

TRULINE 1.6A STATIC WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.16.23



Let the Drywall Be Your Canvas

DESCRIPTION

PureEdge pioneered the TruLine 1.6A Plaster-in, fully dimmable 24VDC LED system that Recesses within 5/8" drywall, without any joist modification. Redefining the relationship between Lighting and Interior Design, this Innovative and highly Efficient system blends seamlessly into the drywall, becoming part of the Architecture. The slim extrusions, LED strips, and lenses are field-cuttable and ordered in 1-foot increments (up to 40' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and Glare-free general illumination using Designer-grade Color Rendering LEDs (95+ CRI). With the ability to run in vertical, horizontal, and diagonal directions, the compositions are truly endless. TruLine1.6A is offered in a broad range of wattages and color temperatures ranging from **2400K** through **4000K**. Click here for all [Other Color Temperatures](#). Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

DESIGN NOTE

TruLine 1.6A can be installed on a single surface, join runs on multiple planes from wall to ceiling, or from one wall to an adjacent wall. Use TruLine 1.6A Build-It-Yourself (**BIY**) with pre-formed components to create desired configurations, including Mitered Picture Frame and Outside or Inside Corners for Room Wrapping installations. Create square or rectangular compositions with TruQuad 1.6A.

ORDERING & INSTALLATION

Truline 1.6A may be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Order in 1' increments, field-cuttable to any length. Maximum Lengths before re-feeding:

- 5 watts per foot - 40' (2 x 2.5WDC)
- 10 watts per foot - 20' (2 x 5WDC)
- 14 watts per foot - 12' (2 x 7.5WDC)

LAMP

- Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K
- Lumen Performance: 1370lm/ft at 3000K 14W per foot
- Designer Grade High CRI 95+ 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 \(TRIAC, ELV, 0-10V\)](#)

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

APPLICATIONS

Designed for any indoor space with drywall. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

COMPLIANCE

Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies, ETL, Class 2, RoHS, Damp Location, Made in USA.

For quick & easy reference, plus the most up-to-date pricing, use our [Truline 1.6A Configurator](#)

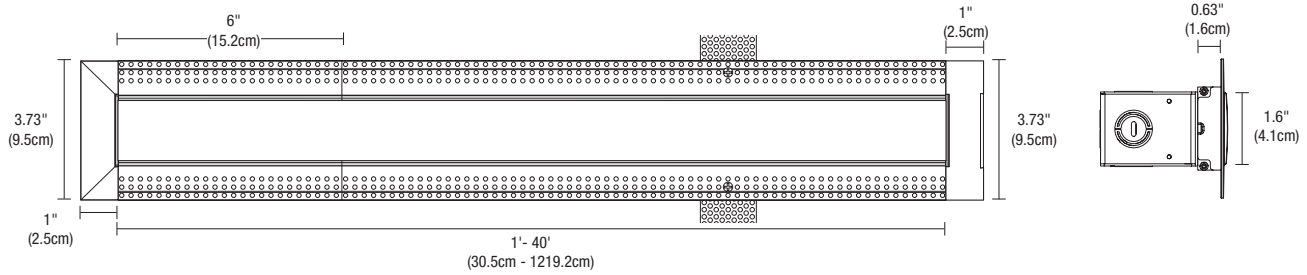
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.

System	Watts Per Foot	Length in Feet	Color Temperature
TL1.6A	5WDC	40FT	ST27K
TL1.6A TruLine 1.6A	5WDC 2x2.5 Watts (40 ft Max) 10WDC 2x5 Watts (20 ft Max) 14WDC 2x7.5 Watts (12 ft Max)	1-40FT 1-20FT 1-12FT	ST24K 2400K Very Warm White ST27K 2700K Incandescent White ST30K 3000K Warm White ST35K 3500K Neutral White ST40K 4000K Cool White

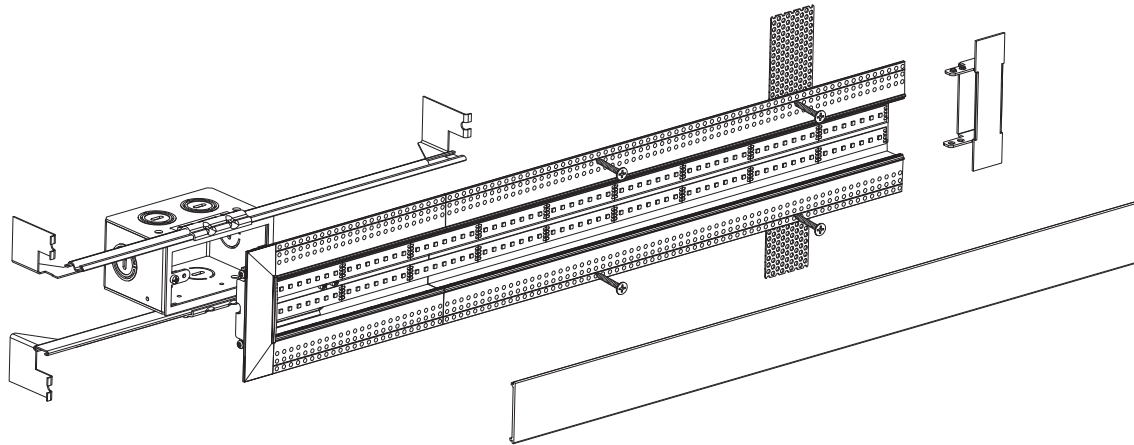
PROJECT		FIXTURE TYPE		DATE	
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TRULINE 1.6A STATIC WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM



INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces and orientations. May be secured to studs that are spaced 13"-24" apart.

C. TRULINE 1.6A CHANNEL

5/8" deep extrusion house for two rows of LED Strips.

D. POWER END CAP

Provides a finished look and prevents light leak at feed-end of runs where LED Strip enters the channel.

E. TAKE-UP BOX

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

F. MOUNTING STRAP

Secures channel to drywall when wall stud is unavailable.

G. DRYWALL SCREW

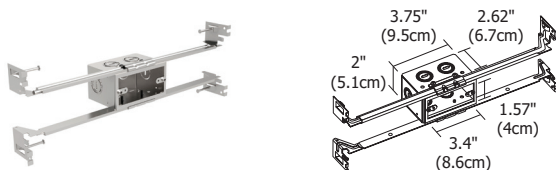
Secures channel to drywall and stud.

H. LED STRIPS

Your selection of LED Strip CCT. TruLine 1.6A comes with two LED Strips.

I. LENS

1.6" wide diffused white lens projects a clean line of light without pixelation.



JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with TruLine 1.6A. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component
TL1.6A	1RE	JBOX
TL1.6A TruLine 1.6A	1RE 1" Rectangle	JBOX Junction Box

PROJECT	FIXTURE TYPE	DATE
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TRULINE 1.6A STATIC WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

REV 02.16.23

DELIVERED LUMENS

WATTS PER FOOT	STATIC WHITE																				
	5W (2x2.5 Watts)							10W (2x4.4 Watts)							14W (2x7.5 Watts)						
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	456	456	461	480	551	581	581	843	843	852	887	1018	1073	1135	1301	1301	1315	1370	1572	1572	1754
LUMENS PER WATT (lm/w)	91	91	92	96	110	116	116	96	96	97	101	116	122	129	89	89	90	94	108	108	120
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+

LENGTH LOAD CHARTS: To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

5 WATTS PER FOOT (2 X 2.5W)			
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	21	102
2	10	22	106
3	14	23	110
4	19	24	116
5	24	25	120
6	29	26	124
7	34	27	130
8	38	28	134
9	43	29	140
10	48	30	144
11	53	31	148
12	58	32	154
13	63	33	158
14	67	34	164
15	72	35	168
16	77	36	172
17	82	37	178
18	87	38	182
19	91	39	188
20	96	40	192

10 WATTS PER FOOT (2 X 4.4W)	
LENGTH IN FEET	WATTS
1	10
2	19
3	29
4	38
5	48
6	58
7	67
8	77
9	86
10	96
11	106
12	116
13	124
14	134
15	144
16	154
17	164
18	174
19	182
20	192

14 WATTS PER FOOT (2 X 7.5W)	
LENGTH IN FEET	WATTS
1	14
2	28
3	42
4	56
5	70
6	84
7	98
8	112
9	126
10	140
11	154
12	168

PROJECT		FIXTURE TYPE		DATE	
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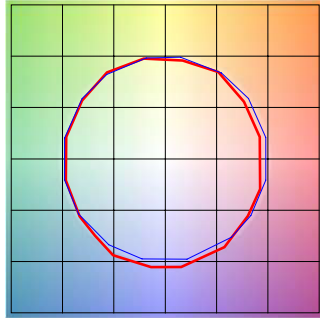
LED STRIP TM30 DATA

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A 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.

2400K | Rf: 90.2 | Rg: 99.3

Color Vector Graphic

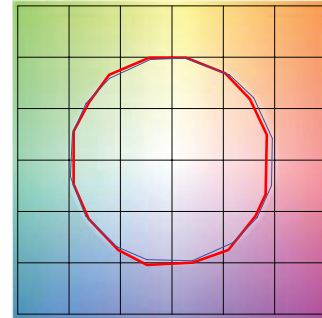


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

2700K | Rf: 89.5 | Rg: 98.3

Color Vector Graphic

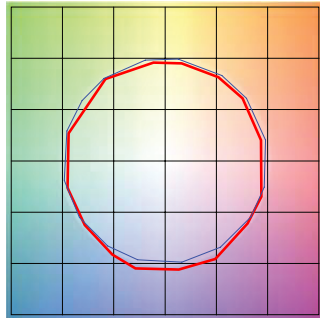


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%	-8.9%
15	90.7	-2.4%	-3.6%
16	83.0	-2.7%	-11.3%

3000K | Rf: 88.7 | Rg: 98.2

Color Vector Graphic

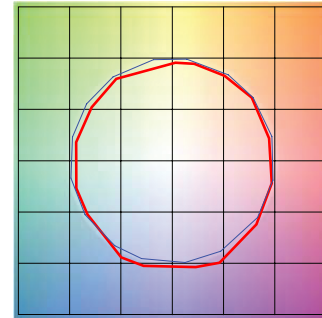


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%	-8.3%
15	87.1	-1.2%	-6.1%
16	83.2	-1.7%	-11.6%

3500K | Rf: 88.1 | Rg: 97.1

Color Vector Graphic

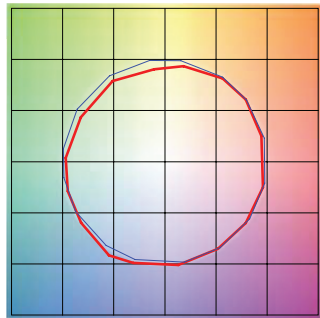


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

4000K | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

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

PROJECT	FIXTURE TYPE	DATE
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TRULINE 1.6A 24VDC WARM DIM

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.16.23



Let the Drywall Be Your Canvas

DESCRIPTION

PureEdge pioneered the TruLine 1.6A Plaster-in, fully dimmable 24VDC LED system that Recesses within 5/8" drywall, without any joist modification. Redefining the relationship between Lighting and Interior Design, this Innovative and highly Efficient system blends seamlessly into the drywall, becoming part of the Architecture. The slim extrusions, LED strips, and lenses are field-cuttable and ordered in 1-foot increments (up to 20' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and Glare-free general illumination using Designer-grade Color Rendering LEDs (95+ CRI). With the ability to run in vertical, horizontal, and diagonal directions, the compositions are truly endless. TruLine1.6A is offered in a broad range of wattages and 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. Click here for all [Other Color Temperatures](#). Coordinate installation with electrical and drywall contractors. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

DESIGN NOTE

TruLine 1.6A can be installed on a single surface, join runs on multiple planes from wall to ceiling, or from one wall to an adjacent wall. Use TruLine 1.6A Build-It-Yourself (BIY) with pre-formed components to create desired configurations, including Mitered Picture Frame and Outside or Inside Corners for Room Wrapping installations. Create square or rectangular compositions with TruQuad 1.6A.

ORDERING & INSTALLATION

Truline 1.6A may be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Order in 1' increments, field-cuttable to any length. Maximum Lengths before re-feeding:

- 10 watts per foot - 20' (2 x 5WDC)

LAMP

- Warm Dim: **27D** and **30D** dim down to 1800K, resembling halogen light sources
- Lumen Performance: 1012lm/ft at 3000K (30D) 10W per foot
- Designer Grade High CRI 95+ 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

- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
- [Lutron](#) Hi-Lume/Ecosystem

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

APPLICATIONS

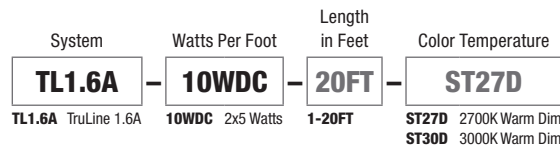
Designed for any indoor space with drywall. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

COMPLIANCE

Title 24 JA8 listed for 2700K CCT and above when used with PureEdge remote Universal power supplies, ETL, Class 2, RoHS, Damp Location, Made in USA.

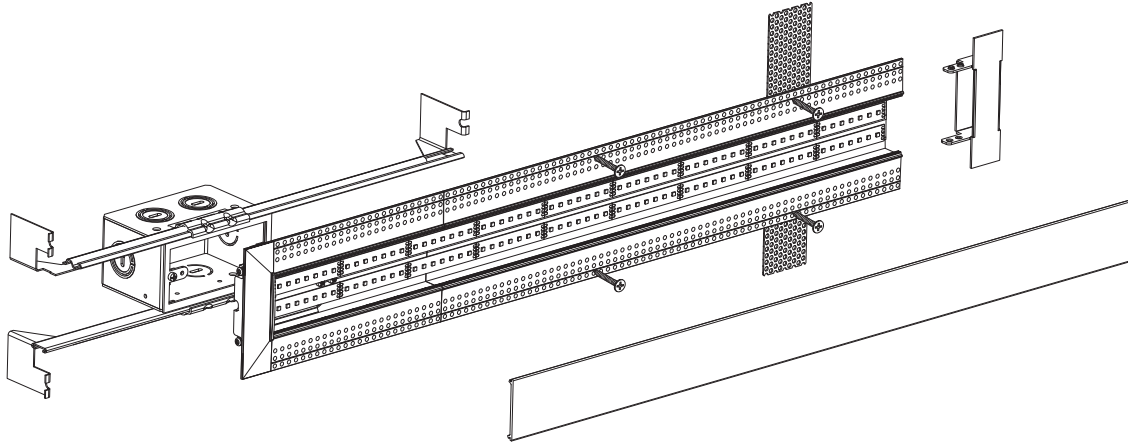
For quick & easy reference, plus the most up-to-date pricing, use our [Truline 1.6A Configurator](#)

PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.



PROJECT		FIXTURE TYPE		DATE	
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INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces and orientations. May be secured to studs that are spaced 13"-24" apart.

C. TRULINE 1.6A CHANNEL

5/8" deep extrusion house for two rows of LED Strips.

D. POWER END CAP

Provides a finished look and prevents light leak at feed-end of runs where LED Strip enters the channel.

E. TAKE-UP BOX

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

F. MOUNTING STRAP

Secures channel to drywall when wall stud is unavailable.

G. DRYWALL SCREW

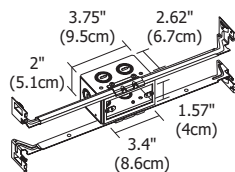
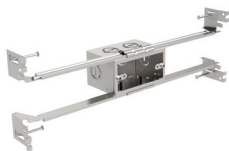
Secures channel to drywall and stud.

H. LED STRIPS

Your selection of LED Strip CCT. TruLine 1.6A comes with two LED Strips.

I. LENS

1.6" wide diffused white lens projects a clean line of light without pixelation.



JUNCTION BOX ROUGH-IN COMPONENT

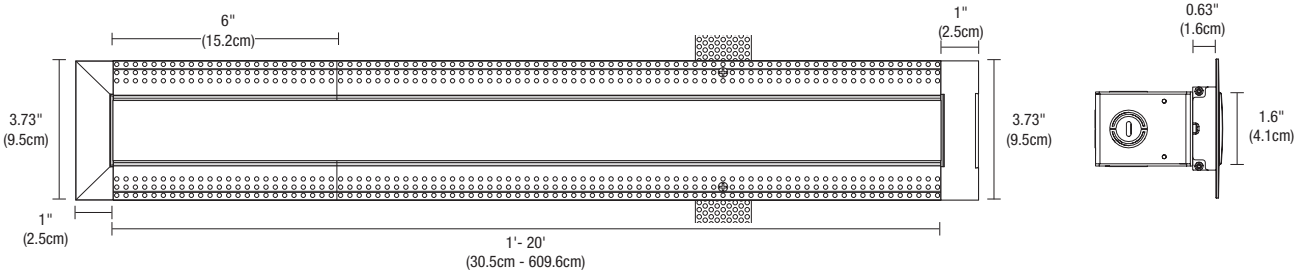
One Junction Box is included with TruLine 1.6A. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component
TL1.6A	1RE	JBOX
TL1.6A TruLine 1.6A	1RE 1" Rectangle	JBOX Junction Box

PROJECT	FIXTURE TYPE	DATE
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TRULINE 1.6A 24VDC WARM DIM

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM



DELIVERED LUMENS

	WARM DIM	
	10W (2x4.8 Watts)	
WATTS PER FOOT		
COLOR TEMPERATURE	27D	30D
LUMENS PER FOOT (lm/ft)	972	1012
LUMENS PER WATT (lm/w)	101	105
CRI	94+	94+

LENGTH LOAD CHARTS: To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

10 WATTS PER FOOT (2 X 4.8W)	
LENGTH IN FEET	WATTS
1	10
2	19
3	29
4	38
5	48
6	58
7	67
8	77
9	86
10	96
11	106
12	116
13	124
14	134
15	144
16	154
17	164
18	174
19	182
20	192

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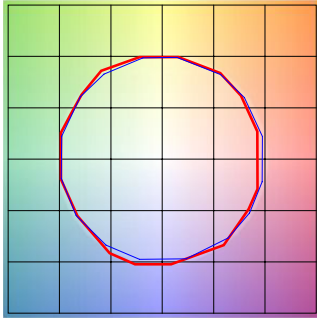
LED STRIP TM30 DATA

24VDC, STATIC WHITE, WARM DIM & TUNABLE WHITE

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

2700D | Rf: 90.7 | Rg: 101.1

Color Vector Graphic

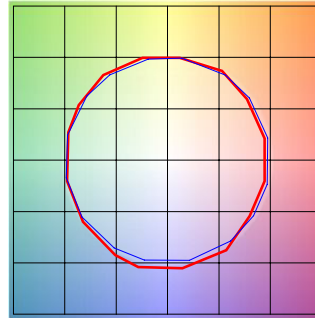


■ Test ■ Reference

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%

3000D | Rf: 90.6 | Rg: 101.1

Color Vector Graphic



■ Test ■ Reference

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%

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