



**Description:** TruLine .5A creates glare-free architectural lighting accents within 5/8" drywall. The 24VDC linear LED system features a shallow, 5/8" deep plaster-in aluminum extrusion (thinner than drywall) that houses a single row of high CRI, commercial-grade white or color changing LED Soft Strip. Its .5" wide diffuser lens projects a clean line of light without LED dots. System mounts directly to studs without joist modification. TruLine channel is sold in 1 foot increments up to 40 feet (2WDC, white LEDs only), 20 feet (5WDC, white, 2K4K or RGB LEDs) or 16 feet (RGBW). TruLine .5A may be field-cut to any length. Channel ships in 8 foot lengths. Coordinate installation with electrician and drywall contractors. Fixture includes 5 year warranty. ETL listed. Patent pending.

**Design Note:** TruLine .5A can be installed on a single surface (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 components to create desired configurations including Picture Frame Miter (LED on side of channel) and Room Wrapping (LED flat in channel) applications. Create rectangle or square configurations with TruQuad.

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

**Lamp:**

Watts per Foot	Lumens per Watt	per Foot	85+CRI 24k, 35K, 40K, 57K	90+CRI 2K4K	95+CRI 27K, 30K	RGB	RGBW
2WDC	52	169	•		•		
5WDC	50	244	•	•	•	•	
6WDC	N/A	N/A					•

Lumen values are based on the 3000K LED test.

**Average Lamp Life:** 50,000 hours

**Power Supply:**

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

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

**White LED system, compatible 0-10 Volt Dimming (010) 120-277VAC input:**

PSB-96W-010-24VDC (24VDC 96W output) | PSB-2X96W-010-24VDC (24VDC 2X96W output).

**In-Wall Mounting Kits:** PSB-60W-ELV-24VDC-IW | PSB-100W-ELV-24VDC-IW | PSB-2X100W-ELV-24VDC-IW | PSB-96W-010-24VDC-IW | PSB-2X96W-010-24VDC-IW

**RGB and RGBW LED System:** PSB-100W-24VDC-RGB (24VDC 100W output) | PSB-2X100W-24VDC-RGB (24VDC 2X100W output) | PSB-3X100W-24VDC-RGB (24VDC 3X100W output) | PSB-4X100W-24VDC-RGB (24VDC 4X100W output)

PSB-100W-24VDC-RGB (24VDC 100W output) | PSB-2X100W-24VDC-RGB (24VDC 2X100W output) | PSB-3X100W-24VDC-RGB (24VDC 3X100W output) | PSB-4X100W-24VDC-RGB (24VDC 4X100W output)

**Dimming and Controls:**

**ELV Dimmers:** Legrand: Adorne ADTH700RMTU ; Lutron: DIVA DVELV-300P, Skylark SELV-300P and Maestro MAELV-600. **010V Dimmers:** Lutron: Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-DL.

**RGB Controls:** Touch Screen Controller with Power Supply (CTP), or Color Dial Controller with Power Supply (CDP).

**Included Components:** TruLine .5A channels, end caps, LED Soft Strip, TL.5A Junction Boxes and all mounting hardware. See page 2 of spec sheet for additional details.

**TRULINE .5A ORDERING CODES**

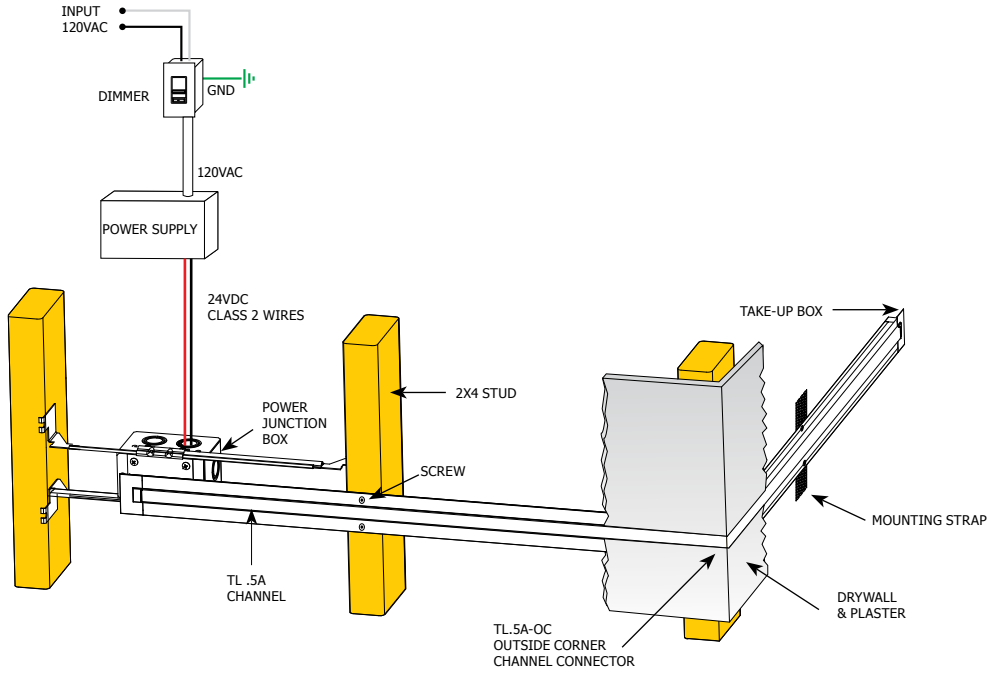
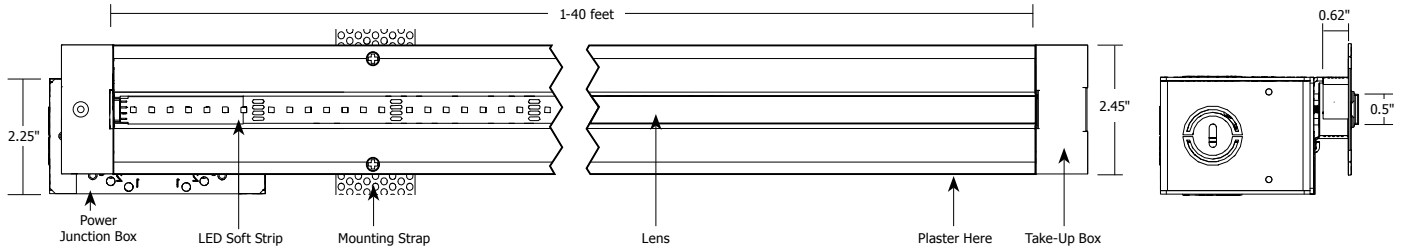
System	Watts Per Foot	Length in Feet	Color Temperature
<b>TL.5A - 2WDC - 40FT - 27K</b>			
<b>TL.5A</b>	TruLine .5" Wide 5/8" Deep	2WDC 2.5 Watts 5WDC 5 Watts 6WDC 6 Watts	1-40 Feet 5WDC 1 to 20 ft 6WDC 1 to 16 ft
			<b>24K</b> 2400K Amber White <b>27K</b> 2700K Very Warm White <b>30K</b> 3000K Warm White <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White <b>57K</b> 5700K Daylight White <b>2K4K</b> 20K - 41K (5W only) <b>RGB</b> Red, Green and Blue (5W only) <b>RGBW</b> RGB and 20K (6W only)

For custom design and layout assistance, send drawings to design@purelighting.com

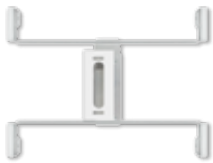
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**INCLUDED COMPONENTS**



**TRULINE .5A POWER JUNCTION BOX**

Slim profile junction box mounts behind drywall. Low voltage DC wires from remote power supply connect to LED wires. Junction box opening covered by TruLine channel.



**TRULINE .5A TAKE-UP BOX**

Prevent dark spots at end of run by tucking excess LED Soft Strip safely behind wall.



**LED SOFT STRIP**

Commercial grade white or color-changing LED Soft Strip. See Lamp data on page 1 of spec sheet for additional details.

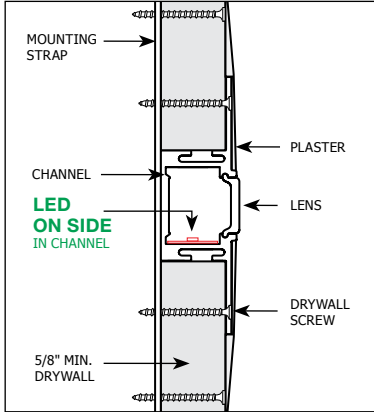
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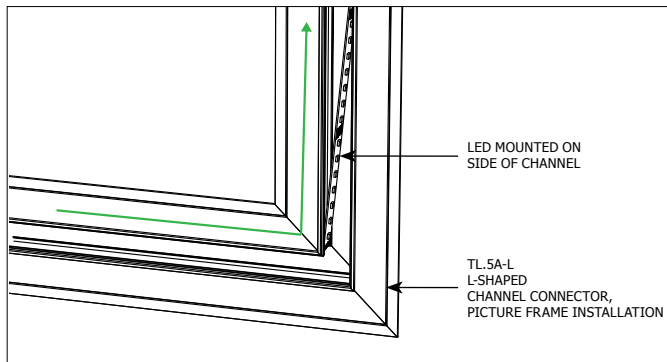
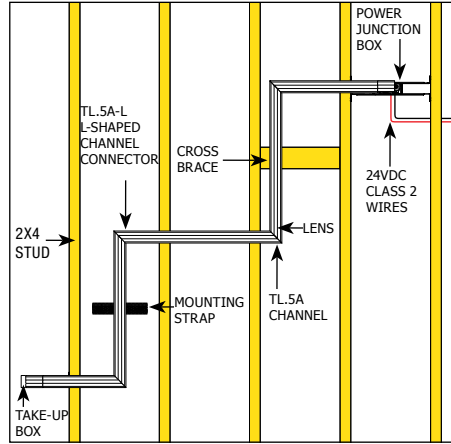
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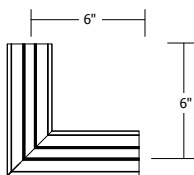
**PICTURE FRAME MITER APPLICATION - LED ON SIDE OF CHANNEL**



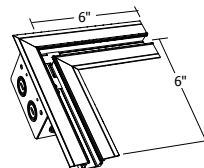
**TRULINE .5A  
SECTION VIEW - LED ON SIDE**



**PICTURE FRAME MITER INSTALLATION**



**TL.5A-L  
L-SHAPED  
CHANNEL CONNECTOR**



**TL.5A-LP  
L-SHAPED  
POWER CHANNEL CONNECTOR**

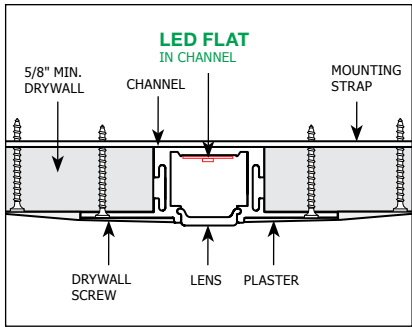
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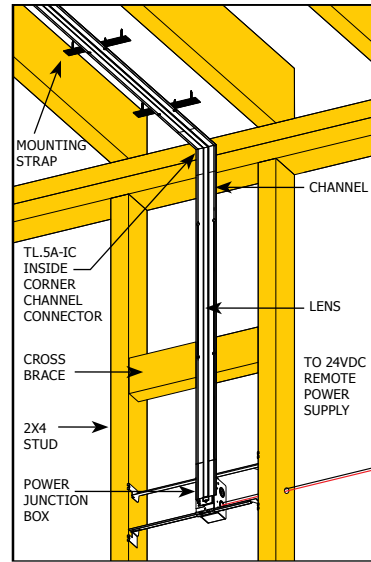
COMPANY		FIXTURE TYPE		DATE	
PROJECT		APPROVED BY			



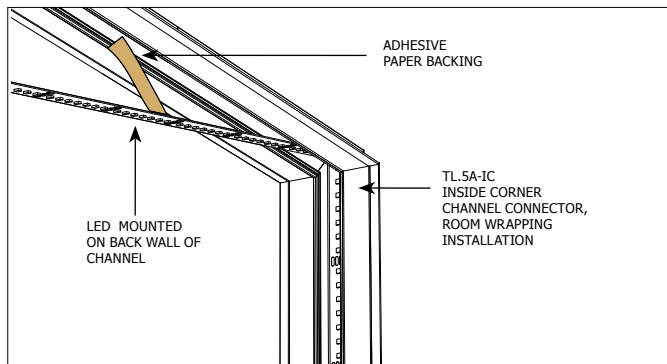
**ROOM WRAPPING APPLICATION - LED FLAT IN CHANNEL**



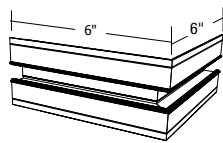
**TRULINE .5A SECTION VIEW  
LED FLAT IN CHANNEL**



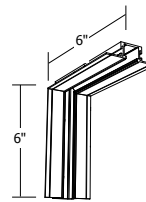
**TRULINE .5A ROOM WRAP**



**ROOM WRAPPING INSTALLATION**



**TL.5A-OC  
OUTSIDE CORNER  
CHANNEL CONNECTOR**



**TL.5A-IC  
INSIDE CORNER  
CHANNEL CONNECTOR**

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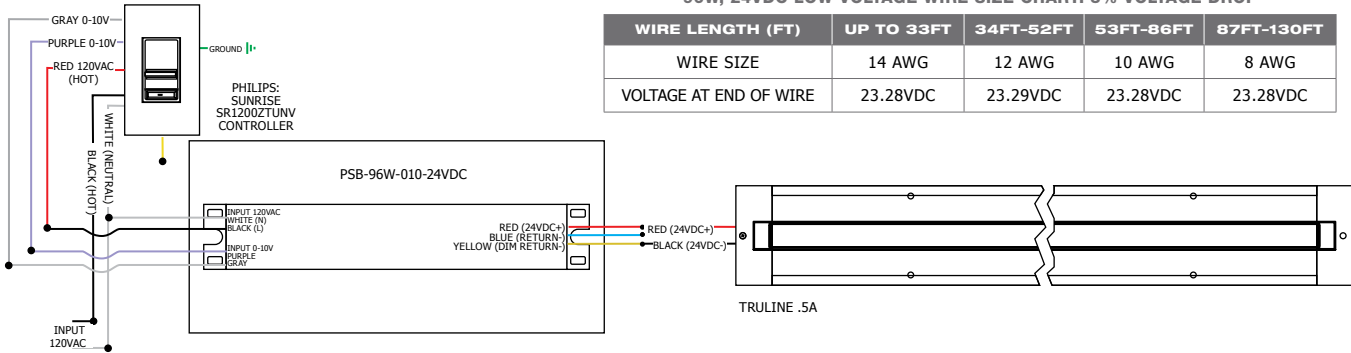




**Application:** 0-10V dimming for TruLine .5A  
**Power Supply:** PSB-96W-010-24VDC (24VDC 96W output) | PSB-2X96W-010-24VDC (24VDC 2X96W output).  
**Dimming:** Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-DL.

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



**2.5 WATTS PER FOOT - 24K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS**

LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	10
5	13
6	15
7	17
8	20
9	22
10	24

LENGTH IN FEET	WATTS
11	27
12	29
13	32
14	34
15	37
16	39
17	41
18	44
19	46
20	48

LENGTH IN FEET	WATTS
21	51
22	54
23	56
24	58
25	61
26	63
27	66
28	68
29	70
30	72

LENGTH IN FEET	WATTS
31	75
32	78
33	80
34	82
35	85
36	87
37	90
38	92
39	94
40	96

**5 WATTS PER FOOT - 24K, 27K, 30K, 35K, 40K, 57K, 2K4K AND RGB LEDS**

LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	20
5	24

LENGTH IN FEET	WATTS
6	30
7	34
8	40
9	44
10	48

LENGTH IN FEET	WATTS
11	54
12	58
13	64
14	68
15	72

LENGTH IN FEET	WATTS
16	78
17	82
18	88
19	92
20	96

**6 WATTS PER FOOT - RGBW LEDS**

LENGTH IN FEET	WATTS
1	6
2	12
3	18
4	24

LENGTH IN FEET	WATTS
5	30
6	36
7	42
8	48

LENGTH IN FEET	WATTS
9	54
10	60
11	66
12	72

LENGTH IN FEET	WATTS
13	78
14	84
15	90
16	96

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