

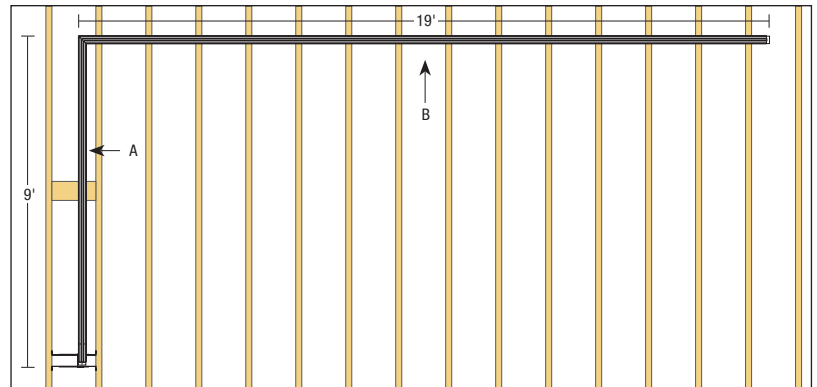
# HOW TO ORDER

## TRULINE .5A, 1A & 1.6A

The steps below show how to order standard TruLine .5A, 1A, and 1.6A, as well as how to specify a compatible Power Supply. Standard TruLine .5A is used as the example below to walk through the 5 steps. If the design exceeds the maximum lengths listed within the watts per foot column of the ordering code, send drawings to [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com) or call **773.770.1195** for custom design and layout assistance. See TruLine BIY for more complex design options. For inspiration on combining TruLine with other products see the **Modular Supplement Catalog** at [PureEdgeLighting.com/resources](http://PureEdgeLighting.com/resources).

# 1

**Create a lighting design** with dimension lines, rounding to the nearest whole foot. Label each channel (necessary for step 2).



# 2

**Determine overall run length** by adding all channel lengths together.

$$A + B = \text{Overall System Length}$$

$$9' + 19' = 28'$$

# 3

**Create the ordering code** by selecting the desired wattage, overall run length needed (step 2), and color temperature. TruLine .5A is used as the example below.

■ Selections ■ Exceptions

		Confirm length does not exceed max length per selected wattage				Confirm selected wattage is compatible with desired color temperature													
		↓				↓													
System	Watts Per Foot	Length in Feet		Color Temperature															
<b>TL.5A</b>	<b>2WDC</b>	<b>28FT</b>		<b>30K</b>															
<b>TL.5A</b> TruLine .5A	<b>2WDC</b> 2.5 watts (40 ft Max) <b>5WDC</b> 5 watts (20 ft Max) <b>6WDC</b> 6 watts (16 ft Max)	<b>1-40FT</b> 2WDC <b>1-20FT</b> 5WDC <b>1-16FT</b> 6WDC	<table border="0"> <tr> <td><b>24K</b> 2400K Amber White</td> <td><b>40K</b> 4000K Cool White</td> </tr> <tr> <td><b>27K</b> 2700K Very Warm White</td> <td><b>57K</b> 5700K Daylight White</td> </tr> <tr> <td><b>27D</b> 2700K Warm Dim (5WDC Only)</td> <td><b>2K4K</b> 2000K - 4000K Tunable White (5WDC Only)</td> </tr> <tr> <td><b>30K</b> 3000K Warm White</td> <td><b>RGB</b> Red, Green, and Blue (5WDC Only)</td> </tr> <tr> <td><b>30D</b> 3000K Warm Dim (5WDC Only)</td> <td><b>RGBW</b> Red, Green, Blue, and 2000K White (6WDC Only)</td> </tr> <tr> <td><b>35K</b> 3500K Neutral White</td> <td></td> </tr> </table>					<b>24K</b> 2400K Amber White	<b>40K</b> 4000K Cool White	<b>27K</b> 2700K Very Warm White	<b>57K</b> 5700K Daylight White	<b>27D</b> 2700K Warm Dim (5WDC Only)	<b>2K4K</b> 2000K - 4000K Tunable White (5WDC Only)	<b>30K</b> 3000K Warm White	<b>RGB</b> Red, Green, and Blue (5WDC Only)	<b>30D</b> 3000K Warm Dim (5WDC Only)	<b>RGBW</b> Red, Green, Blue, and 2000K White (6WDC Only)	<b>35K</b> 3500K Neutral White	
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# 4

**Review Power Supply options** on the website to determine what type of Power Supply best fits the dimming (ELV, 0-10V, or DMX) and space conditions as well as color temperature selection.

**For this example, an ELV Power Supply is being selected.**

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TRULINE .5A, 1A & 1.6A



# 5

**Determine the compatible Power Supply** for the design based on the ordering code selections (**TL.5A-2WDC-28FT-30K**) using the charts below. Keep in mind the type of Power Supply determined (step 4). For this example, the **PSB-100W-ELV-24VDC** Power Supply is the most efficient choice because it has the smallest wattage, while meeting the power requirements for the system.

ELECTRONIC LOW VOLTAGE (ELV) DIMMING POWER SUPPLIES	TL.5A & TL1A WHITE (24K - 57K) & WARM DIM (27D & 30D)				TL1.6A WHITE (24K - 57K) & WARM DIM (27D & 30D)			
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	2WDC Max Feet	5WDC Max Feet	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	10WDC Max Feet
PS-40W-ELV-24VDC	1	1	16	8	1	1	8	4
PSB-60W-ELV-24VDC	1	1	24	12	1	1	12	6
<b>PSB-100W-ELV-24VDC</b>	1	1	<b>40</b>	20	1	1	20	10
PSB-2X60W-ELV-24VDC	1	2	48	24	1	2	24	12
PSB-2X100W-ELV-24VDC	1	2	80	40	1	2	40	20
PSB-3X100W-ELV-24VDC	1	3	120	60	N/A	N/A	N/A	N/A
PSB-4X100W-ELV-24VDC	1	4	160	80	1	4	80	40

0-10V DIMMING POWER SUPPLIES	TL.5A & TL1A WHITE (24K - 57K)				TL1.6A WHITE (24K - 57K)			
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	2WDC Max Feet	5WDC Max Feet	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	10WDC Max Feet
PSB-25W-010-24VDC	1	1	10	5	1	1	5	2
PSB-96W-010-24VDC	1	1	40	20	1	1	20	10
PSB-2X96W-010-24VDC	1	2	80	40	1	2	40	20
PSB-3X96W-010-24VDC	1	3	120	60	N/A	N/A	N/A	N/A
PSB-4X96W-010-24VDC	1	4	160	80	1	4	80	40

ELECTRONIC LOW VOLTAGE (ELV) DIMMING POWER SUPPLIES	TL.5A & TL1A 2K4K			TL1.6A 2K4K		
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	10WDC Max Feet
PS-40W-ELV-24VDC	2	1	16	2	1	8
PSB-2X60W-ELV-24VDC	1	1	20	1	1	12
PSB-2X100W-ELV-24VDC	1	2	40	1	1	20
PSB-4X100W-ELV-24VDC	1	4	80	1	2	40
0-10V DIMMING POWER SUPPLIES	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	10WDC Max Feet
PSB-2X96W-010-24VDC	1	1	20	1	1	20
PSB-2X96W-010-24VDC	1	2	40	N/A	N/A	N/A
PSB-4X96W-010-24VDC	1	4	80	1	2	40

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES	TL.5A & TL1A 2K4K, RGB & RGBW				TL1.6A 2K4K, RGB & RGBW			
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC 2K4K & RGB Max Feet	6WDC RGBW Max Feet	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	10WDC 2K4K & RGB Max Feet	12WDC RGBW Max Feet
PSB-25W-24VDC-RGB	1	1	5	4	1	1	2	2
PSB-25W-24VDC-RGB	N/A	N/A	N/A	N/A	2	1	5	4
PSB-100W-24VDC-RGB	1	1	20	16	1	1	10	8
PSB-2X100W-24VDC-RGB	1	2	40	32	1	1	20	16
PSB-3X100W-24VDC-RGB	1	3	60	48	N/A	N/A	N/A	N/A
PSB-4X100W-24VDC-RGB	1	4	80	64	1	2	40	32

Maximum lengths are determined based on average power consumption.