

TRUCIRQUE .5A STATIC WHITE

24VDC REMOTE POWER, PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PAT. US 11,906,129 B1

REV 04.16.26



PureEdge is the Original Designer of 5/8" Drywall Lighting Systems

DESCRIPTION

PureEdge Lighting, the pioneer of 5/8" drywall systems, now brings you TruCirque .5A. Our innovative and highly efficient system blends seamlessly into the drywall, becoming part of the architecture and redefining the relationship between lighting and interior design. TruCirque brings the same ease of installation as our other 5/8" drywall families to a pristine circle of illumination. The slim extrusions are offered in various diameters from 2 to 18 feet, supplied with a diffused, flexible lens. TruCirque provides smooth, glare-free illumination using high color rendering LEDs (CRI). Offered in multiple wattage and color temperatures ranging from 2400K through 4000K as well as High Lumen static white from 2700K-4000K. Click here for all [Other Color Temperatures](#). Influenced by simplicity and elegance, TruCirque brings together a modern and dynamic aesthetic to residential and commercial environments. Let the drywall be your canvas. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, email our design team: design@PureEdgeLighting.com.

MAXIMUM DIAMETER BEFORE RE-FEEDING

2WDC, 2.5 watts per foot - 12'

5WDC, 5 watts per foot - 6'

7WDC, 7.5 watts per foot - 3'

INCLUDED COMPONENTS

TruCirque .5" wide, Power Channel Connector(s) with Junction Box, Channel Joiners, Mounting Straps, Drywall Screws, LED Strip, and Flexible Diffused Lens

LAMP

- Offered in High Lumen Static White: 2700K, 3000K, 3500K & 4000K
- Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K
- Lumen Performance: 770lm/ft at 3000K 7W per foot
- Designer Grade High CRI 94+ LEDs
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

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

24VDC, Class 2 wiring

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

CONTROLS

- [Pure Smart™ Wi-Fi Dimmer](#)

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

APPLICATIONS

Designed for use in any drywall/gypsum board application, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

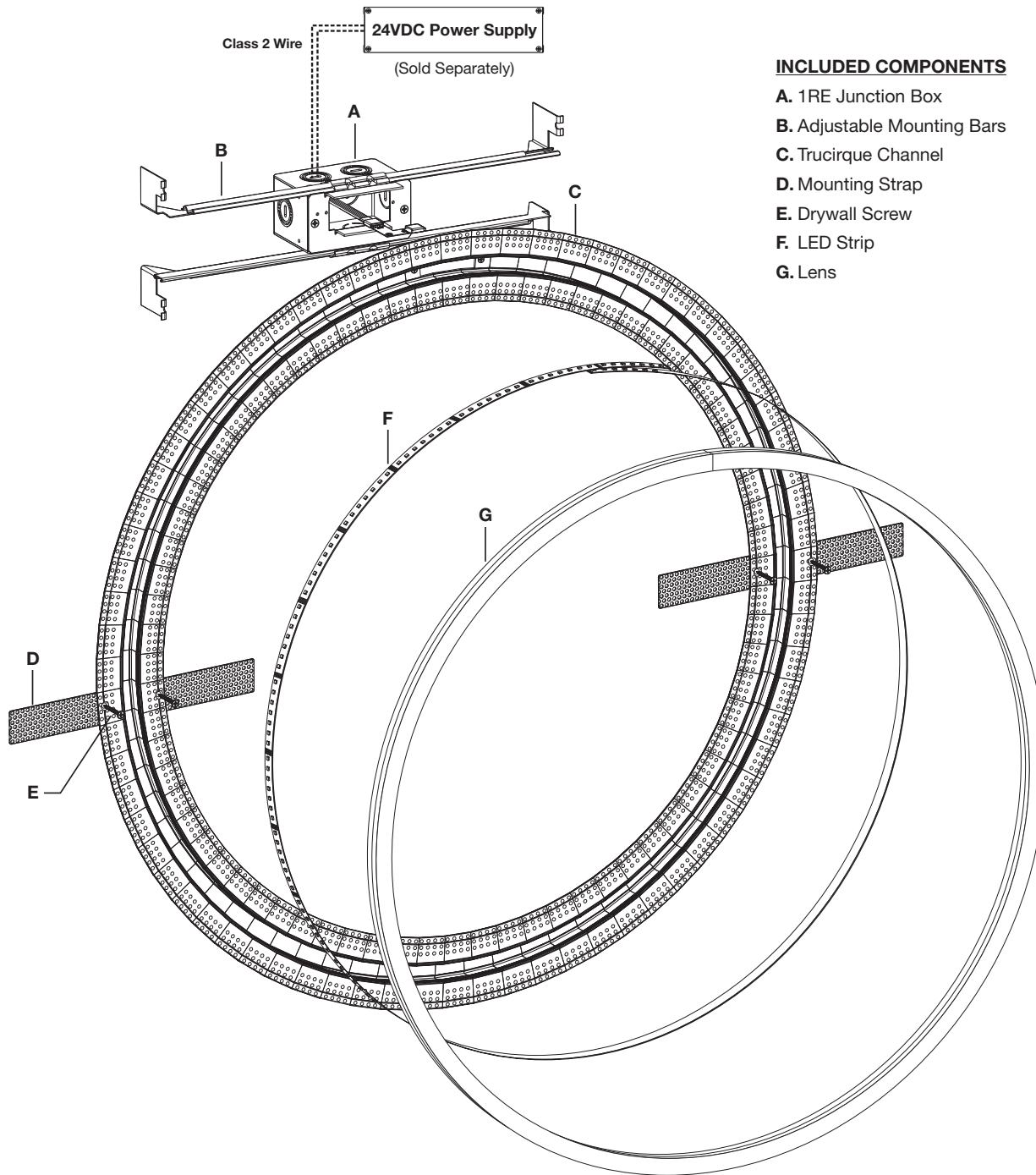
COMPLIANCE

ETL, Class 2, Damp Location, Assembled in USA.

System	Watts Per Foot	Diameter in Feet	Color Temperature
TCIR.5	2W	4FT	ST27K
TCIR.5 TruCirque .5"	2W 2.5 Watts 5W 5 Watts 7W 7.5 Watts	2FT 7FT 13FT 2.5FT 8FT 14FT 3FT*** 9FT 15FT 4FT 10FT 16FT 5FT 11FT 17FT 6FT** 12FT* 18FT Maximum Diameter before re-feeding: *2.5W **5W ***7.5W	ST24K 2400K Very Warm White ST27K 2700K Incandescent White 27KH 2700K Incandescent White High Lumens ST30K 3000K Warm White 30KH 3000K Warm White High Lumens ST35K 3500K Neutral White 35KH 3500K Neutral White High Lumens ST40K 4000K Cool White 40KH 4000K Cool White High Lumens

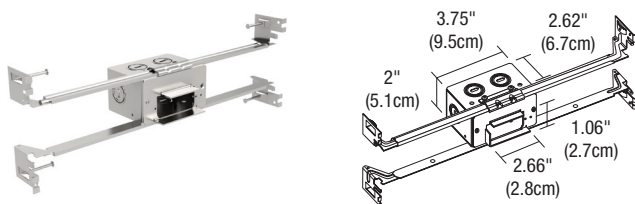
TRUCIRQUE .5A STATIC WHITE

24VDC REMOTE POWER, PLASTER-IN LED SYSTEM



INCLUDED COMPONENTS

- A. 1RE Junction Box
- B. Adjustable Mounting Bars
- C. Trucirque Channel
- D. Mounting Strap
- E. Drywall Screw
- F. LED Strip
- G. Lens



JUNCTION BOX ROUGH-IN COMPONENT (INCLUDED)

Junction Box is included with TruCirque .5A. Order additional Junction Boxes separately to rough-in electrical wiring before drywall installation. Quick shipment available. See DIY Spec Sheet for all component options.

System	Size	Component
TL5A	1RE	JBOX
TL5A TruLine .5A	1RE 1" Rectangle	JBOX Junction Box

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NOMINAL DELIVERED LUMENS

	STATIC WHITE														
DESCRIPTION	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)	171	173	180	207	218	317	320	333	382	403	489	494	515	590	623
LUMENS PER WATT (lm/w)	68	69	72	83	87	72	73	76	87	92	67	68	70	81	85
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

	STATIC WHITE HIGH LUMENS											
DESCRIPTION	SS2B				SS5B				SS7B			
WATTS PER FOOT	2.8W				6W				8.3W			
COLOR TEMPERATURE	27KH	30KH	35KH	40KH	27KH	30KH	35KH	40KH	27KH	30KH	35KH	40KH
LUMENS PER FOOT (lm/ft)	272	281	288	277	555	561	610	572	742	770	830	791
LUMENS PER WATT (lm/w)	95	99	103	101	91	94	101	98	89	92	100	97
CRI	95	94	93	93	95	94	93	93	95	94	93	93

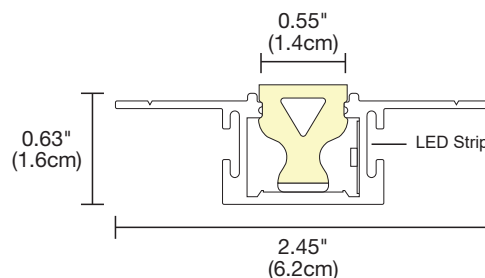
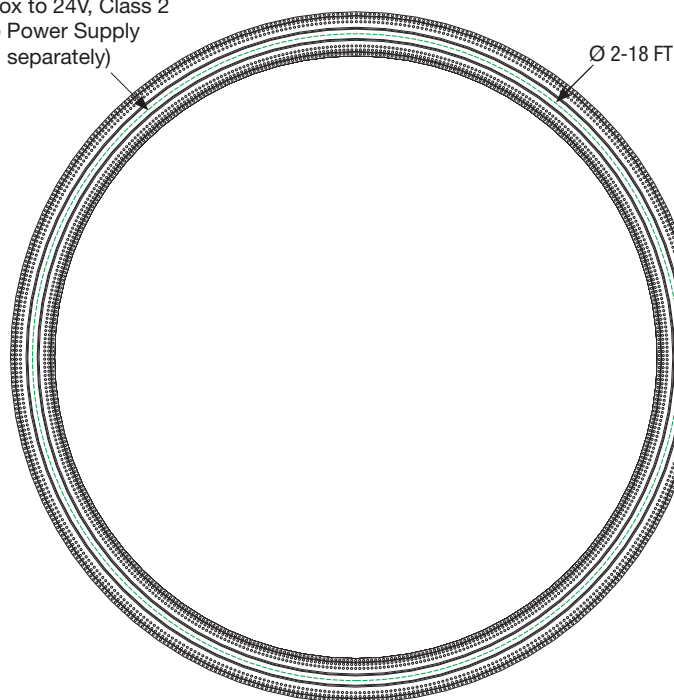
POWER SUPPLIES NEEDED

TRUCIRQUE DIAMETER IN FEET	LED STRIP LENGTH IN FEET	2 WATT		5 WATT		7 WATT	
		2W STRIP TOTAL WATTAGE	2W # OF POWER SUPPLIES	5W STRIP TOTAL WATTAGE	5W # OF POWER SUPPLIES	7W STRIP TOTAL WATTAGE	7W # OF POWER SUPPLIES
2	7	18	1	35	1	52	1
2.5	8	20	1	40	1	59	1
3***	10	25	1	50	1	74	1
4	13	33	1	65	1	96	1
5	16	40	1	80	1	118	2
6**	19	48	1	95	1	141	2
7	22	55	1	110	2	163	2
8	26	65	1	130	2	192	2
9	29	73	1	145	2	215	3
10	32	80	1	160	2	237	3
11	35	88	1	175	2	259	3
12*	38	95	1	190	2	281	3
13	41	103	2	205	3	303	4
14	44	110	2	220	3	326	4
15	48	120	2	240	3	355	4
16	51	128	2	255	3	377	4
17	54	135	2	270	3	400	4
18	57	143	2	285	3	422	5

MAXIMUM LENGTH BEFORE RE-FEEDING *2W **5W ***7W

INCLUDED COMPONENTS

Junction Box to 24V, Class 2
 Remote Power Supply
 (sold separately)



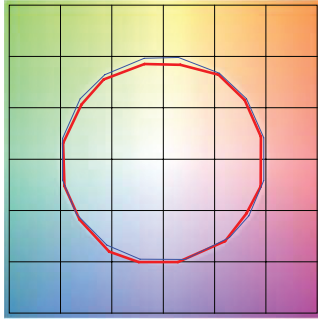
LED STRIP TM30 DATA

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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

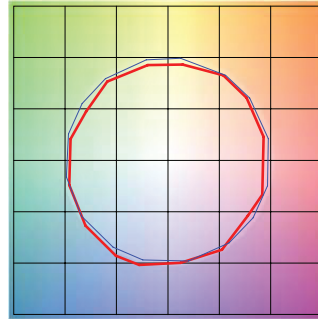


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

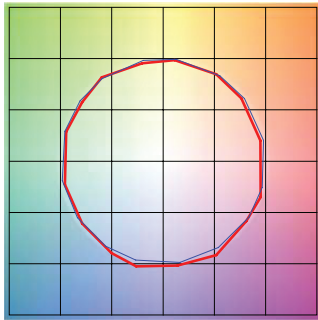


■ Test ■ Reference

		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%

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

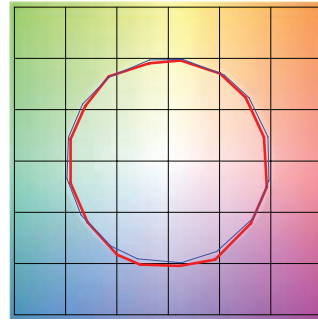


■ Test ■ Reference

		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%

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

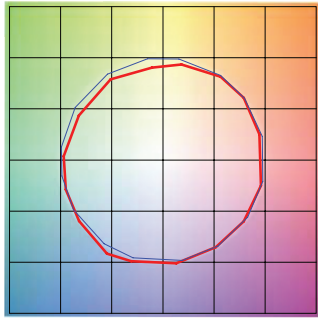


■ Test ■ Reference

		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%

4000K | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%