

SUSPENDED LED LIGHTING SYSTEM, 24VDC REMOTE POWER SUPPLY



DESIGNED BY DEREK PORTER & GREGORY KAY | ASSEMBLED IN AMERICA | US PATENT ISSUED

REV 11.28.23



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 0-60° 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 0.5" 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 & Controls
- UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V)

Tunable White

- Pure Smart™ WiZ Pro Power Supplies & 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

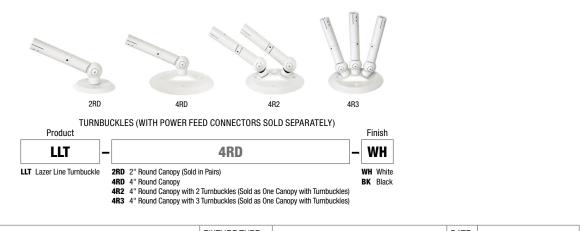
Pure Smart™ WiZ Pro Power Supplies & Controls

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

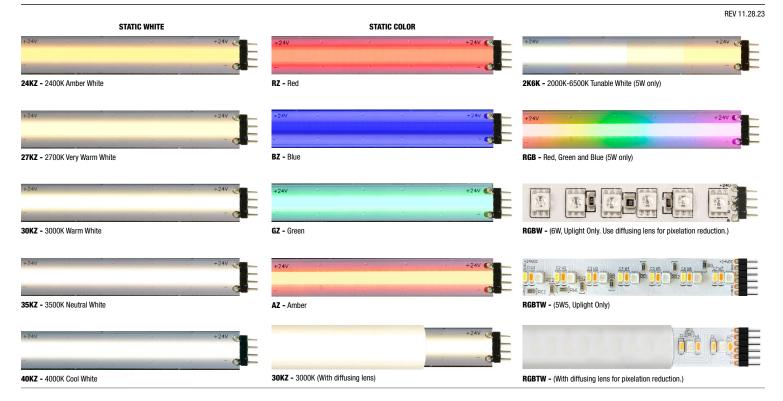
ETL, Class 2, Damp Rated







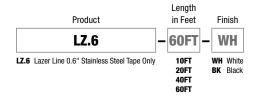


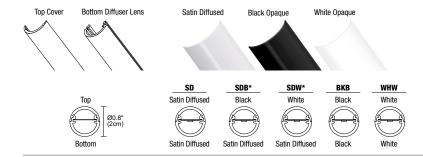




LAZER LINE STAINLESS STEEL TAPE

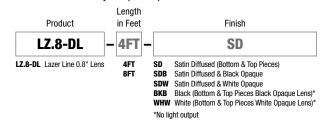
0.6" Stainless Steel Tape Only.

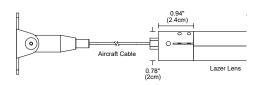




OPTIONAL LENSES

0.8" Diameter lenses easily snap into place.

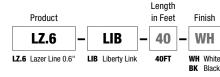






LIBERTY LINK

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.



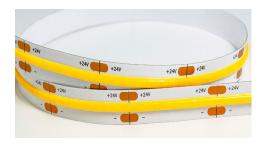
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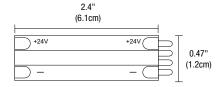
SUSPENDED LED LIGHTING SYSTEM, 24VDC REMOTE POWER SUPPLY



LED LAZER STRIP - USE FOR UP OR DOWN LIGHT

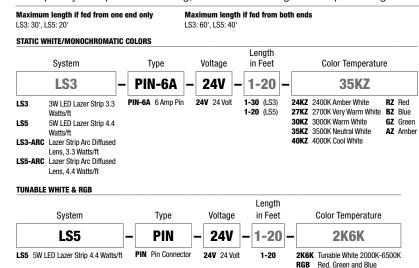
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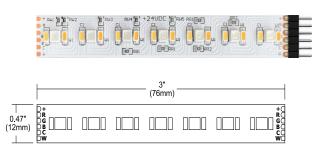




LS3, LS5 LED LAZER STRIP

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.

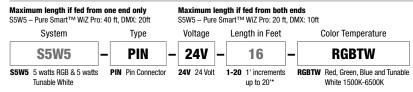




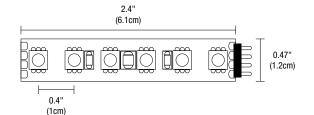
RGBTW LED STRIP

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



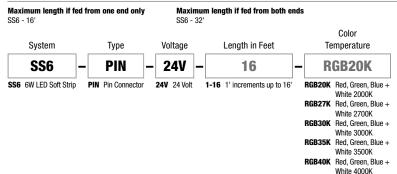




SS6 RGBW LED SOFT STRIP

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



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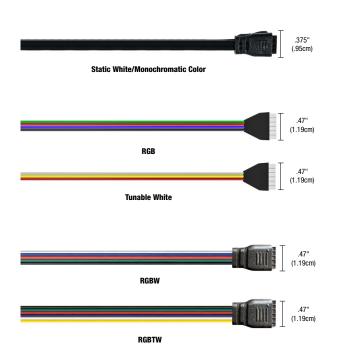


SUSPENDED LED LIGHTING SYSTEM, 24VDC REMOTE POWER SUPPLY



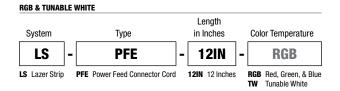
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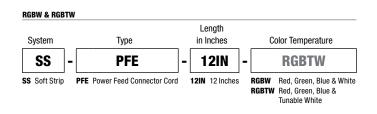
LED STRIP ACCESSORIES



POWER FEED CONNECTORS (REQUIRED)

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

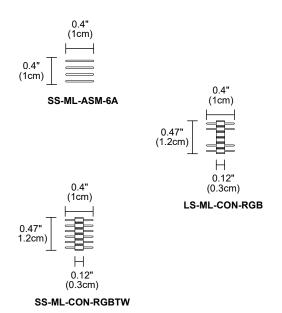


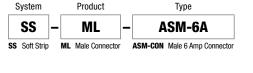


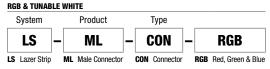


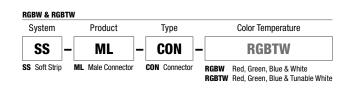
STATIC WHITE/MONOCHROMATIC COLORS

Extra soldering pin connectors. Male only.













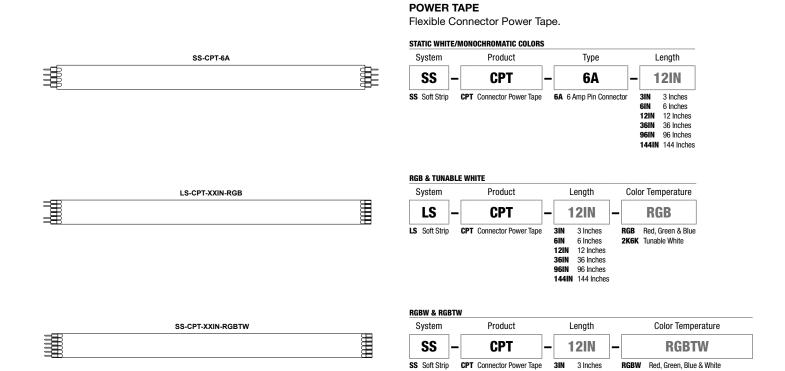
RGBTW RGB + Tunable White 1500K-6500K

6 Inches 12 Inches

36IN 36 Inches **96IN** 96 Inches **144IN** 144 Inches

12IN

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NOMINAL LAMP DATA

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

		TUNABLE WHITE 2K6K LAZER STRIP							
WATTS PER FOOT		LS5 (4.4 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (Im/ft)	197	245	308	355	394	415	350	229	229
LUMENS PER WATT (Im/w)	56	58	87	100	111	59	61	58	67
CRI	81	87	90	90	90	93	92	92	93

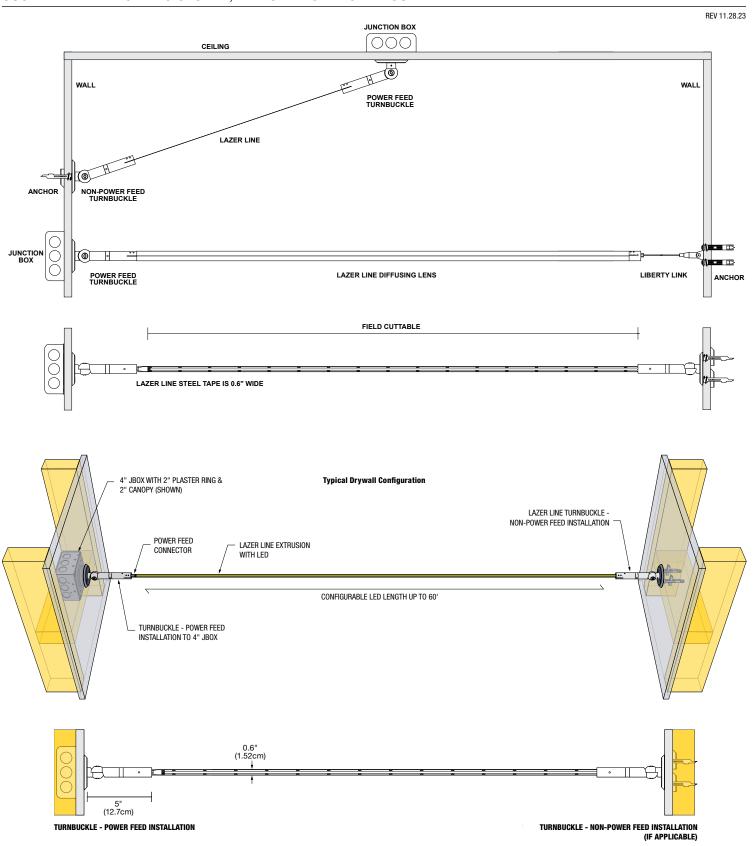
		RGBTW - S5W5 5W RGB & 5W TUNABLE WHITE							
WATTS PER FOOT	5W Tunable White								
COLOR TEMPERATURE	20K	20K 22K 24K 27K 30K 35K 40K 57K 65K							
LUMENS PER FOOT (Im/ft)	171	256	311	349	360	380	410	288	265
LUMENS PER WATT (Im/w)	63	56	71	82	85	87	98	98	111
CRI	92	94	95	95	96	97	97	92	90
Duv	-0.004	-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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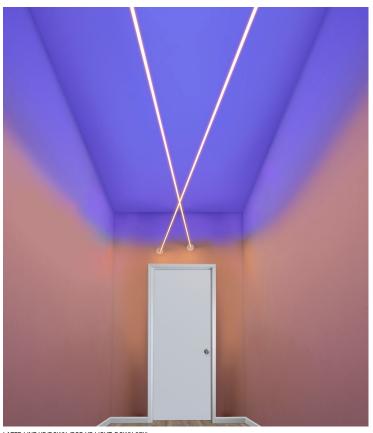


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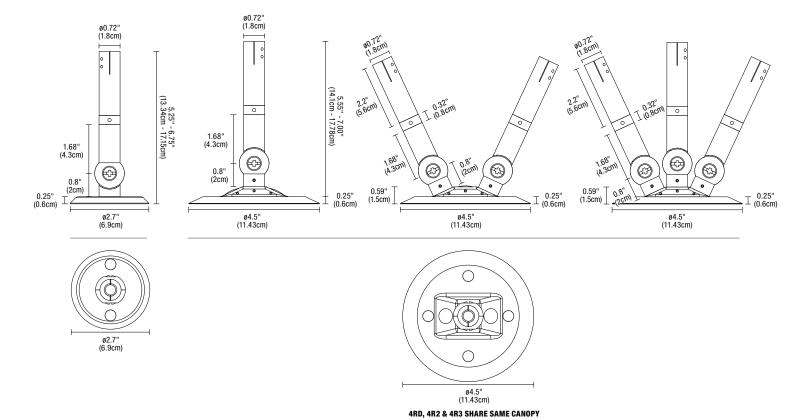
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LAZER LINE UP/DOWN (RGB UP LIGHT, DOWN 27K)

LAZER LINE DOWN (27K)



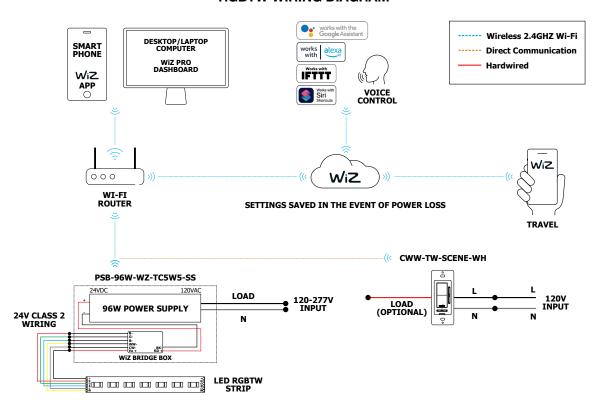


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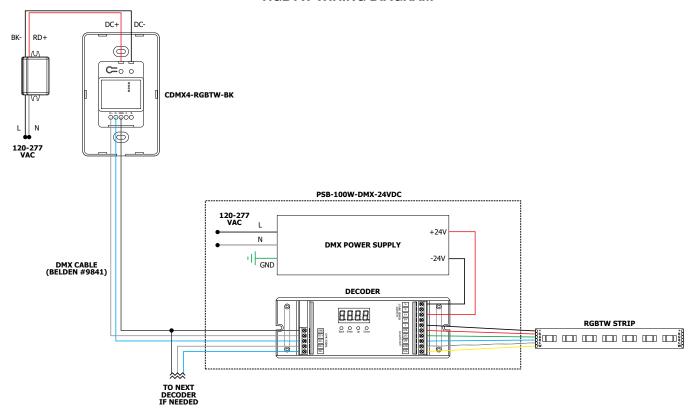


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RGBTW WIRING DIAGRAM



RGBTW WIRING DIAGRAM



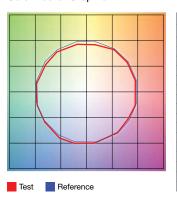
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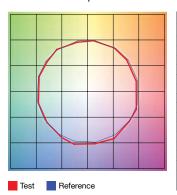
TM-30-15 DATA: The data below is for Lazer Strip bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2400K | Rf: 91.2 | Rg: 96.8 Color Vector Graphic



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

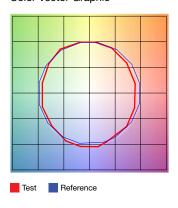
3000K | Rf: 88.1 | Rg: 99.7 Color Vector Graphic



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

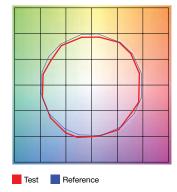
2000K ONLY (2K6K) | Rf: 84.3 | Rg: 96.9

Color Vector Graphic



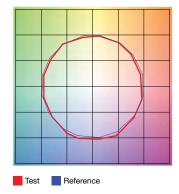
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15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

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



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

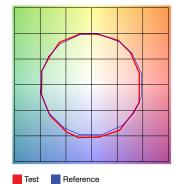
3500K | Rf: 86.1 | Rg: 95.5 Color Vector Graphic



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

3000K (2K6K) | Rf: 90.2 | Rg: 101.4

Color Vector Graphic



		GRAPHIC	SHIFTS %
HUE BIN	Rf	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%

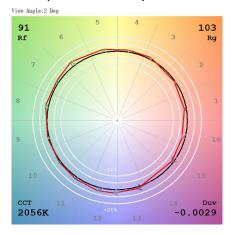
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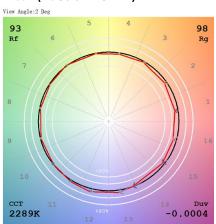
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TM-30-15 DATA: The data below is for Lazer Strip bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter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

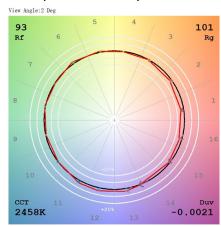
2000K (TruColor™ RGBTW)



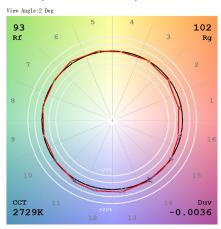
2200K (TruColor™ RGBTW)



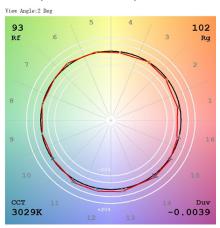
2400K (TruColor™ RGBTW)



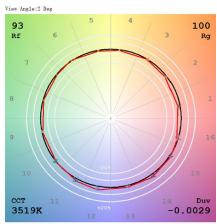
2700K (TruColor™ RGBTW)



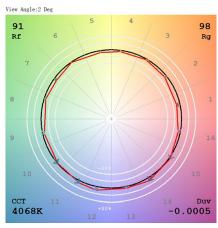
3000K (TruColor™ RGBTW)



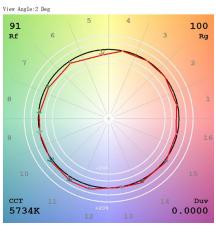
3500K (TruColor™ RGBTW)



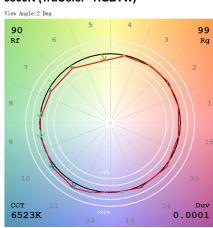
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT	FIXTURE TYPE	DATE	