

# TRULINE 1.6A 24VDC WARM DIM

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

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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](mailto: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

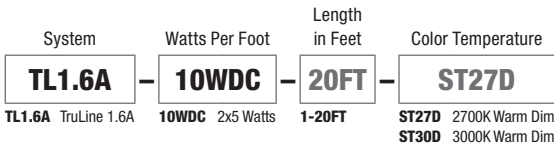
Designed for any indoor space with drywall. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

#### 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](#)

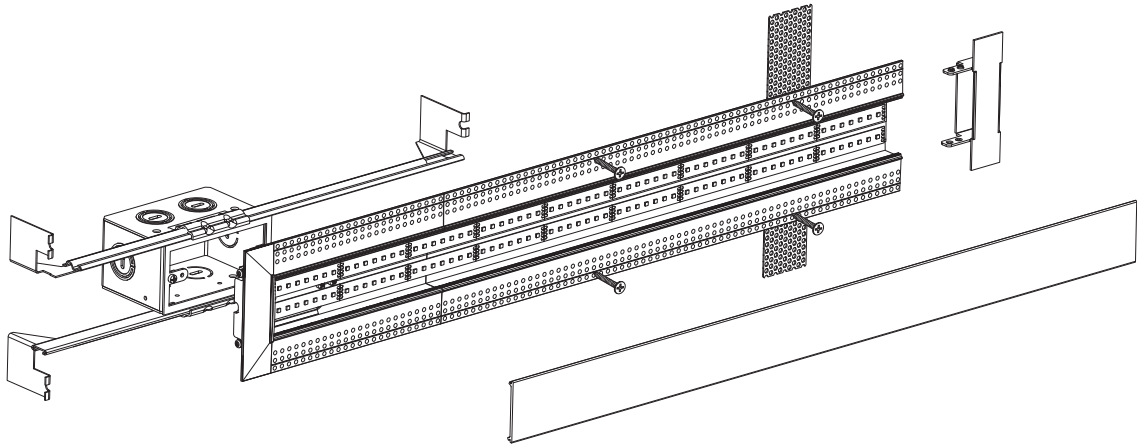
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.



PROJECT		FIXTURE TYPE		DATE	
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# TRULINE 1.6A 24VDC WARM DIM 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

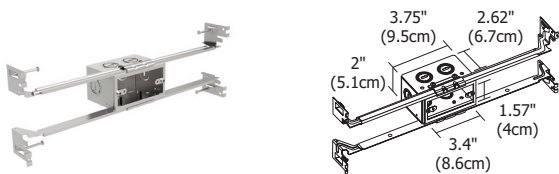
Secures channel to drywall and stud.

### 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

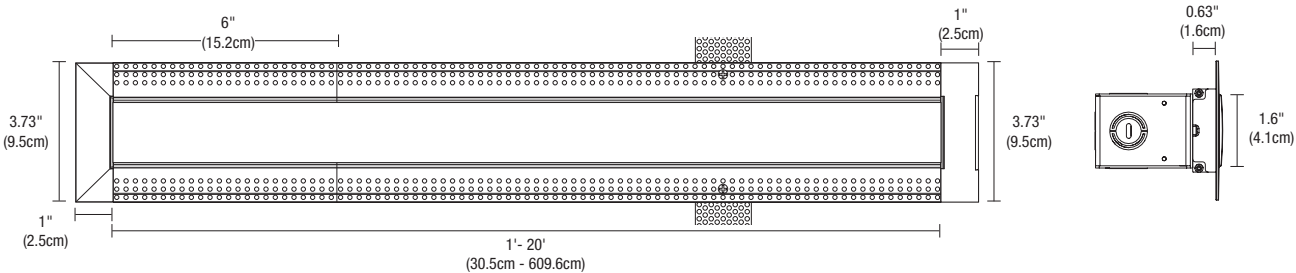
One Junction Box is included with TruLine 1.6A. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

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

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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](#).

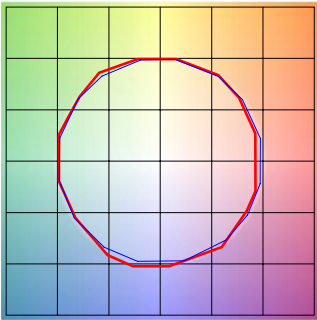
10 WATTS PER FOOT (2 X 4.8W)	
LENGTH IN FEET	WATTS
1	10
2	19
3	29
4	38
5	48
6	58
7	67
8	77
9	86
10	96
11	106
12	116
13	124
14	134
15	144
16	154
17	164
18	174
19	182
20	192

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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.

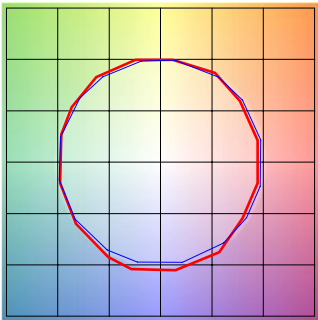
2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 2700D.

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



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 3000D.