LAZER LINE LIGHTING SYSTEM SLIM TURNBUCKLE DIY
SUSPENDED LED LIGHTING SYSTEM, 24VDC REMOTE POWER SUPPLY

DESIGNED BY DEREK PORTER & GREGORY KAY | ASSEMBLED IN AMERICA | PAT. US 9,033,541 B2

PURE EDGE
PureSmart Lighting

DESCRIPTION

Lazer Line is a Direct and/or Indirect LED Lighting System that provides general illumination for architectural applications. Slim Turnbuckles and anchors can be mounted wall to wall or ceiling to floor or ceiling to wall. Turnbuckles allow Lazer Line to be positioned 0-90° relative to the mounting surface, creating a 3-dimensional look that is as functional as it is visually interesting. Feed power from one or both ends for longer lengths. Mounts to standard 4" square junction box with round plaster ring. Paint canopy to blend into the surface for a seamless look. For compact shipment and storage, Lazer Line coils like a retractable tape measure. When uncoiled, Lazer Line becomes a 0.6" wide stainless steel channel that spans opposing surfaces. The field-cuttable channel allows continual lengths up to 60' with power feeds at each end. Includes a 5 year pro-rated warranty. For custom designs and quotes, send drawings to: design@PureEdgeLighting.com.

POWER FEED & NON-POWER FEED TURNBUCKLES (SOLD SEPARATELY)

Turnbuckles support Lazer Line on any angle from 0-90°, feed power from one end and mount to a standard 4" square electrical junction box with round plaster ring. Turnbuckles may be mounted to a ceiling, wall or floor.

APPLICATIONS

Designed for indoor use only. Wherever direct and indirect light sources can be used such as offices, hallways, hotels, restaurants and retail environments.

POWER CONSUMPTION

- Single Strip: 3 or 5 watts per foot
- Dual Strips: 6 (3W up + 3W down) or 10 W/ft (5W up + 5W down)

MAXIMUM LENGTHS

Single Strip (Direct or Indirect)
- 3W-30' 5W-20' (power feeds at one end)
- 3W-60' 5W-40' (power feeds at both ends)

Two Strips (Direct and Indirect)
- 6W-15' 10W-10' (power feeds at one end)
- 6W-30' 10W-20' (power feeds at both ends)

REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

Static White & Monochromatic Color
- Pure Smart™ WiZ Pro Power Supplies & Smart Controls
- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)**
- ELV & TRIAC Smart Dimmer & Switch

Tunable White
- Pure Smart™ WiZ Pro Power Supplies & Smart Controls
- 0-10V: Requires two dimmers, one for intensity and one for color temperature
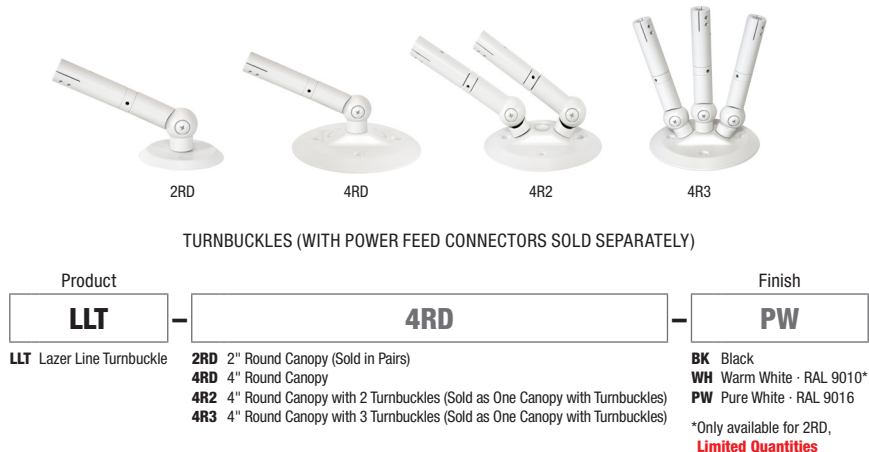- DMX Dynamic Color Changing & PureEdge Controllers

RGB/RGB+W
- DMX Dynamic Color Changing & Controllers

RGBTW
- Pure Smart™ WiZ Pro Power Supplies & Smart Controls

PureEdge Pure Smart™ Wi-Fi RGBTW Power Supply is the most advanced smart power supply on the market. No hub or additional equipment required. Google Assistant, Alexa, Siri Shortcuts, and IFTTT.
- DMX Dynamic Color Changing & Controllers
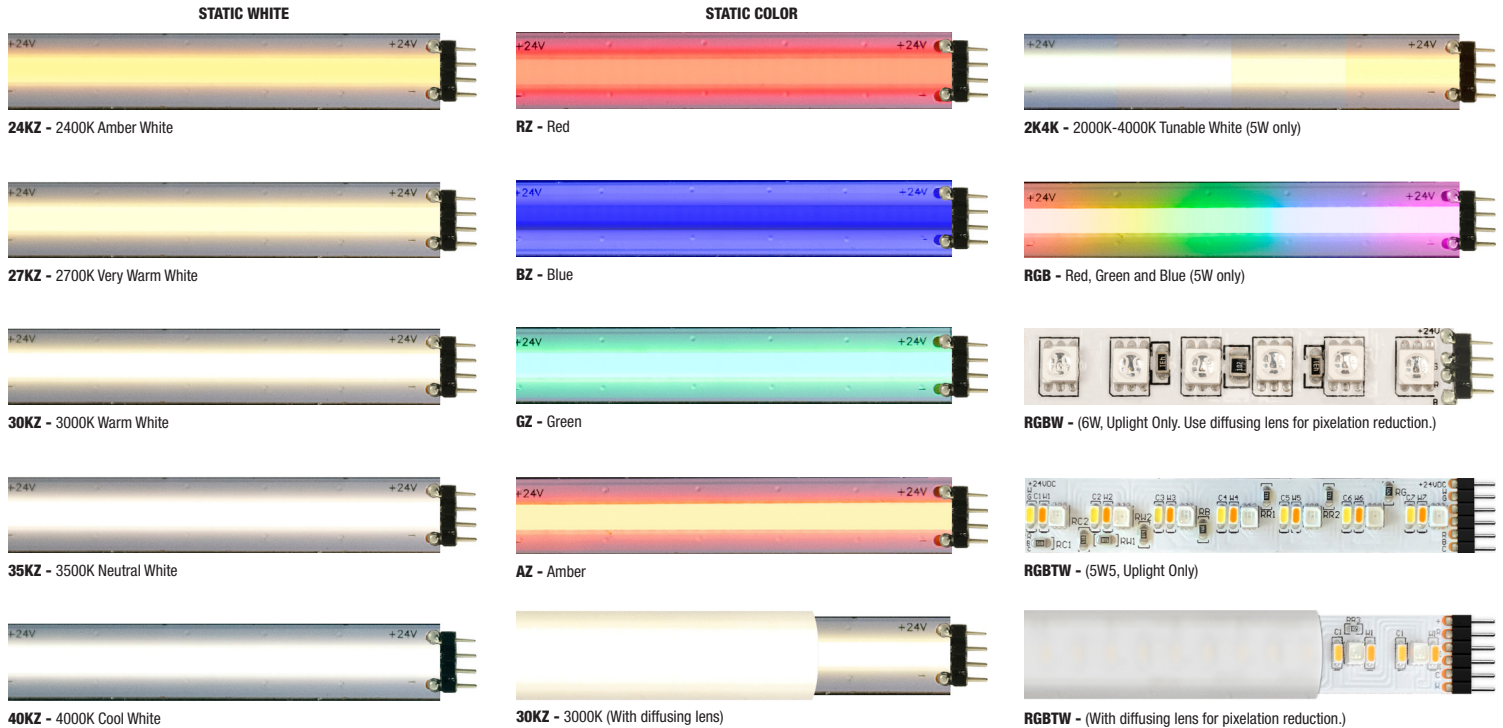
APPROVALS/COMPLIANCE

ETL, Class 2, Damp Rated

2RD   4RD   4R2   4R3

TURNBUCKLES (WITH POWER FEED CONNECTORS SOLD SEPARATELY)

Product		Finish
LLT	**4RD**	**PW**

LLT Lazer Line Turnbuckle	**2RD** 2" Round Canopy (Sold in Pairs)	**BK** Black
	4RD 4" Round Canopy	**WH** Warm White · RAL 9010*
	4R2 4" Round Canopy with 2 Turnbuckles (Sold as One Canopy with Turnbuckles)	**PW** Pure White · RAL 9016
	4R3 4" Round Canopy with 3 Turnbuckles (Sold as One Canopy with Turnbuckles)	*Only available for 2RD, **Limited Quantities**

PROJECT		FIXTURE TYPE		DATE	

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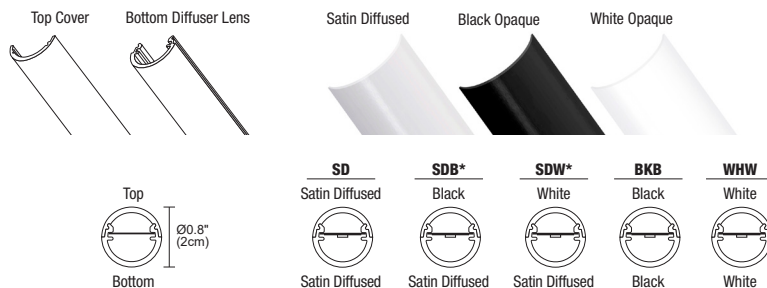PureSmart Lighting

STATIC WHITE

24KZ - 2400K Amber White

27KZ - 2700K Very Warm White

30KZ - 3000K Warm White

35KZ - 3500K Neutral White

40KZ - 4000K Cool White

STATIC COLOR

RZ - Red

BZ - Blue

GZ - Green

AZ - Amber

30KZ - 3000K (With diffusing lens)

2K4K - 2000K-4000K Tunable White (5W only)

RGB - Red, Green and Blue (5W only)

RGBW - (6W, Uplight Only. Use diffusing lens for pixelation reduction.)

RGBTW - (5W5, Uplight Only)

RGBTW - (With diffusing lens for pixelation reduction.)

LAZER LINE STAINLESS STEEL TAPE
0.6" Stainless Steel Tape Only.

0.6" (1.52cm)

0.6" (1.52cm)

0.12" (0.3cm)
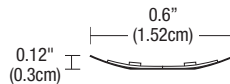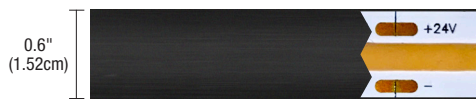
Product	Length in Feet	Finish
LZ.6	**60FT**	**WH**
LZ.6 Lazer Line 0.6" Stainless Steel Tape Only	10FT 20FT 40FT 60FT	BK Black WH White

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OPTIONAL DIFFUSED LENSES
0.8" Diameter lenses easily snap into place.

Top Cover Bottom Diffuser Lens

Satin Diffused Black Opaque White Opaque

Top / Bottom Ø0.8" (2cm)

SD	SDB*	SDW*	BKB	WHW
Satin Diffused	Black	White	Black	White
Satin Diffused	Satin Diffused	Satin Diffused	Black	White

Product	Length in Feet	Finish
LZ.8-DL	**4FT**	**SD**
LZ.8-DL Lazer Line 0.8" Diffused Lens	4FT 8FT	SD Satin Diffused (Bottom & Top Pieces)
		SDB Satin Diffused & Black Opaque
		SDW Satin Diffused & White Opaque
		BKB Black (Bottom & Top Pieces Black Opaque Lens)*
		WHW White (Bottom & Top Pieces White Opaque Lens)*

*No light output
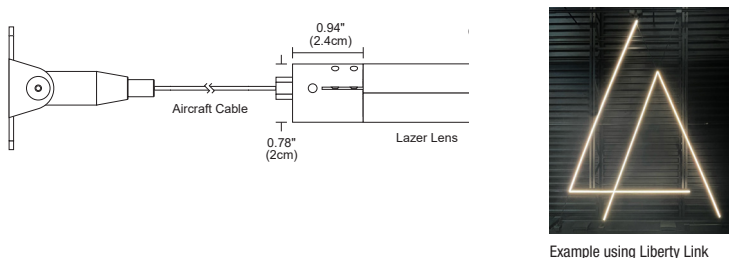
LIBERTY LINK
Liberty Link has the skill to halt laser lines in mid-flight, weaving, intersecting, and reshaping the ambiance. Lazer Lens (above) required. Add the diffused lens to tailor your design for a captivating ambient glow, or use the opaque lenses to give the illusion of the Lazers starting and stopping midair. Add to the end of the Lazer Line steel tape only, not for power feed, 30 ft lazer tape feed from one end only max a 3 watt. 20ft at 5 watts.

0.94" (2.4cm)

Aircraft Cable

Lazer Lens

0.78" (2cm)

Example using Liberty Link

Product		Length in Feet	Finish
LZ.6	**LIB**	**40**	**PW**
LZ.6 Lazer Line 0.6"	LIB Liberty Link	40FT	BK Black
			PW Pure White · RAL 9016

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LAZER LINE LIGHTING SYSTEM SLIM TURNBUCKLE DIY

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LED LAZER STRIP - USE FOR UP OR DOWN LIGHT

2.4"
(6.1cm)

+24V   +24V

0.47"
(1.2cm)
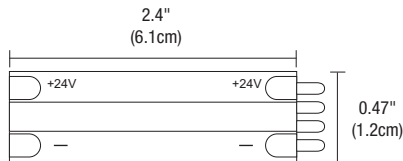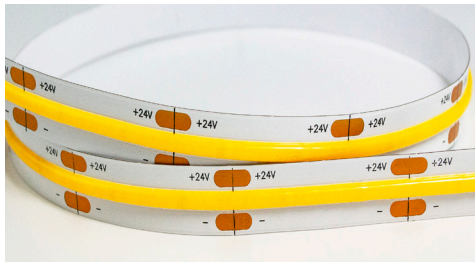
LS3, LS5 LED LAZER STRIP

High efficiency LED Lazer Strip with high CRI 92+ LEDs, offering superior color rendering and enhanced color. The remote phosphor allows for clean and uninterrupted illumination without the need for a diffuser to eliminate pixelation. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing.

Maximum length if fed from one end only
LS3: 30', LS5: 20'

Maximum length if fed from both ends
LS3: 60', LS5: 40'

STATIC WHITE/MONOCHROMATIC COLORS

System	Type	Voltage	Length in Feet	Color Temperature
LS3	**PIN-6A**	**24V**	**1-20**	**35KZ**

LS3 3W LED Lazer Strip 3.3 Watts/ft	**PIN-6A** 6 Amp Pin	**24V** 24 Volt	**1-30** (LS3) **1-20** (LS5)	**24KZ** 2400K Amber White **27KZ** 2700K Very Warm White **30KZ** 3000K Warm White **35KZ** 3500K Neutral White **40KZ** 4000K Cool White	**RZ** Red **BZ** Blue **GZ** Green **AZ** Amber
LS5 5W LED Lazer Strip 4.4 Watts/ft					
LS3-ARC Lazer Strip Arc Diffused Lens, 3.3 Watts/ft					
LS5-ARC Lazer Strip Arc Diffused Lens, 4.4 Watts/ft					

TUNABLE WHITE & RGB

System	Type	Voltage	Length in Feet	Color Temperature
LS5	**PIN**	**24V**	**1-20**	**2K4K**
LS5 5W LED Lazer Strip 4.4 Watts/ft	**PIN** Pin Connector	**24V** 24 Volt	**1-20**	**2K4K** Tunable White 2000K-4000K **RGB** Red, Green and Blue

3"
(76mm)

0.47"
(12mm)

D+
D R
D G
D B
D C
D W

+
R
G
B
C
W
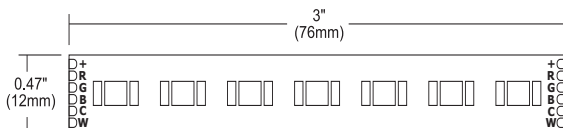
RGBTW LED STRIP

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. Requires WiZ or DMX power supplies and controls.

*Available as Indirect (Uplight) Only

Maximum length if fed from one end only
S5W5 – Pure Smart™ WiZ Pro: 40 ft, DMX: 20ft

Maximum length if fed from both ends
S5W5 – Pure Smart™ WiZ Pro: 20 ft, DMX: 10ft

System	Type	Voltage	Length in Feet	Color Temperature
S5W5	**PIN**	**24V**	**16**	**RGBTW**
S5W5 5 watts RGB & 5 watts Tunable White	**PIN** Pin Connector	**24V** 24 Volt	**1-20** 1' increments up to 20'*	**RGBTW** Red, Green, Blue and Tunable White 1500K-6500K

2.4"
(6.1cm)

0.47"
(1.2cm)

0.4"
(1cm)

+24U
R
G
B

+24V
R
G
B

SS6 RGBW LED SOFT STRIP

Provides color effects with Red, Green, Blue and White LEDs. Flexible copper strip with optically clear protective coating, and industrial strength 3M™ tape backing. Compatible with DMX controls and Power Feed Connector (sold separately).
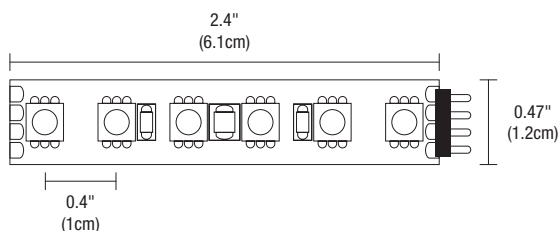
*Available as Indirect (Uplight) Only

Maximum length if fed from one end only
SS6 - 16'

Maximum length if fed from both ends
SS6 - 32'

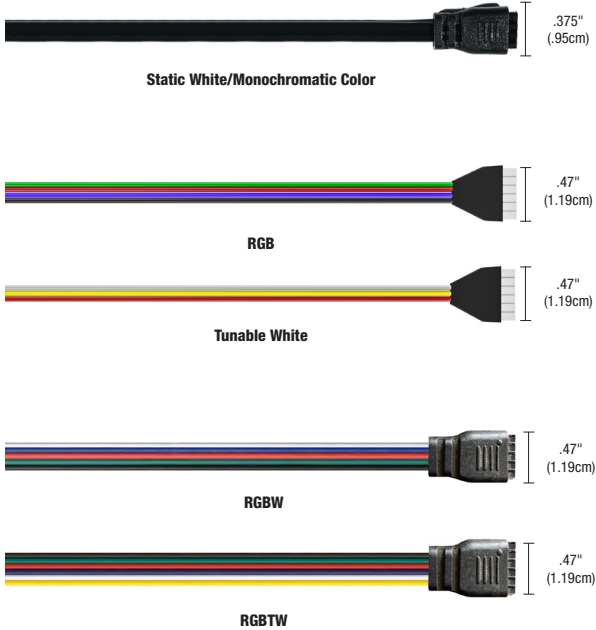| System	Type	Voltage	Length in Feet	Color Temperature
SS6	**PIN**	**24V**	**16**	**RGB20K**
SS6 6W LED Soft Strip	**PIN** Pin Connector	**24V** 24 Volt	**1-16** 1' increments up to 16'	**RGB20K** Red, Green, Blue + White 2000K **RGB27K** Red, Green, Blue + White 2700K **RGB30K** Red, Green, Blue + White 3000K **RGB35K** Red, Green, Blue + White 3500K **RGB40K** Red, Green, Blue + White 4000K

PROJECT		FIXTURE TYPE		DATE	

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LED STRIP ACCESSORIES

Static White/Monochromatic Color

.375"
(.95cm)

RGB

.47"
(1.19cm)

Tunable White

.47"
(1.19cm)

RGBW

.47"
(1.19cm)

RGBTW

.47"
(1.19cm)

POWER FEED CONNECTORS (REQUIRED)

Female power feed connector cord conducts power from the power supply to the male end of the LED strip.

STATIC WHITE/MONOCHROMATIC COLORS

System	Type	Length in Inches	Type
LS	PFE	12IN	6A
LS Lazer Strip	PFE Power Feed Connector Cord	12IN 12 Inches	6A 6 Amp

RGB & TUNABLE WHITE

System	Type	Length in Inches	Color Temperature
LS	PFE	12IN	RGB
LS Lazer Strip	PFE Power Feed Connector Cord	12IN 12 Inches	RGB Red, Green, & Blue TW Tunable White

RGBW & RGBTW

System	Type	Length in Inches	Color Temperature
SS	PFE	12IN	RGBTW
SS Soft Strip	PFE Power Feed Connector Cord	12IN 12 Inches	RGBW Red, Green, Blue & White RGBTW Red, Green, Blue & Tunable White

PIN CONNECTORS

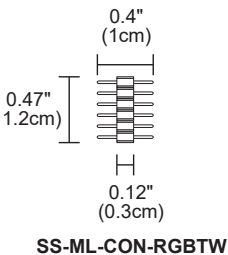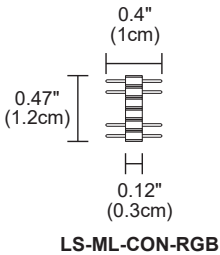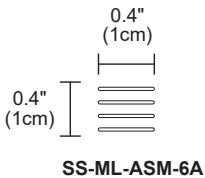Extra soldering pin connectors. Male only.

STATIC WHITE/MONOCHROMATIC COLORS

System	Product	Type
SS	ML	ASM-6A
SS Soft Strip	ML Male Connector	ASM-CON Male 6 Amp Connector

RGB & TUNABLE WHITE

System	Product	Type	
LS	ML	CON	RGB
LS Lazer Strip	ML Male Connector	CON Connector	RGB Red, Green & Blue

RGBW & RGBTW

System	Product	Type	Color Temperature
SS	ML	CON	RGBTW
SS Soft Strip	ML Male Connector	CON Connector	RGBW Red, Green, Blue & White RGBTW Red, Green, Blue & Tunable White

0.4"
(1cm)

0.4"
(1cm)

SS-ML-ASM-6A

0.4"
(1cm)

0.47"
(1.2cm)

0.12"
(0.3cm)

LS-ML-CON-RGB

0.4"
(1cm)

0.47"
1.2cm)

0.12"
(0.3cm)

SS-ML-CON-RGBTW

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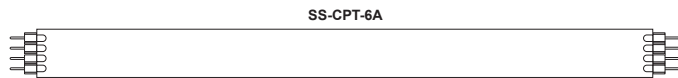
POWER TAPE
Flexible Connector Power Tape.

SS-CPT-6A

STATIC WHITE/MONOCHROMATIC COLORS

System	Product	Type	Length
SS	**CPT**	**6A**	**12IN**
SS Soft Strip	CPT Connector Power Tape	6A 6 Amp Pin Connector	3IN 3 Inches
			6IN 6 Inches
			12IN 12 Inches
			36IN 36 Inches
			96IN 96 Inches
			144IN 144 Inches

LS-CPT-XXIN-RGB

RGB & TUNABLE WHITE

System	Product	Length	Color Temperature
LS	**CPT**	**12IN**	**RGB**
LS Soft Strip	CPT Connector Power Tape	3IN 3 Inches	RGB Red, Green & Blue
		6IN 6 Inches	2K6K Tunable White
		12IN 12 Inches	
		36IN 36 Inches	
		96IN 96 Inches	
		144IN 144 Inches	

SS-CPT-XXIN-RGBTW

RGBW & RGBTW

System	Product	Length	Color Temperature
SS	**CPT**	**12IN**	**RGBTW**
SS Soft Strip	CPT Connector Power Tape	3IN 3 Inches	RGBW Red, Green, Blue & White
		6IN 6 Inches	RGBTW RGB + Tunable White 1500K-6500K
		12IN 12 Inches	
		36IN 36 Inches	
		96IN 96 Inches	
		144IN 144 Inches	

NOMINAL LAMP DATA

STATIC WHITE LS3 & LS5 LAZER STRIP								
WATTS PER FOOT	LS3 (3.3 watts)				LS5 (4.4 watts)			
COLOR TEMPERATURE	24K	27K	30K	35K	24K	27K	30K	35K
LUMENS PER FOOT (lm/ft)	253	269	361	363	318	338	454	456
LUMENS PER WATT (lm/w)	77	82	109	110	72	77	103	104

TUNABLE WHITE 2K4K LAZER STRIP							
WATTS PER FOOT	LS5 (4.4 watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	87	124	160	196	233	191	148
LUMENS PER WATT (lm/w)	34	40	43	46	48	52	58
CRI	94	83+	92+	92+	96	94+	93

RGBTW - S5W5 5W RGB & 5W TUNABLE WHITE									
WATTS PER FOOT	5W Tunable White								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	171	256	311	349	360	380	410	288	265
LUMENS PER WATT (lm/w)	63	56	71	82	85	87	98	98	111
CRI	92	94	95	95	96	97	97	92	90
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063
Rf	91	93	94	94	95	94	94	92	90
Rg	105	101	103	105	104	102	100	102	103
R9	90	90	90	94	97	97	91	81	70
R13	92	94	95	95	94	96	99	90	87
R15	99	99	99	98	97	97	97	89	85
WATTS/FOOT	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.4

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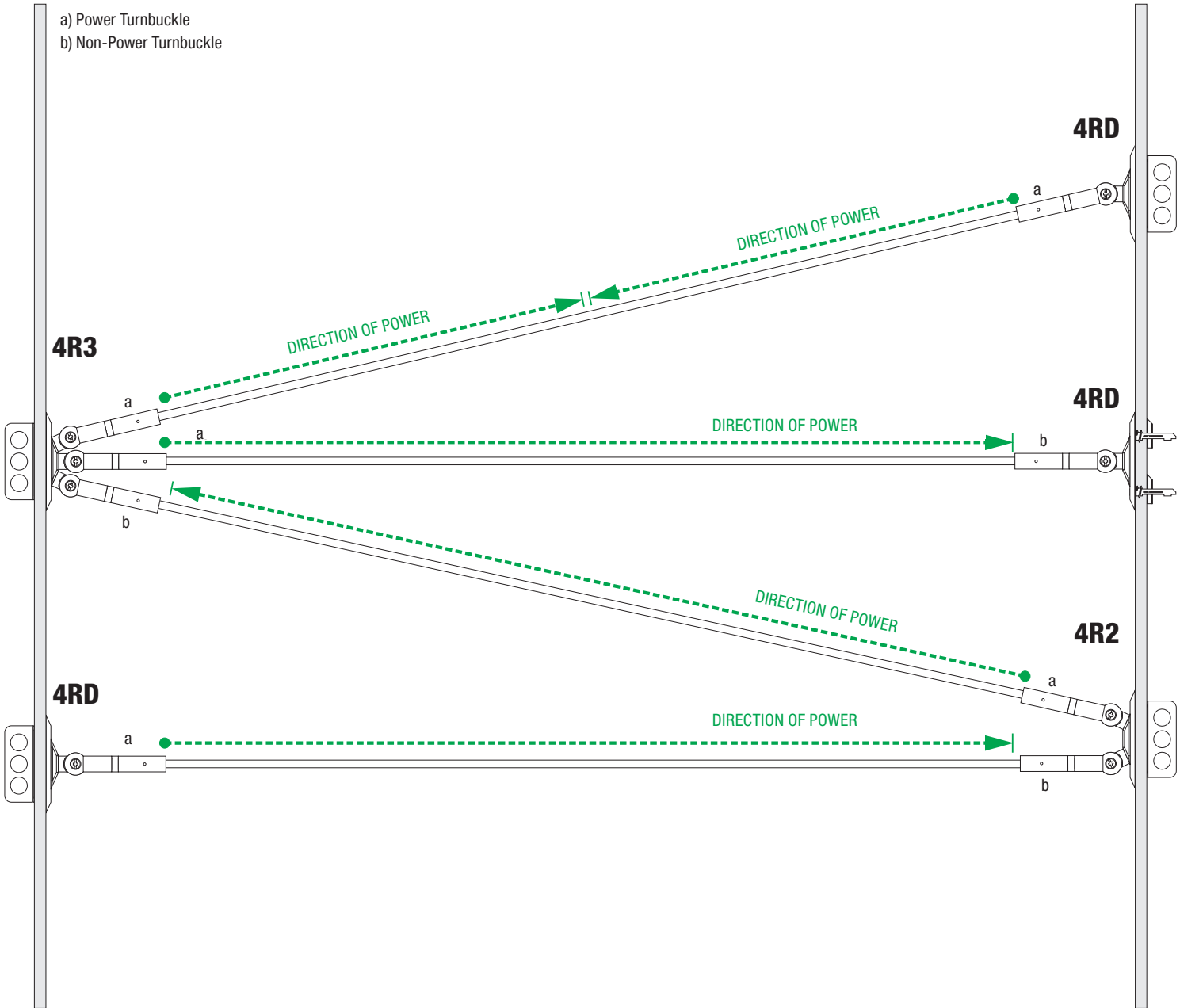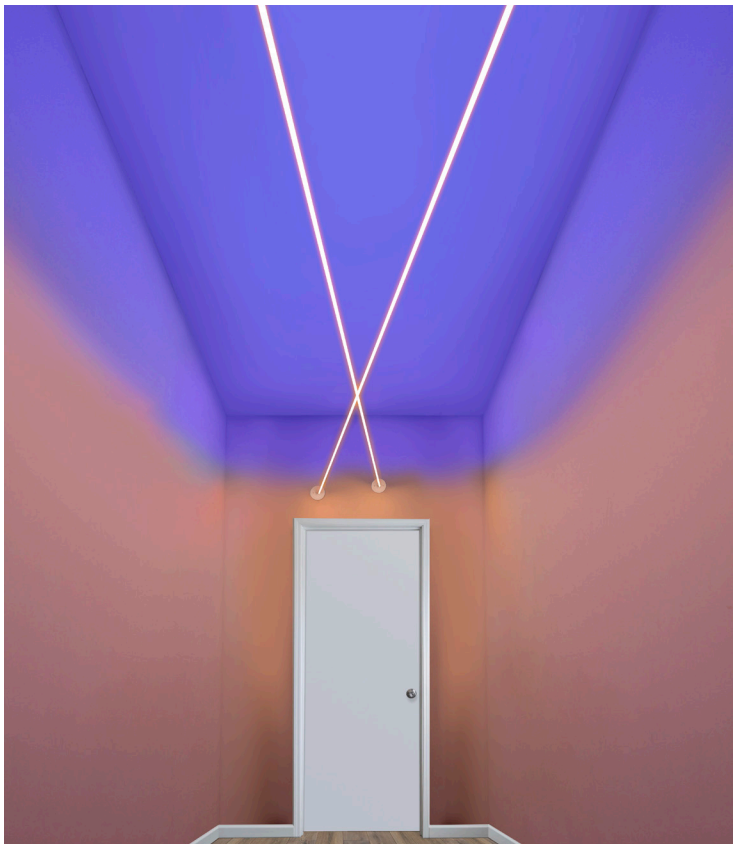PURE EDGE
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ETL Intertek | TW | RGB | RGBW | RGBTW | Wi-Fi | WiZ PRO

JUNCTION BOX

CEILING

WALL

WALL

POWER FEED TURNBUCKLE

LAZER LINE

ANCHOR

NON-POWER FEED TURNBUCKLE

JUNCTION BOX

POWER FEED TURNBUCKLE

LAZER LINE DIFFUSING LENS

LIBERTY LINK

ANCHOR

FIELD CUTTABLE

LAZER LINE STEEL TAPE IS 0.6" WIDE

4" JBOX WITH 2" PLASTER RING & 2" CANOPY (SHOWN)

Typical Drywall Configuration

LAZER LINE TURNBUCKLE - NON-POWER FEED INSTALLATION

POWER FEED CONNECTOR

LAZER LINE EXTRUSION WITH LED

CONFIGURABLE LED LENGTH UP TO 60'

TURNBUCKLE - POWER FEED INSTALLATION TO 4" JBOX

0.6" (1.52cm)

5" (12.7cm)

TURNBUCKLE - POWER FEED INSTALLATION

TURNBUCKLE - NON-POWER FEED INSTALLATION (IF APPLICABLE)

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TW | RGB | RGBW | RGBTW | Wi-Fi | WiZ PRO

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LAZER LINE TURNBUCKLE CONFIGURATION EXAMPLES

a) Power Turnbuckle
b) Non-Power Turnbuckle

4RD

DIRECTION OF POWER

4R3

DIRECTION OF POWER

a

a

b

4RD

DIRECTION OF POWER

b

4R2

DIRECTION OF POWER

a

4RD

a

DIRECTION OF POWER

b

PROJECT		FIXTURE TYPE		DATE	

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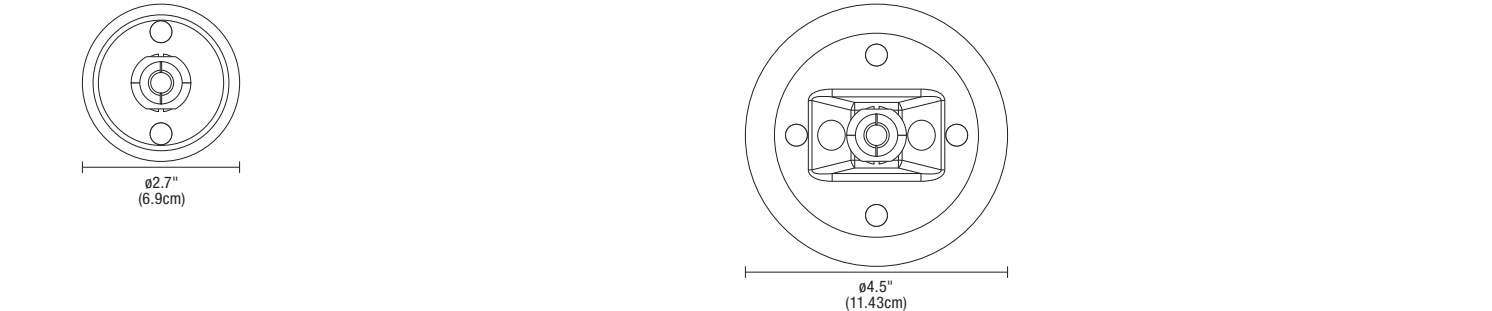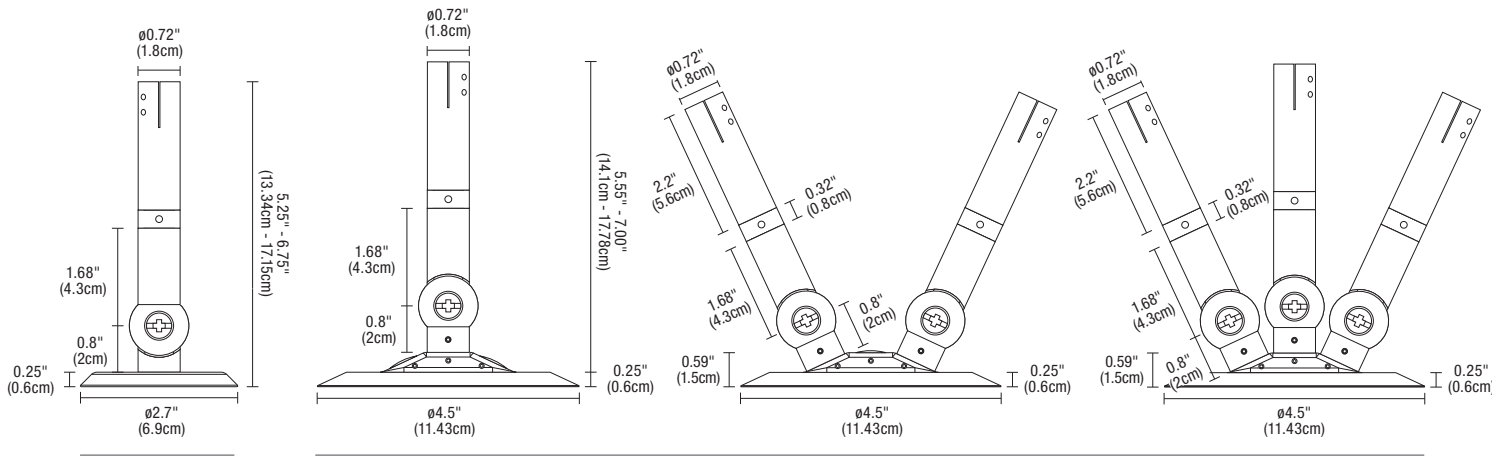
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LAZER LINE LIGHTING SYSTEM SLIM TURNBUCKLE DIY
SUSPENDED LED LIGHTING SYSTEM, 24VDC REMOTE POWER SUPPLY

LAZER LINE UP/DOWN (RGB UP LIGHT, DOWN 27K)

LAZER LINE DOWN (27K)

ø0.72"
(1.8cm)

5.25" - 6.75"
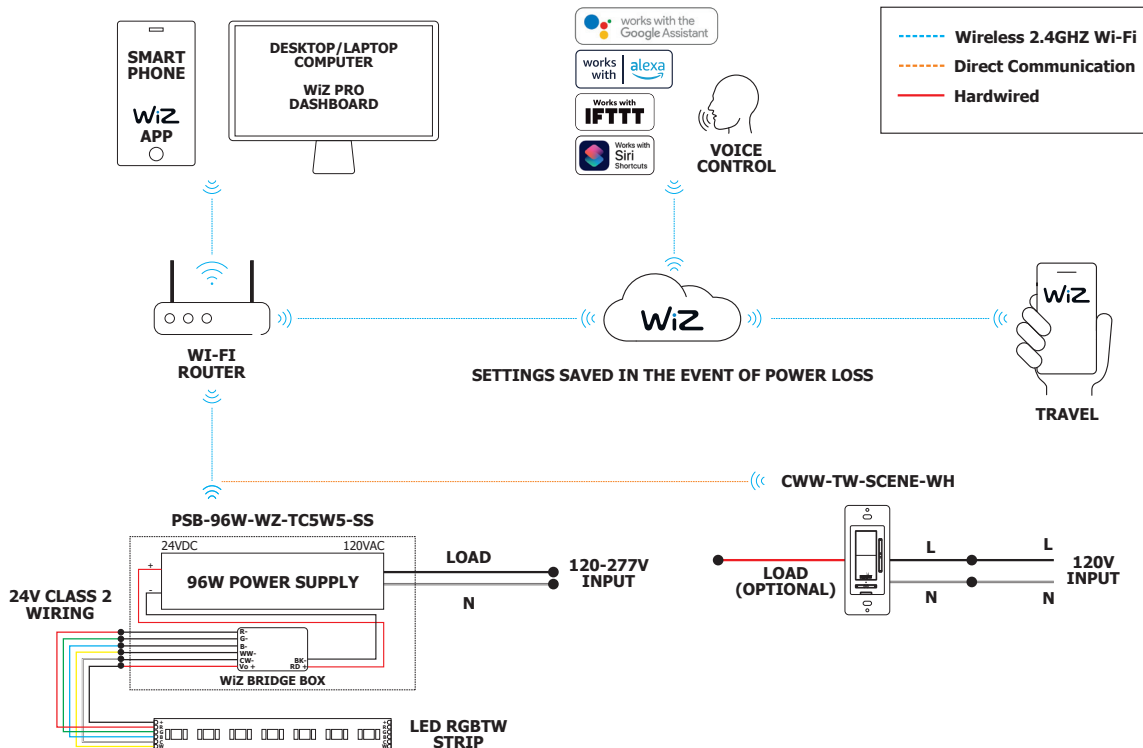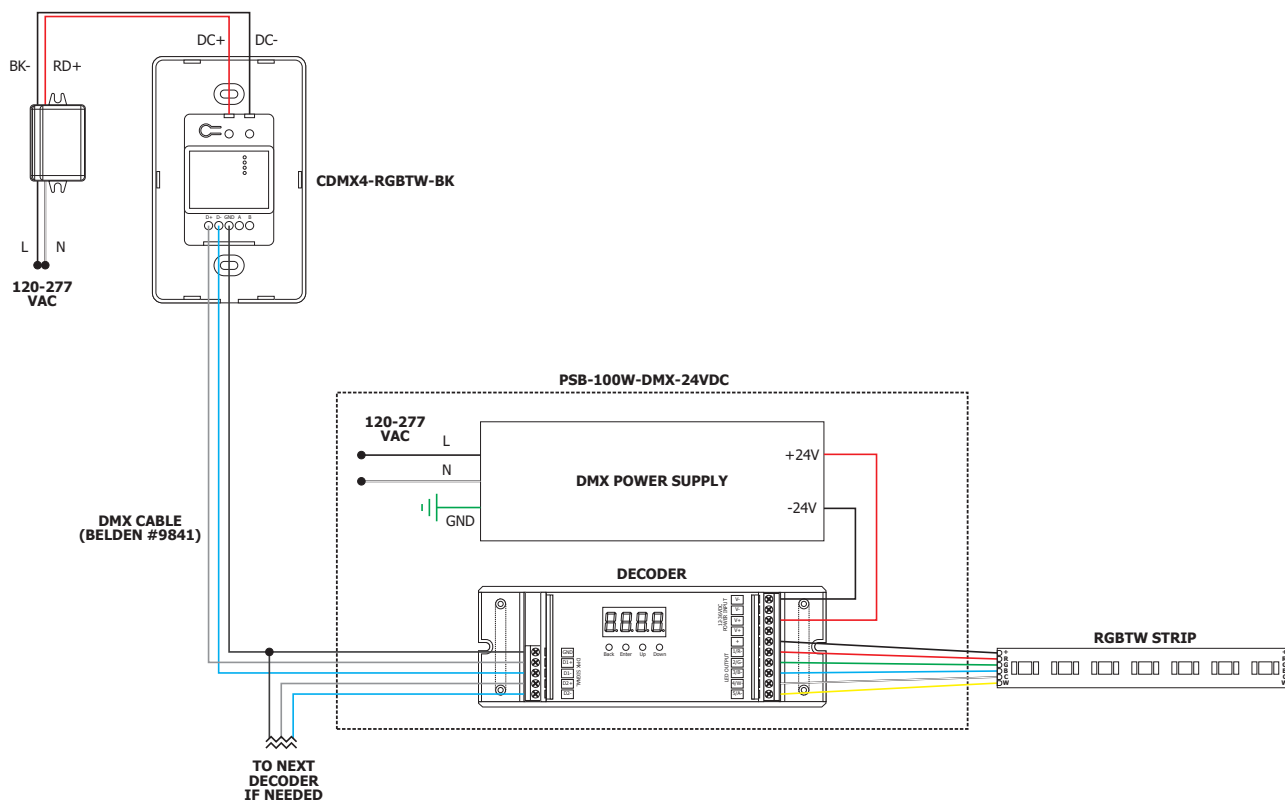(13.34cm - 17.15cm)

1.68"
(4.3cm)

0.8"
(2cm)

0.25"
(0.6cm)

ø2.7"
(6.9cm)

ø0.72"
(1.8cm)

5.55" - 7.00"
(14.1cm - 17.78cm)

1.68"
(4.3cm)

0.8"
(2cm)

0.25"
(0.6cm)

ø4.5"
(11.43cm)

ø0.72"
(1.8cm)

2.2"
(5.6cm)

0.32"
(0.8cm)

1.68"
(4.3cm)

0.8"
(2cm)

0.59"
(1.5cm)

0.25"
(0.6cm)

ø4.5"
(11.43cm)

ø0.72"
(1.8cm)

2.2"
(5.6cm)

0.32"
(0.8cm)

1.68"
(4.3cm)

0.8"
(2cm)

0.59"
(1.5cm)

0.25"
(0.6cm)

ø4.5"
(11.43cm)

ø2.7"
(6.9cm)

ø4.5"
(11.43cm)

4RD, 4R2 & 4R3 SHARE SAME CANOPY

PROJECT		FIXTURE TYPE		DATE	

LAZER LINE LIGHTING SYSTEM SLIM TURNBUCKLE DIY
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PURE EDGE
PureSmart Lighting

RGBTW WIRING DIAGRAM

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

WiZ

SETTINGS SAVED IN THE EVENT OF POWER LOSS

TRAVEL

CWW-TW-SCENE-WH

PSB-96W-WZ-TC5W5-SS

24VDC | 120VAC
96W POWER SUPPLY

24V CLASS 2 WIRING

LOAD

120-277V INPUT

N

R-
G-
B-
WW-
CW-
Vo +
BK-
RD +

WiZ BRIDGE BOX

LED RGBTW STRIP

LOAD (OPTIONAL)

L | L
N | N

120V INPUT

RGBTW WIRING DIAGRAM

BK- | RD+

DC+ | DC-

CDMX4-RGBTW-BK

L | N

120-277 VAC

DMX CABLE (BELDEN #9841)

PSB-100W-DMX-24VDC

120-277 VAC
L
N
GND

DMX POWER SUPPLY

+24V
-24V

DECODER

Back Enter Up Down

RGBTW STRIP

TO NEXT DECODER IF NEEDED

PROJECT		FIXTURE TYPE		DATE	

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

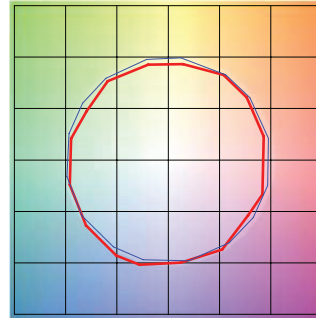### 2400K | Rf: 91.2 | Rg: 96.8
Color Vector Graphic
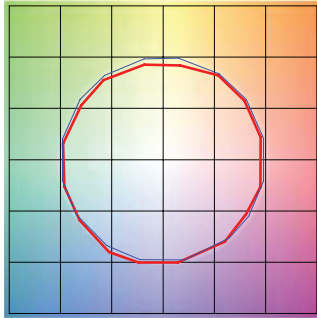
Test ■ Reference ■

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

2700K | Rf: 87.7 | Rg: 96.1
Color Vector Graphic

Test ■ Reference ■

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
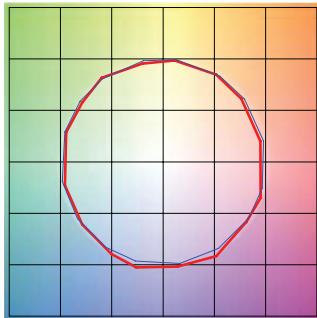
Test ■ Reference ■

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
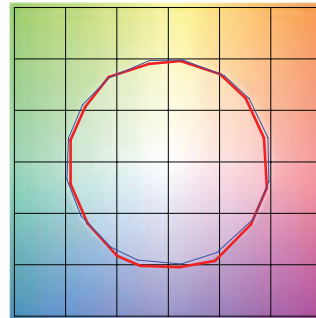
Test ■ Reference ■

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%

2000K ONLY (2K6K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic
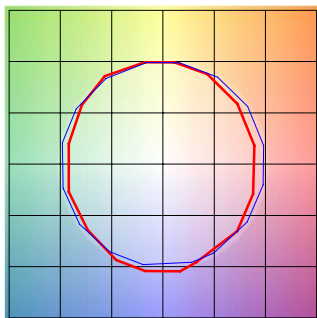
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

3000K (2K6K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic
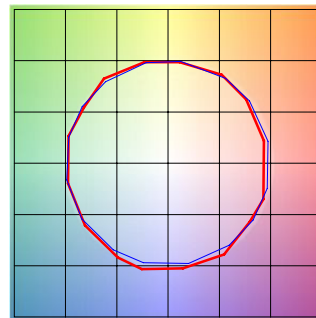
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

PROJECT		FIXTURE TYPE		DATE	

TM-30-15 DATA: The data below is for Lazer Strip bare LED Soft 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.
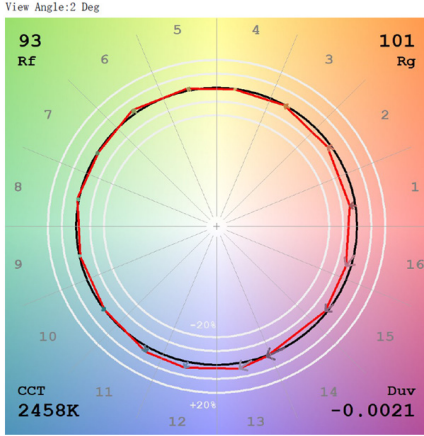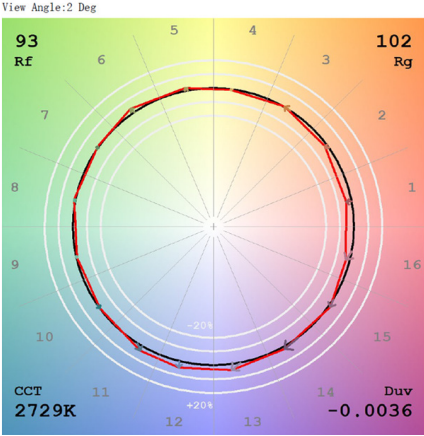
2000K (TruColor™ RGBTW)
View Angle:2 Deg
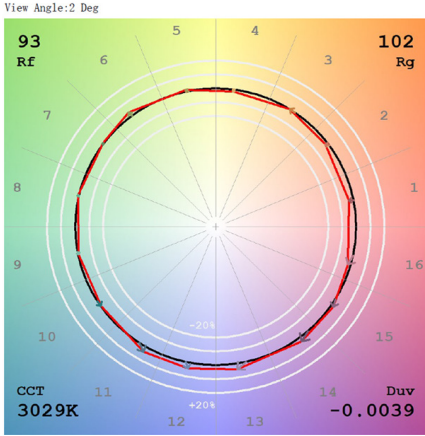|	
91 Rf	103 Rg
CCT 2056K	Duv −0.0029

2200K (TruColor™ RGBTW)
View Angle:2 Deg
93 Rf	98 Rg
CCT 2289K	Duv −0.0004

2400K (TruColor™ RGBTW)
View Angle:2 Deg
93 Rf	101 Rg
CCT 2458K	Duv −0.0021

2700K (TruColor™ RGBTW)
View Angle:2 Deg
93 Rf	102 Rg
CCT 2729K	Duv −0.0036

3000K (TruColor™ RGBTW)
View Angle:2 Deg
93 Rf	102 Rg
CCT 3029K	Duv −0.0039

3500K (TruColor™ RGBTW)
View Angle:2 Deg
93 Rf	100 Rg
CCT 3519K	Duv −0.0029

4000K (TruColor™ RGBTW)
View Angle:2 Deg
91 Rf	98 Rg
CCT 4068K	Duv −0.0005

5700K (TruColor™ RGBTW)
View Angle:2 Deg
91 Rf	100 Rg
CCT 5734K	Duv 0.0000

6500K (TruColor™ RGBTW)
View Angle:2 Deg
90 Rf	99 Rg
CCT 6523K	Duv 0.0001

PROJECT		FIXTURE TYPE		DATE	