

Patent Pending



Description: TruLine 1.6A creates a clean line of glare-free general illumination within 5/8" drywall. The 24VDC linear LED system features a shallow, 5/8" deep plaster-in aluminum extrusion no thicker than drywall that houses two rows of high CRI, commercial grade white or RGB LED Soft Strip. Its 1.6" wide diffuser lens projects a clean line of light without LED dots. System mounts to studs without joist modification. TruLine is sold in 1 foot increments up to 40 feet (5WDC, white LEDs only), or 20 feet (10WDC, white or RGB LEDs) and may be field-cut to any length. LED Soft Strip may be cut every 2.4 inches. Coordinate installation with electrician and drywall contractors. Fixture includes a 5 year warranty. Patent pending.

Design Notes: TruLine 1.6A can be installed on a single surface plane (like a wall or ceiling), or on multiple planes that join runs from wall to ceiling or from one wall to an adjacent wall. Add optional accessories to create desired configurations including Picture Frame Miter and Room Wrapping applications.

Applications: Indoor Only—General illumination and architectural lighting for offices, hospitality, retail, residences, libraries, closets, hallways, bath/vanity.

Lamp:

Watts per Foot	Lumens per Watt	85+CRI	95+CRI	RGB
		24k, 35K, 40K, 57K	27K, 30K	
5WDC (2x2.5W)	71 698	●	●	
10WDC (2x5W)	69 865	●	●	●

Lumen values are based on the 3000K LED test.

Average Lamp Life: 50,000 hours

24VDC Power Supply: White LED system, compatible Electronic Low Voltage Dimming (ELV) 120-277VAC input: PSB-60W-ELV-24VDC (60W output) | PSB-100W-ELV-24VDC (100W output) | PSB-2X100W-ELV-24VDC (2X100W output).

White LED system, compatible 0-10 Volt Dimming (010) 120-277VAC input: PSB-96W-010-24VDC (96W output) | PSB-2X96W-010-24VDC (192W output).

In Wall Mounting Kits: PSC-IW-KIT1 (96W or 100W) | PSC-IW-KIT2 (2X96W or 2X100W).

RGB LED System: Remote RGB Power supply with DMX Driver

120-277VAC input: PSB-100W-24VDC-RGB (100W output)

120/240VAC input PSB-200W-24VDC-RGB (200W output) PSB-400W-24VDC-RGB (400W output)

Dimming and Control: White LED system dimmable with 0–10V dimmer using power supplies above. Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-DL. RGB LED system - Touch Screen Controller with Power Supply (CTP), or Color Dial Controller with Power Supply (CDP).

Included Components: TruLine 1.6A channels, end caps, LED Soft Strip, TL 1.6A Junction Boxes and all mounting hardware. See page 2 of spec sheet for additional details.

TRULINE 1.6A ORDERING CODES

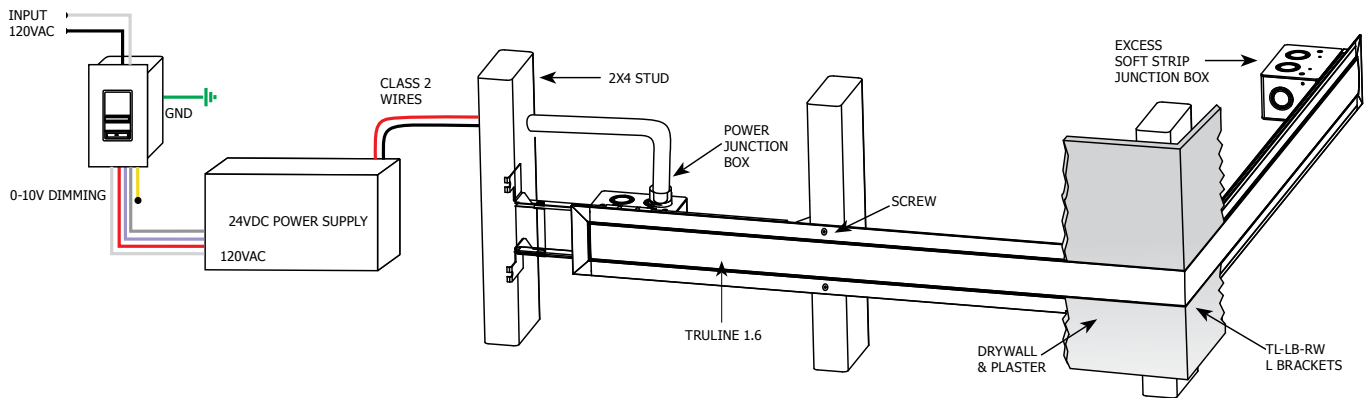
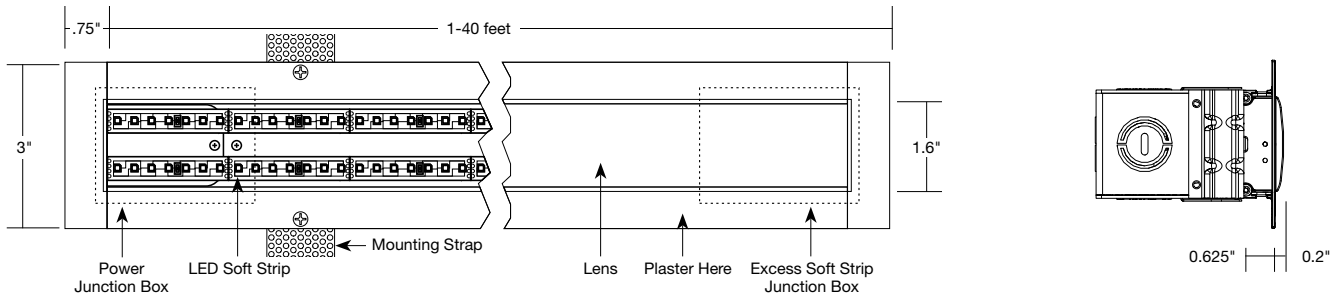
TRULINE 1.6A CHANNEL						TRULINE 1.6A ACCESSORIES			
System	Wattage	Length in Feet	Color Temperature			System	Accessory		
TL1.6A	5WDC	40FT	27K			TL1.6A	LP		
TL1.6A	TruLine 1.6" Wide 5/8" Deep	5WDC 5 Watts /Foot 10WDC 10 Watts /Foot	1-40 Feet 10WDC 1 to 20ft	24K 2400K Amber White 27K 2700K Very Warm White 30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White RGB Red, Green and Blue (10WDC Only)		TL1.6A	TruLine 1.6" Wide 5/8" Deep	LP L-Shaped Power Channel Connector X X-Shaped Channel Connector	
TL	LB	RW				TL	LB	RW	PF
TL	TruLine	LB L Brackets for Miter Cut Corners				RW Room Wrapping Picture Frame	PF Picture Frame		

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INCLUDED COMPONENTS



TRULINE 1.6A JUNCTION BOXES

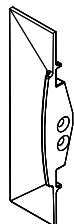
TruLine 1.6A Power Junction Box: Slim profile junction box mounts behind 5/8" drywall. Low voltage DC wires from remote power supply connect to LED wires. Junction box opening covered by TruLine channel.

TruLine 1.6A Excess Soft Strip Junction Box: Prevent dark spots at end of run by tucking excess LED Soft Strip safely behind wall.



LED SOFT STRIP

2 rows of commercial grade white or RGB LED Soft Strip. See Lamp data on page 1 of spec sheet for additional details.



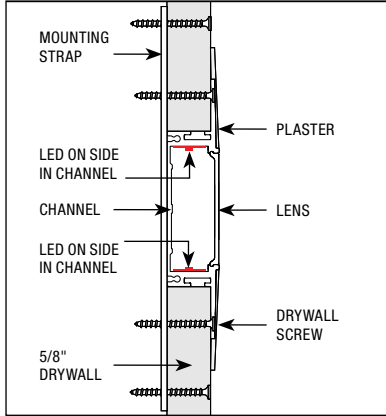
END CAPS

For a finished look and to complete the installation, use end caps at the end of runs. End caps house the power cable from the LED Soft Strip.

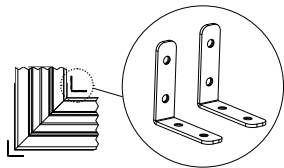
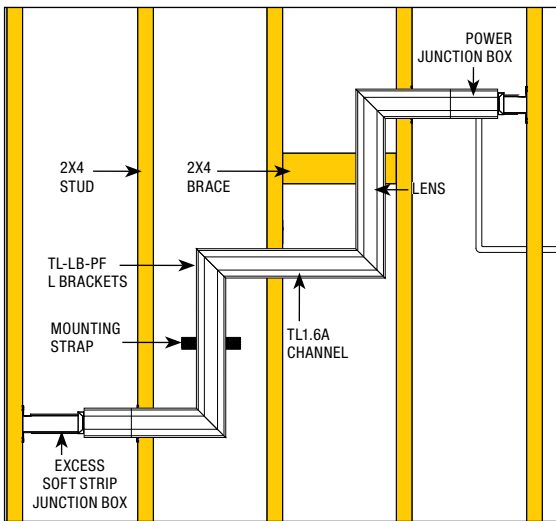
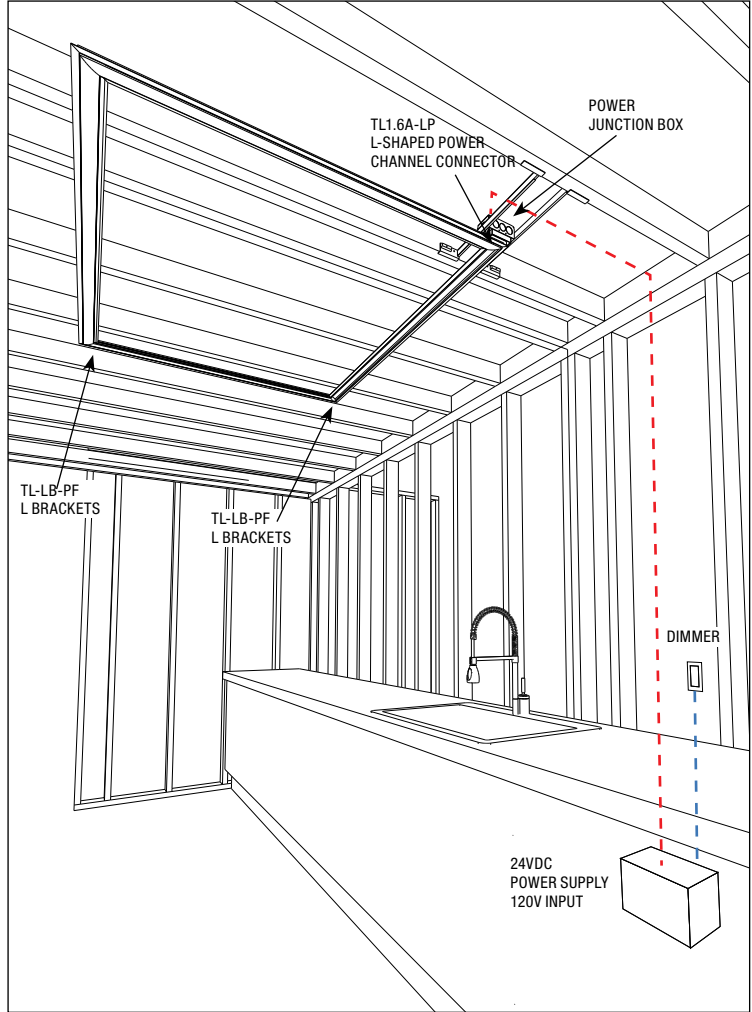
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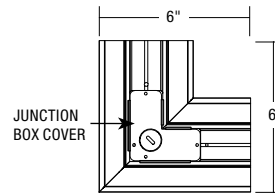
PICTURE FRAME MITER APPLICATION - LED ON SIDE OF CHANNEL



TRULINE 1.6A SIDE VIEW - LED ON SIDE



TL-LB-PF
PICTURE FRAME L BRACKETS (SOLD IN PAIRS);
SUPPORT INSIDE OR OUTSIDE CORNER MITER CUTS



TL1.6A-LP
L-SHAPED POWER CHANNEL CONNECTOR
AND JUNCTION BOX INCLUDED

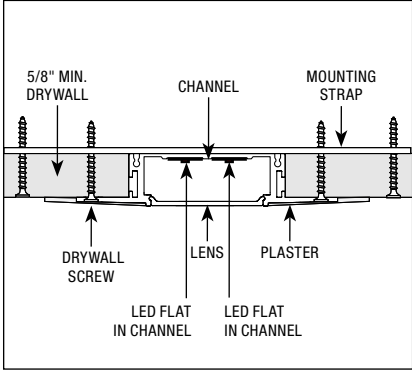
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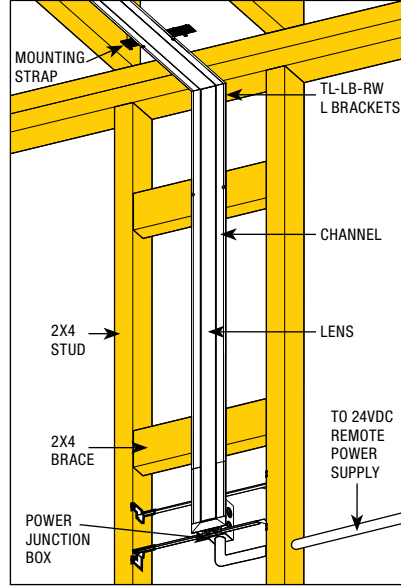
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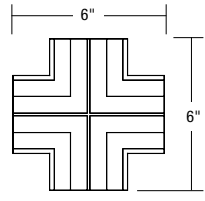
ROOM WRAPPING APPLICATION - LED FLAT IN CHANNEL



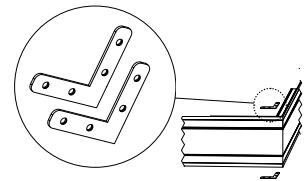
**TRULINE 1.6A SIDE VIEW
LED FLAT IN CHANNEL**



TRULINE 1.6A ROOM WRAP (TL-LB-RW)



**TL1.6A-X
X-SHAPED
CHANNEL CONNECTOR**



TL-LB-RW
ROOM WRAPPING L BRACKETS (SOLD IN PAIRS);
SUPPORT INSIDE OR OUTSIDE CORNER MITER CUTS

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Application: 0-10V dimming for Truline 1.6A

Power Supply: **White LED system, compatible Electronic Low Voltage Dimming (ELV) 120-277VAC input:**

PSB-60W-ELV-24VDC (60W output) | PSB-100W-ELV-24VDC (100W output) | PSB-2X100W-ELV-24VDC (2X100W output).

White LED system, compatible 0-10 Volt Dimming (010) 120-277VAC input: PSB-96W-010-24VDC (96W output) | PSB-2X96W-010-24VDC (192W output).

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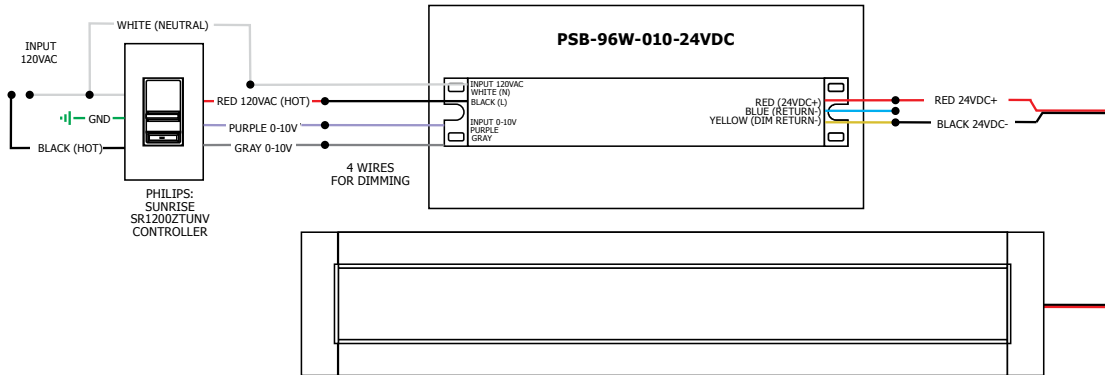
120-277VAC input: PSB-100W-24VDC-RGB (100W output)

120/240VAC input PSB-200W-24VDC-RGB (200W output) PSB-400W-24VDC-RGB (400W output)

Dimming: White LED system dimmable with 0–10V dimmer using power supplies above. Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-DL. RGB LED system - Touch Screen Controller with Power Supply (CTP), or Color Dial Controller with Power Supply (CDP).

96W, 24VDC LOW VOLTAGE WIRE SIZE CHART: 3% VOLTAGE DROP

WIRE LENGTH (FT)	UP TO 33FT	34FT-52FT	53FT-86FT	87FT-130FT
WIRE SIZE	14 AWG	12 AWG	10 AWG	8 AWG
VOLTAGE AT END OF WIRE	23.28VDC	23.29VDC	23.28VDC	23.28VDC



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ACTUAL WATTAGE PER FOOT - 5 WATTS

LENGTH IN FEET	TOTAL WATTAGE
1	5
2	10
3	16
4	20
5	26
6	30
7	34
8	40
9	44
10	48

LENGTH IN FEET	TOTAL WATTAGE
11	54
12	58
13	64
14	68
15	74
16	78
17	82
18	88
19	92
20	96

LENGTH IN FEET	TOTAL WATTAGE
21	2 x 51W
22	2 x 54W
23	2 x 56W
24	2 x 58W
25	2 x 61W
26	2 x 63W
27	2 x 66W
28	2 x 68W
29	2 x 70W
30	2 x 72W

LENGTH IN FEET	TOTAL WATTAGE
31	2 x 75W
32	2 x 78W
33	2 x 80W
34	2 x 82W
35	2 x 85W
36	2 x 87W
37	2 x 90W
38	2 x 92W
39	2 x 94W
40	2 x 96W

ACTUAL WATTAGE PER FOOT - 10 WATTS

LENGTH IN FEET	TOTAL WATTAGE
1	10
2	20
3	32
4	40
5	48
6	60
7	68
8	80
9	88
10	96

LENGTH IN FEET	TOTAL WATTAGE
11	2 x 54
12	2 x 58
13	2 x 64
14	2 x 68
15	2 x 72
16	2 x 78
17	2 x 82
18	2 x 88
19	2 x 92
20	2 x 96

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