor Damp Location, ETL listed, RoHS.

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	96	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

System	Connection	Voltage	Length in Feet	Color Temperature
S5W5	**PIN**	**24V**	**20**	**RGBTW**

S5W5 5 watts RGB & 5 watts Tunable White
S5W7 5 watts RGB & 7 watts Tunable White

PIN Pin Connector
SE1 6' Soldered lead, 1 end
SE2 6' Soldered leads, 2 ends

24V 24 Volt

1-20 ft (S5W5)
1-12 ft (S5W7)

RGBTW TruColor RGBTW Red, Green, Blue, and Tunable White 1500K-6500K

PROJECT		FIXTURE TYPE		DATE	

TRUCOLOR™ RGB & TUNABLE WHITE LED STRIP
24VDC, 5 CHANNEL CONTROL

PURE EDGE
Pure Smart Lighting

REV 12.02.24

Premium Silicone Coating
LED Strip
1oz Copper
Insulator
1oz Copper
Insulator
1oz Copper
3M Adhesive Tape

Tight LED Spacing

No Pixelation When Used with Lens

White Finish

PIN CONNECTOR
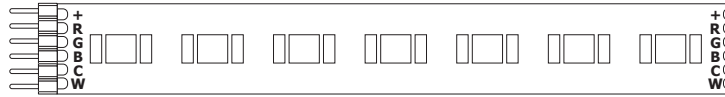
6' SOLDERED LEAD, 1 END (SE1)
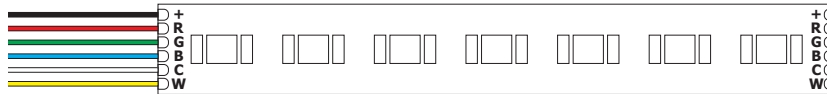
6' SOLDERED LEAD, 2 ENDS (SE2)
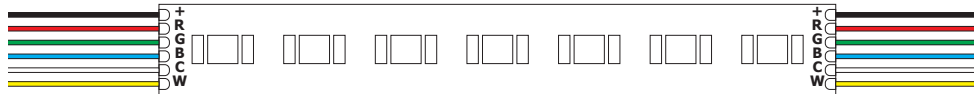
S5W5 WATTS PER FOOT			
LENGTH IN FEET	RGB Wattage	Tunable White Wattage	Pure Smart™ WiZ Pro Wattage
1	5	5	5
2	10	10	10
3	15	15	15
4	20	20	20
5	25	25	25
6	30	30	30
7	35	35	35
8	40	40	40
9	45	45	45
10	50	50	50
11	55	55	55
12	60	60	60
13	65	65	65
14	70	70	70
15	75	75	75
16	80	80	80
17	85	85	85
18	90	90	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

PROJECT		FIXTURE TYPE		DATE	

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
PureEdge Lighting reserves the right to modify this specification without prior notice

15

SOFT STRIP, MONOCHROMATIC COLOR
24VDC WITH PIN CONNECTORS & SOLDERED LEADS

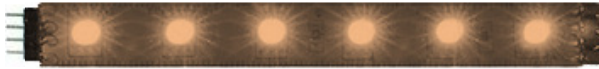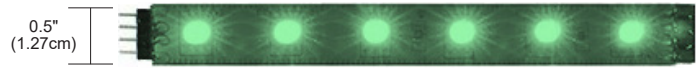DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENT PENDING

PURE EDGE
Pure Smart Lighting
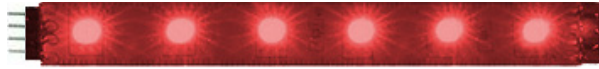
RRR - Red

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
- Offered with Pin Connectors or Pre-soldered leads reducing time and labor during installation
- 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 **(TRIAC, ELV, 0-10V)**
- Electronic Low Voltage **(ELV)**† 50W (fits inside junction box) ELV & TRIAC Smart Dimmer & Switch
- DALI/ DALI 2
- Lutron Hi-Lume/Ecosystem

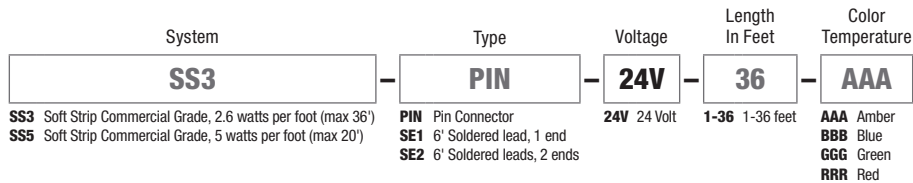*In-Wall Mounting Kits available for select power supplies
†ELV power supplies are not compatible with nLight

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
SS3		**PIN**		**24V**		**36**		**AAA**

System	Type	Voltage	Length In Feet	Color Temperature
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
SS5 Soft Strip Commercial Grade, 5 watts per foot (max 20')	SE1 6' Soldered lead, 1 end			BBB Blue
	SE2 6' Soldered leads, 2 ends			GGG Green
				RRR Red

PROJECT		FIXTURE TYPE		DATE	

PureEdge Lighting reserves the right to modify this specification without prior notice

LIGHT CHANNEL 0.6" DIY SURFACE MOUNT MICRO GRAZER
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

PURE EDGE LIGHTING

NOMINAL DELIVERED LUMENS

DESCRIPTION	STATIC WHITE					STATIC WHITE/WARM DIM							STATIC WHITE				
WATTS PER FOOT	2.5W					5W (4.4 watts)							7.3W				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	27D*	30K	30D*	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	203	223	245	280	304	351	386	478	380	478	483	525	574	631	690	790	858
LUMENS PER WATT (lm/w)	81	89	98	112	122	80	88	100	86	100	110	119	79	86	94	108	118
CRI	90+	95+	95+	85+	85+	90+	95+	92+	95+	92+	85+	85+	90+	95+	95+	85+	85+

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

DESCRIPTION	2K6K									2K6K									2K6K								
WATTS PER FOOT	2W (2.5 watts)									5W (4.6 watts)									7W (7.3 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)	115	117	118	120	121	125	136	147	157	278	290	301	313	324	347	372	375	378	387	406	424	442	460	496	523	528	533
LUMENS PER WATT (lm/w)	62	58	59	60	61	62	68	73	87	61	60	63	65	67	72	77	78	82	61	56	59	61	64	69	73	73	83
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+

DESCRIPTION	27K6							27K6							27K6						
WATTS PER FOOT	2W (2.5 watts)							5W (4.6 watts)							7W (7.3 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)	124	148	152	156	170	183	174	311	318	330	342	338	335	334	420	429	445	461	456	453	451
LUMENS PER WATT (lm/w)	62	59	61	62	68	73	87	78	69	72	74	73	73	84	66	60	62	64	63	63	70
CRI	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

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)	117	176	214	240	248	261	282	198	182	145	242	310	352	361	380	373	219	198
LUMENS PER WATT (lm/w)	44	39	49	56	58	60	67	67	76	43	63	50	59	59	62	64	63	66
CRI	91.8	93.8	94.5	94.9	95.5	96.9	97.2	92.1	89.8	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	-0.0030	0.0002	0.0030	0.0030	0.0030	0.0009	0.0000	0.0030	0.0030
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
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	

# LED STRIP TM30 DATA
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

PURE EDGE LIGHTING

REV 01.20.25

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.
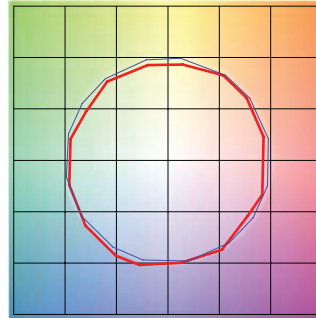
2400K | Rf: 84.5 | Rg: 94.4
Color Vector Graphic
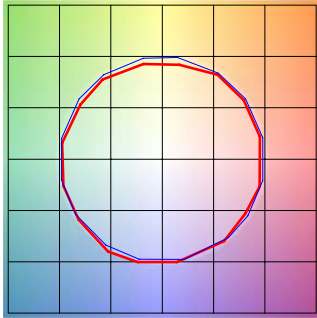
Test   Reference

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
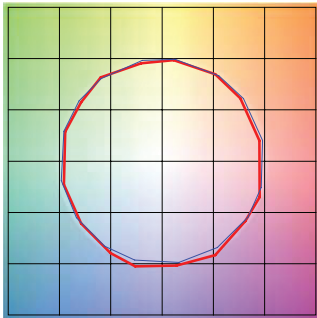
Test   Reference

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
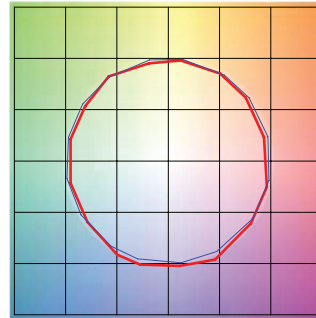
Test   Reference

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
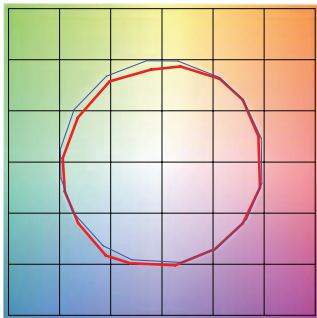
Test   Reference

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	

PureEdge Lighting reserves the right to modify this specification without prior notice

LED STRIP TM30 DATA
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

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.

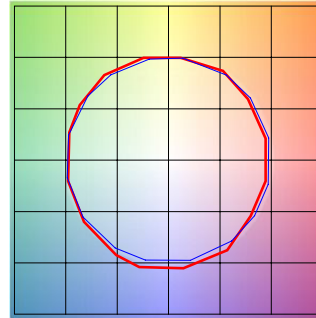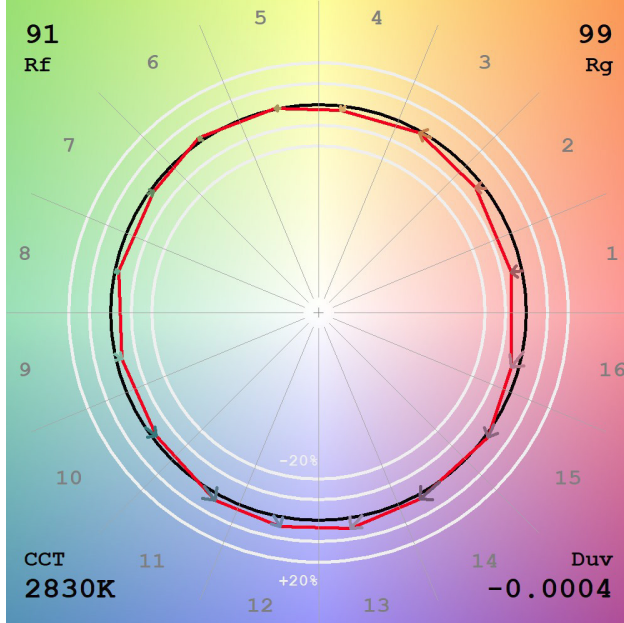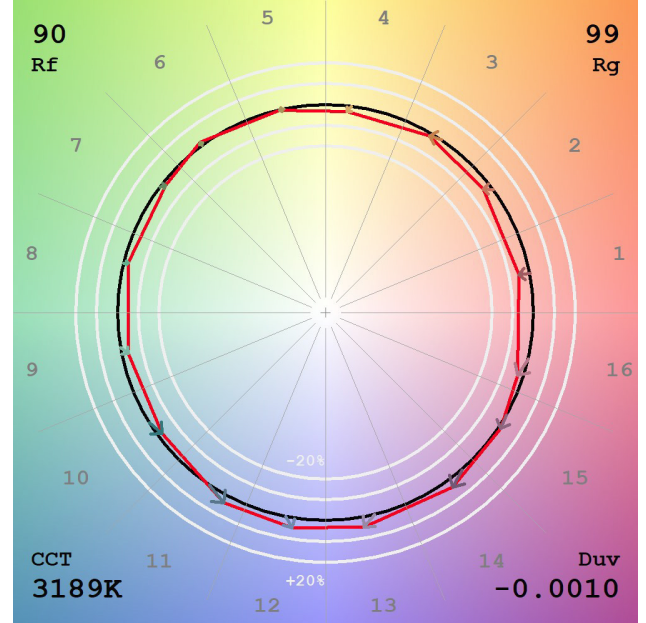**2700D** | Rf: 90.7 | Rg: 101.1
Color Vector Graphic
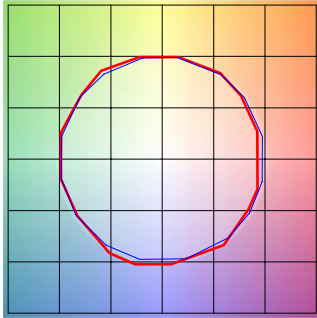
HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-4.1%	1.1%
2	91.8	-2.2%	3.2%
3	89.0	0.2%	5.0%
4	92.9	-1.1%	0.8%
5	93.9	1.1%	1.7%
6	93.3	3.3%	0.0%
7	93.1	-0.5%	-1.9%
8	97.2	-0.3%	-0.9%
9	93.4	-1.0%	3.2%
10	89.9	-0.1%	5.6%
11	87.0	4.7%	7.2%
12	89.2	5.8%	-0.2%
13	89.1	3.5%	-6.7%
14	86.3	4.1%	-9.2%
15	91.4	-2.0%	-3.6%
16	84.7	-2.1%	-10.3%

■ Test ■ Reference

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

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%

■ Test ■ Reference

PROJECT		FIXTURE TYPE		DATE	

LED STRIP TM30 DATA
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

PURE EDGE
LIGHTING

REV 01.20.25

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

2000K ONLY (30KPD)
View Angle: 2 Deg

91 Rf	99 Rg
CCT 2830K	Duv −0.0004

3000K ONLY (30KPD)
View Angle: 2 Deg

90 Rf	99 Rg
CCT 3189K	Duv −0.0010

| PROJECT | | FIXTURE TYPE | | DATE | |

www.PureEdgeLighting.com | Phone: 773.770.1195 | 1718 W. Fullerton Ave. Chicago, IL 60614
PureEdge Lighting reserves the right to modify this specification without prior notice

20

LED STRIP TM30 DATA
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

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.

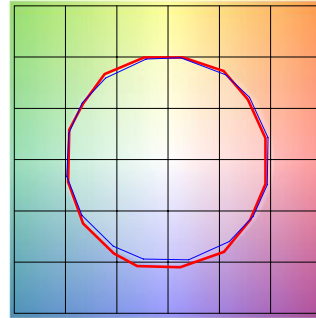### 2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5
Color Vector Graphic
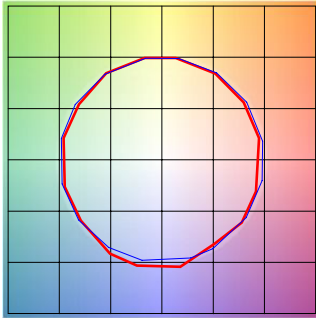
Test ■ Reference ■

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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 (2K6K/27K6) | Rf: 90.5 | Rg: 100.7
Color Vector Graphic

Test ■ Reference ■

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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 (2K6K/27K6) | Rf: 86.4 | Rg: 96.1
Color Vector Graphic
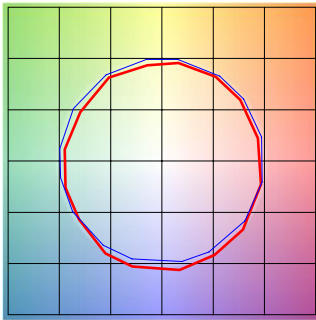
Test ■ Reference ■

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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%

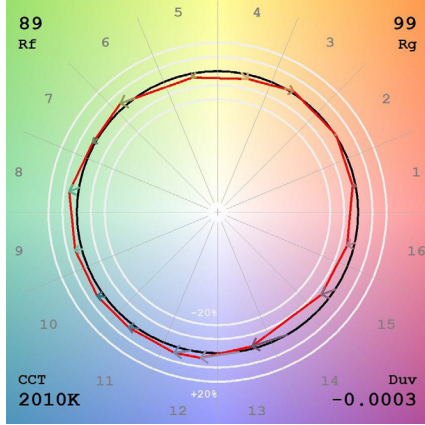| PROJECT		FIXTURE TYPE		DATE	

LED STRIP TM30 DATA
24VDC, DO-IT-YOURSELF IN STATIC WHITE & COLOR, WARM & PRO DIM, TUNABLE WHITE, RGB, RGBW & RGBTW

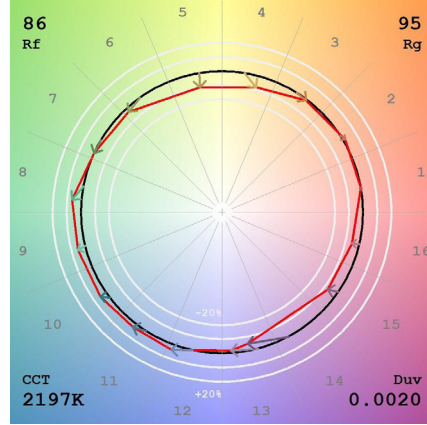**TM-30-15 DATA:** The data below is for Pure Smart TruColor™ RGBTW Lamps.
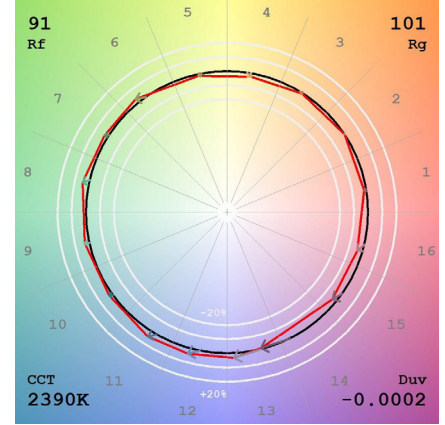
2000K (TruColor™ RGBTW)
View Angle: 2 Deg

89 Rf	99 Rg
CCT 2010K	Duv −0.0003

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

86 Rf	95 Rg
CCT 2197K	Duv 0.0020

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

91 Rf	101 Rg
CCT 2390K	Duv −0.0002

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

93 Rf	102 Rg
CCT 2682K	Duv −0.0002

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

93 Rf	103 Rg
CCT 3025K	Duv −0.0016

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

94 Rf	102 Rg
CCT 3539K	Duv −0.0006

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

93 Rf	102 Rg
CCT 4012K	Duv 0.0000

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

92 Rf	105 Rg
CCT 5525K	Duv −0.0042

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

92 Rf	104 Rg
CCT 6457K	Duv −0.0018

PROJECT	FIXTURE TYPE	DATE