

# TRULINE .5A RGB/RGBW

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

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### DESCRIPTION

PureEdge pioneered the TruLine .5A Plaster-in 24VDC LED system that Recesses within 5/8" drywall, without any joist modification. With Dynamic Color Effects of RGB and RGBW, Truline continues to redefine the relationship between Lighting and Interior Design, blending seamlessly into the drywall. The slim extrusions, LED strips, and lenses are field-cuttable and ordered in 1' increments (up to 36' 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. 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](mailto:design@PureEdgeLighting.com).

### DESIGN NOTE

TruLine .5A 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 .5A 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 .5A.

### ORDERING & INSTALLATION

TruLine .5A can be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments, field-cuttable to any length.

### MAXIMUM LENGTHS BEFORE RE-FEEDING

- 3WDC, 2.6 watts per foot - 36' RGB Only
- 5WDC, 5 watts per foot - 20' RGB Only
- 6WDC, 6.3 watts per foot - 16' RGB+W Only

### LAMP

- RGB+W: Dynamic Red, Green, Blue plus 2000K White
- Special order in 2700K, 3000K, and 4000K
- Designer Grade High CRI 95+ LEDs
- Average life: 50,000 hours
- For additional color temperatures refer to other specification

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

24VDC, Class 2 wiring

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [DMX Dynamic Color Changing](#)
- [Controllers](#)

\*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, RoHS, Class 2, Damp Location, Made in USA.

For quick & easy reference, plus the most up-to-date pricing, use our [TruLine .5A Configurator](#)

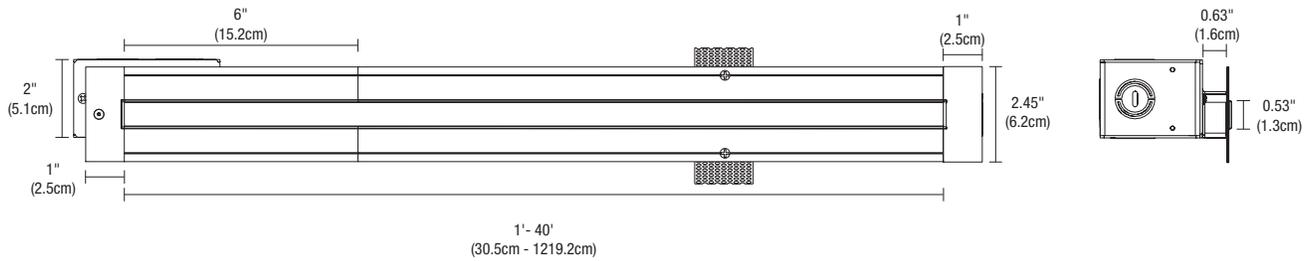
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.

System	Watts Per Foot	Length in Feet	Color Temperature
<b>TL.5A</b>	<b>5WDC</b>	<b>16FT</b>	<b>RGB</b>
<b>TL.5A</b> TruLine .5A	<b>3WDC</b> 2.6 Watts (40ft Max)	<b>1-36FT</b>	<b>RGB</b> Dynamic Color Red, Green & Blue (5WDC Only)
<b>TL.5ADW</b> TruLine .5A with White Louver	<b>5WDC</b> 5 Watts (20ft Max)	<b>1-20FT</b>	<b>RGB20K</b> Red, Green, Blue + White 2000K (6WDC Only)
	<b>6WDC</b> 6.3 Watts (16ft Max)	<b>1-16FT</b>	<b>RGB27K</b> Red, Green, Blue + White 2700K (6WDC Only) <b>Special Order</b>
			<b>RGB30K</b> Red, Green, Blue + White 3000K (6WDC Only) <b>Special Order</b>
			<b>RGB40K</b> Red, Green, Blue + White 4000K (6WDC Only) <b>Special Order</b>

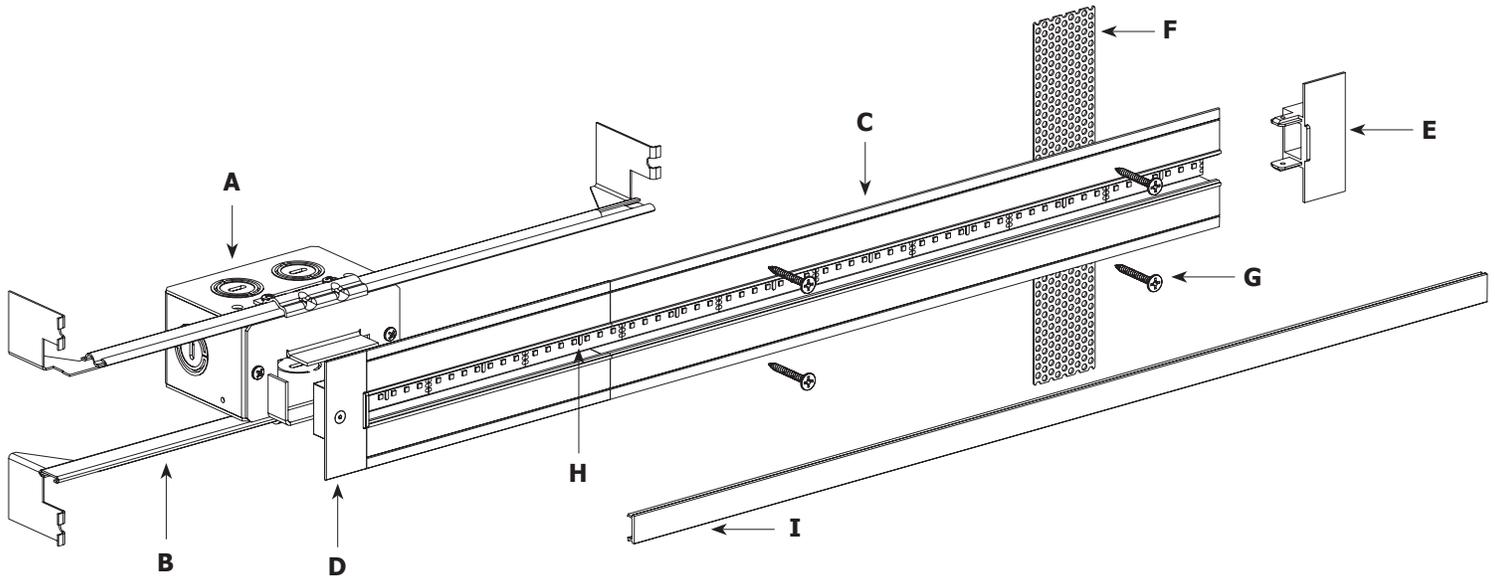
PROJECT	FIXTURE TYPE	DATE
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## INCLUDED COMPONENTS



### 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 channel. Required at the beginning of each run and necessary to rough-in electrical before TruLine installation. Junction Box is also included with each TruLine channel order

### 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 .5A CHANNEL

5/8" deep extrusion houses 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 the 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 Strip.

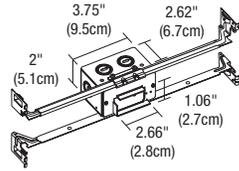
### I. LENS

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

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### JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with TruLine .5A. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

System	Size	Component	Option
<b>TL.5A</b>	<b>1RE</b>	<b>JBOX</b>	<b>BLANK</b>
TL.5A TruLine .5A	1RE 1" Rectangle	JBOX Junction Box	RGB Red, Green, Blue, and White

\*Leave blank for all other color temperatures

To determine the necessary wire gauge use our [Voltage Drop Calculator](#)

### LENGTH LOAD CHARTS

#### 2.5 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	3	11	27	21	51	31	75
2	5	12	29	22	54	32	78
3	8	13	32	23	56	33	80
4	10	14	34	24	58	34	82
5	13	15	37	25	61	35	85
6	15	16	39	26	63	36	87
7	17	17	41	27	66	37	90
8	20	18	44	28	68	38	92
9	22	19	46	29	70	39	94
10	24	20	48	30	72	40	96

#### 5 WATTS PER FOOT

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

#### 6 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	6	5	30	9	54	13	78
2	12	6	36	10	60	14	84
3	18	7	42	11	66	15	90
4	24	8	48	12	72	16	96

PROJECT		FIXTURE TYPE		DATE	
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