

TRULINE TRIM 1.6A MONOCHROMATIC COLOR

24VDC LED SYSTEM, 1/2" TRIM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 04.01.25



DESCRIPTION

TruLine Trim 1.6A is a recessed 24VDC LED system that features a paintable 1/2" trim. The slim channel extrusions recess within any flat surface, including 5/8" drywall, tile, and millwork, eliminating the need for stud or joist modification. The channel, LED strips, and lenses are field-cutable and ordered in 1' increments (up to 36' before re-feeding), providing flexibility and unparalleled ease of installation. TruLine Trim 1.6A is offered in two wattage options and Red, Amber, Blue, and Green monochromatic LEDs providing dynamic color effects. Click here for all [Other Color Temperatures](#). 24VDC Remote Power Supplies are required and sold separately. 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 Trim 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 Trim 1.6A 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.

ORDERING & INSTALLATION

TruLine Trim 1.6A may be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Order in 1' increments, field-cutable to any length.

LAMP

- Red, Amber, Green, and Blue Monochromatic colors.
- Average Life: 50,000 hours
- For additional color temperatures refer to other specifications

MAXIMUM LENGTHS BEFORE RE-FEEDING

- 6 watts per foot (2 x 2.6WDC)
- 10 watts per foot (2 x 5WDC)

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

ETL, Class 2, Indoor Damp Location, Assembled in the USA

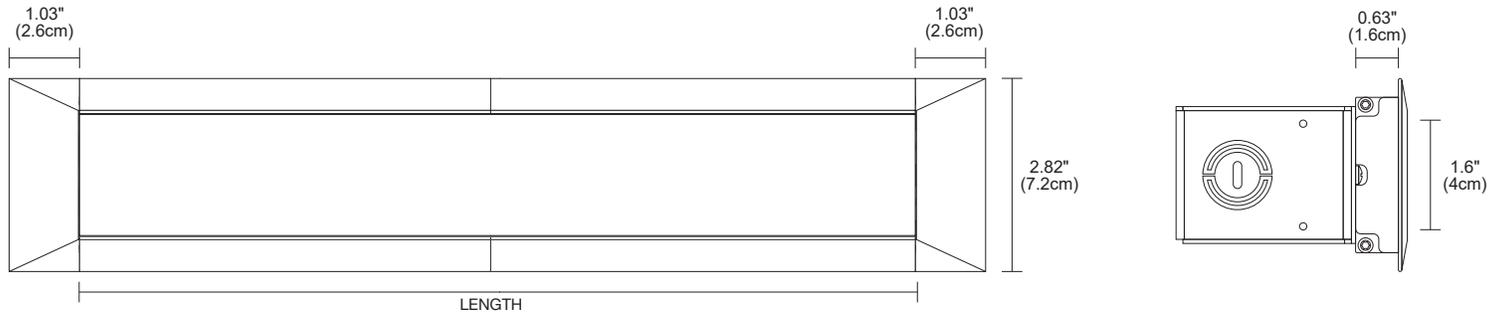
PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.

System	Watts Per Foot	Length in Feet	Color Temperature	Finish
TTL1.6A	6WDC	36FT	AAA	WH
TTL1.6A TruLine Trim 1.6A	6WDC 2x2.6 Watts 10WDC 2x5 Watts	1-36FT 1-20FT	AAA Amber BBB Blue GGG Green RRR Red	BK Black WH White RAL 9010

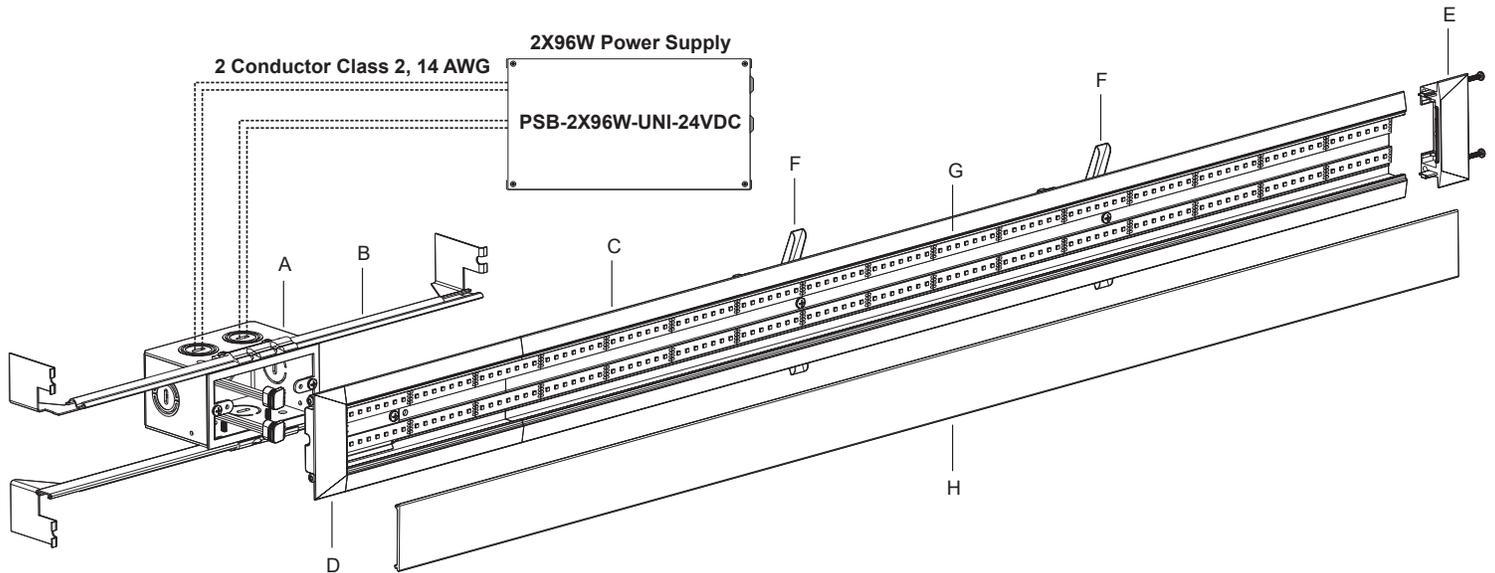
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24VDC LED SYSTEM, 1/2" TRIM



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 TRIM 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. TOGGLE BOLT AND SCREW

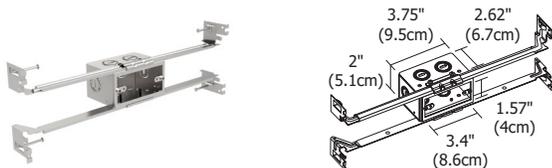
Secures channel to drywall and stud.

G. LED STRIPS

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

H. 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.

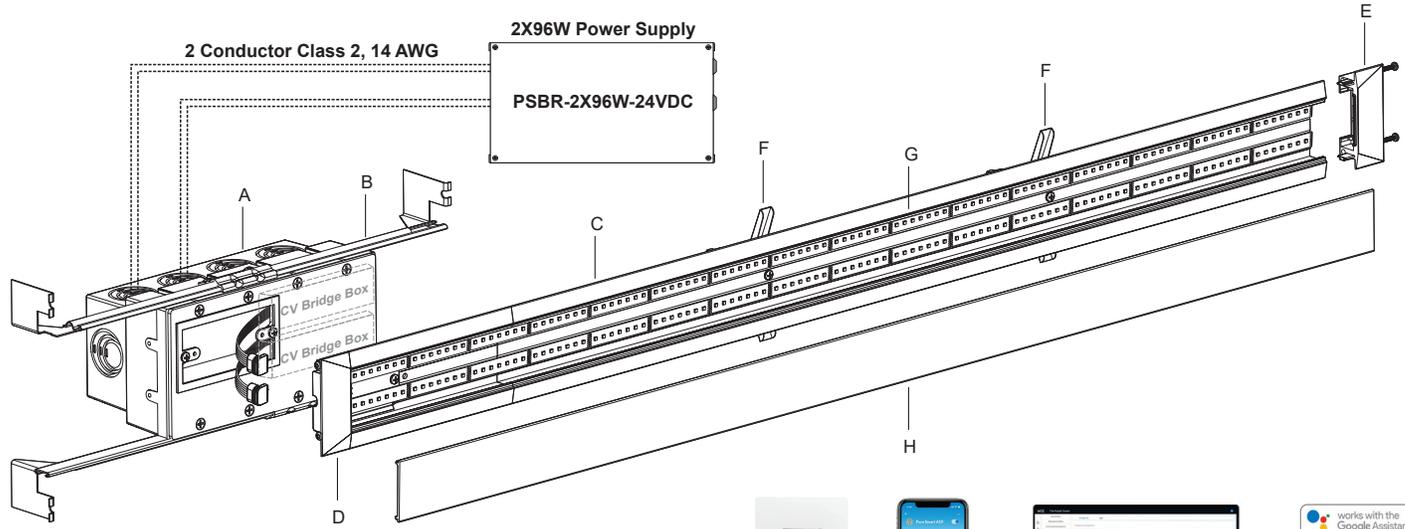
System	Size	Component
TL1.6A	1RE	JBOX
TL1.6A TruLine 1.6A	1RE 1" Rectangle	JBOX Junction Box

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TRULINE TRIM 1.6A MONOCHROMATIC COLOR

24VDC LED SYSTEM, 1/2" TRIM

INCLUDED COMPONENTS, SMART DIMMING



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. Includes 2 Pure Smart WIZ Pro CV Bridgeboxes per power feed. Required at the beginning of each run and necessary to rough-in electrical before TruLine installation.

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 TRIM 1.6A CHANNEL

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

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. TOGGLE BOLT AND SCREW

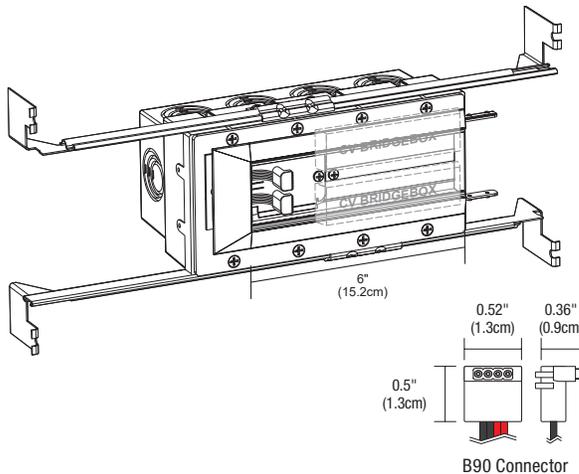
Secures channel to drywall when wall stud is unavailable.

G. LED STRIP

Your choice of PureEdge LED Strip. **Order TWO LED Strip Lengths, per total section run Length** (Include End Feeds, Center Feeds, Corner Connectors, L-Picture Frames and all Channel Lengths).

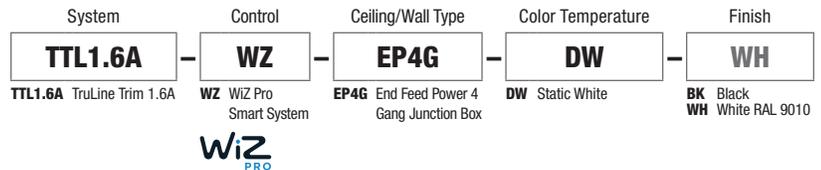
H. LENS

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



PURE SMART END FEED POWER CONNECTOR WITH WIZ PRO CV BRIDGEBOX & JUNCTION BOX

Includes WIZ Pro CV Bridgebox in a 4 gang Junction Box with adjustable bar hangers, B90 Pin Connector for LED strip, and Channel Joiners. LED Strip (not included) may be installed flat on the bottom or side of the channel. Two Class 2, 14 AWG stranded conductors from the Remote Power Supply up to 40 ft away are required.



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

6 WATTS PER FOOT (2 X 2.6W)			
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 5W)	
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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