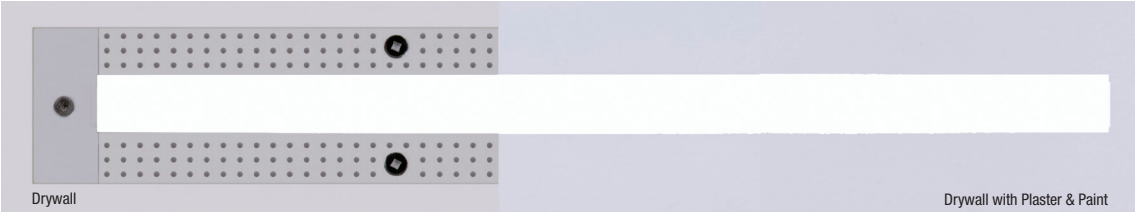


# TRULINE 1A RGB/RGBW

## 24VDC, PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 05.06.24



### 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 40' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and Glare-free general illumination with the ability to run in vertical, horizontal, and diagonal directions, the compositions are truly endless. The TruLine 1A Plaster-in LED System is With Dynamic Color Effects of RGB and RGBW 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](mailto: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 Do-It-Yourself (DIY) 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:

- 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: Dynamic Red, Green, and Blue
- RGB+W: Dynamic Red, Green, Blue plus 2000K
- RGB+W Special order in 2700K, 3000K, and 4000K
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

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

24VDC, Class 2 wiring

#### RGB

- [DMX & Controls](#)
- [DALI/DALI-2](#)

#### RGBW

- [DMX & Controls](#)
- [DALI/DALI-2](#)

#### 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, Damp Location, Made in USA.

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

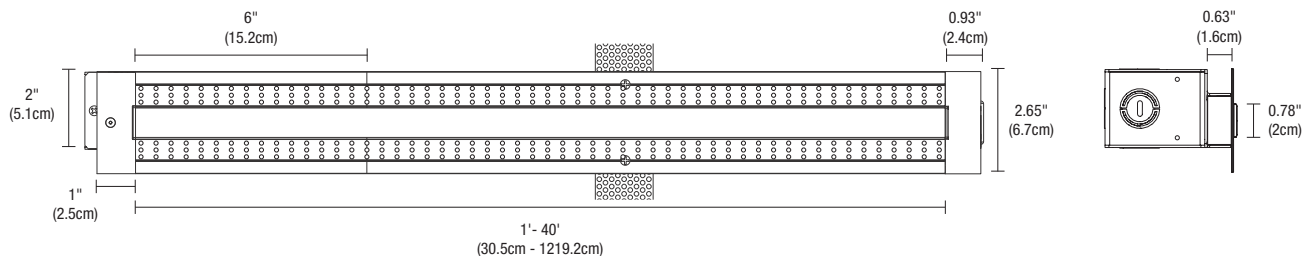
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the most Experience in the industry.

System	Watts Per Foot	Length in Feet	Color Temperature
<b>TL1A</b>	<b>5WDC</b>	<b>16FT</b>	<b>RGB</b>
TL1A TruLine 1A	<b>3WDC</b> 2.6 Watts (40ft Max) <b>5WDC</b> 5 Watts (20ft Max) <b>6WDC</b> 6.3 Watts (16ft Max) *Only available for RGBW	<b>1-36FT</b> <b>1-20FT</b> <b>1-16FT</b>	<b>RGB</b> Dynamic Color Red, Green & Blue (5WDC Only) <b>RGB20K</b> Red, Green, Blue + White 2000K (6WDC Only) <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>

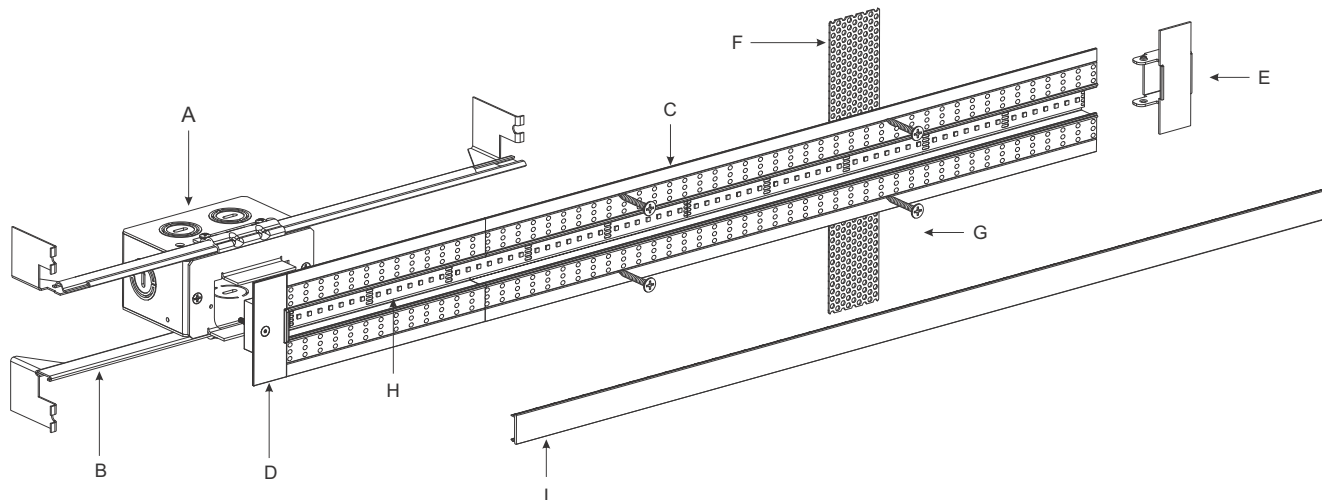
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# TRULINE 1A RGB/RGBW

## 24VDC, 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 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

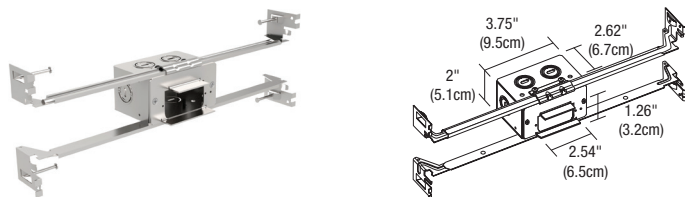
Your selection of LED Strip.

#### 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	Option
<b>TL1A</b>	<b>1RE</b>	<b>JBOX</b>	<b>RGB</b>
TL1A TruLine 1A	1RE 1" Rectangle	JBOX Junction Box	RGB Red, Green, and Blue (RGBW Compatible)

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# TRULINE 1A RGB/RGBW

24VDC, PLASTER-IN LED SYSTEM

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

## 2.5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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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