

TRULINE 1A WARM DIM

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

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.13.22



Let The Drywall Be Your Canvas

DESCRIPTION

PureEdge pioneered the TruLine 1A Plaster-in 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' 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. 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. The TruLine .5A Plaster-in LED System is offered in multiple wattage and color temperatures ranging from **2400K** through **4000K**. Click here for all [Other Color Temperatures](#). Includes a 5-year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

DESIGN NOTE

TruLine 1A 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 1A 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 1A.

ORDERING & INSTALLATION

TruLine 1A can 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:

- 5WDC, 4.8 watts per foot - 20'

LAMP

- Warm Dim: **27D** and **30D** dim down to 1800K, resembling halogen light sources
- Lumen Performance: 421lm/ft at 3000K (30D) 5W per foot
- Designer Grade High CRI 95+ LEDs
- Average Lamp 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, including Damp locations. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

COMPLIANCE

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

For quick & easy reference, plus the most up-to-date pricing, use our [TruLine 1A Configurator](#)

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

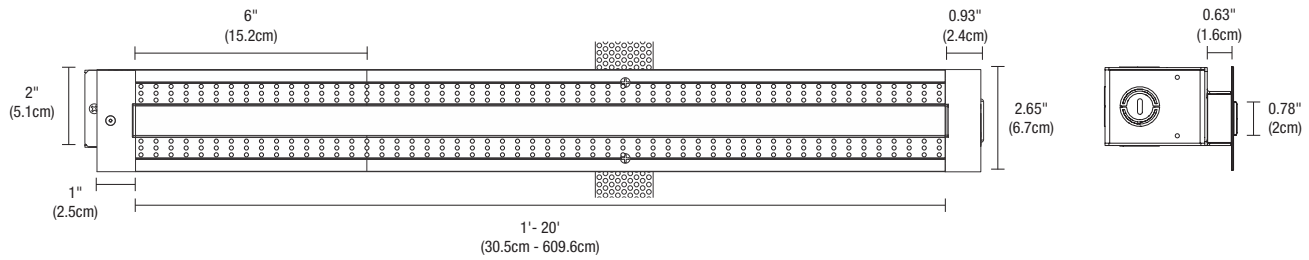
System	Watts Per Foot	Length in Feet	Color Temperature
TL1A	5WDC	20FT	ST27D
TL1A TruLine 1A	5WDC 4.8 Watts (20ft Max)	1-20FT	ST27D 2700K Warm Dim ST30D 3000K Warm Dim

PROJECT		FIXTURE TYPE		DATE	
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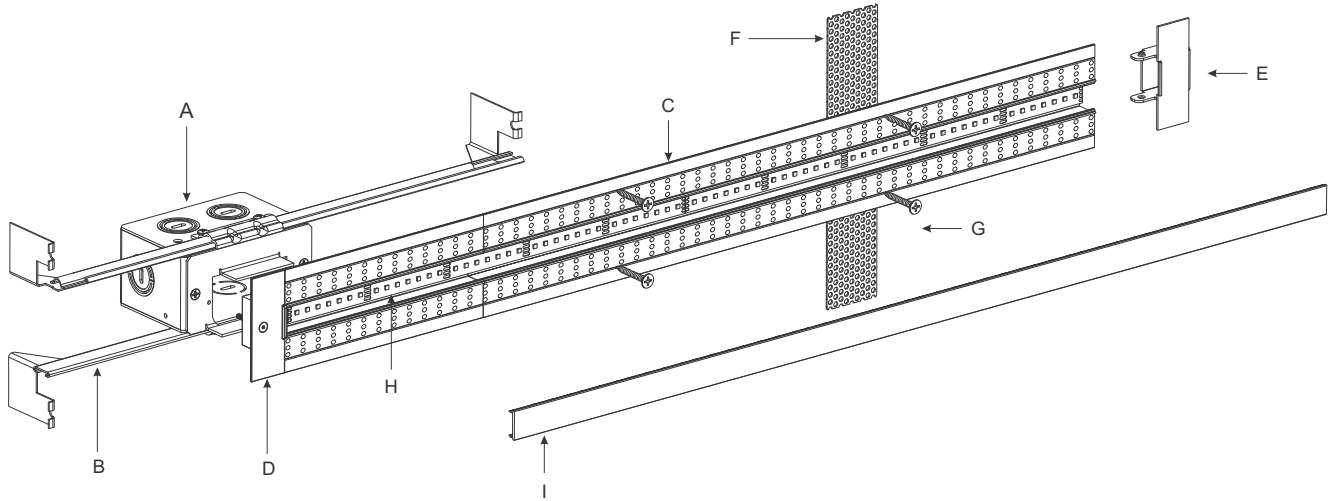
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INCLUDED COMPONENTS



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 1A CHANNEL

5/8" deep extrusion house for a single row of LED Strip.

D. POWER END CAP

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

E. TAKE-UP BOX

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

F. MOUNTING STRAP

Secures channel to drywall when wall stud is unavailable.

G. DRYWALL SCREW

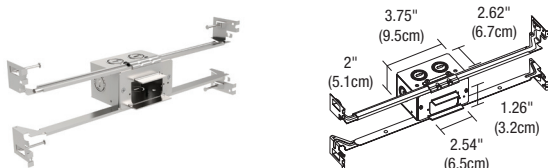
Secures channel to drywall and stud.

H. LED STRIP

Your selection of LED CCT.

I. LENS

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



JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with TruLine 1A. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component
TL1A	1RE	JBOX
TL1A TruLine 1A	1RE 1" Rectangle	JBOX Junction Box

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DELIVERED LUMENS

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	WARM DIM	
WATTS PER FOOT	4.8W	
COLOR TEMPERATURE	27D	30D
LUMENS PER FOOT (lm/ft)	404	421
LUMENS PER WATT (lm/w)	84	88
CRI	94+	94+

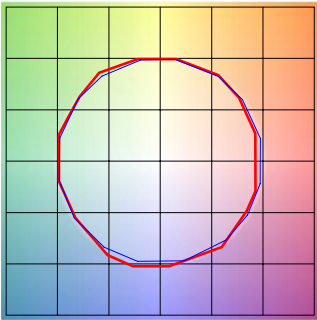
LENGTH LOAD CHARTS: To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

5 WATTS PER FOOT	
LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	20
5	24
6	30
7	34
8	40
9	44
10	48
11	54
12	58
13	64
14	68
15	72
16	78
17	82
18	88
19	92
20	96

PROJECT		FIXTURE TYPE		DATE	
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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.

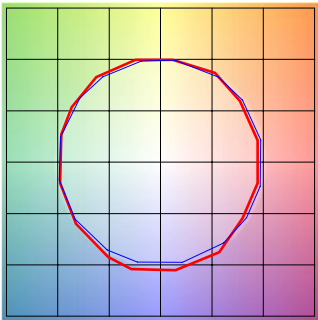
2700D | Rf: 90.7 | Rg: 101.1
Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. It contains 16 rows of data representing color shifts for the 2700D LED strip.

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



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. It contains 16 rows of data representing color shifts for the 3000D LED strip.