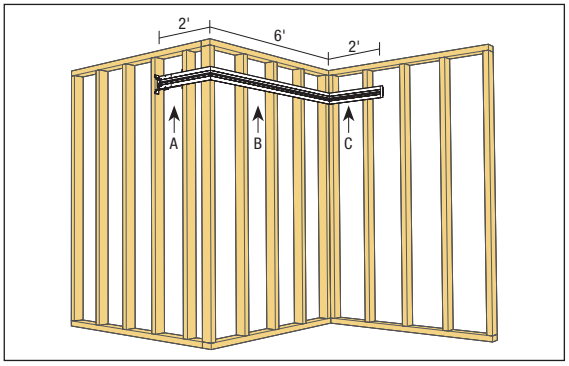
HOW TO ORDER

REVEAL BIY

The steps below show how to order Reveal BIY, as well as how to specify a compatible Power Supply. Reveal BIY uses Pre-Formed Components for the creation of more complex lighting designs. For additional assistance or custom designs, send drawings to **design@PureEdgeLighting.com** or call **773.770.1195**.

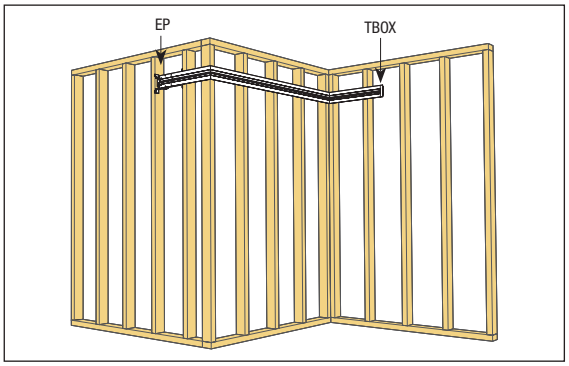
1 **Create a lighting design** with dimension lines, rounding up to the nearest whole foot. Label each channel (necessary for step 2).



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

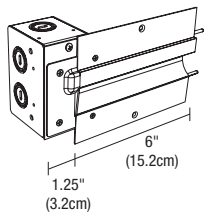
A + B + C = Overall System Length
2' + 6' + 2' = 10'

3 **Determine quantity of Pre-Formed Components and Take-Up Boxes needed** based on lighting design. In this example, (1) EP and (1) TBOX are needed.



4 **Determine quantity of Reveal channels needed** by subtracting End Feed Power Channel Connector length from overall system length (step 2) and round up to the nearest 8 foot increment. In this example, two 8 foot channels are needed.

*Channel Joiners are included with Pre-Formed Components and power feeds. Additional joiners may be needed based on lighting design, and can be ordered separately. This example does not require extra joiners.



RV-EP

End Feed Power Channel Connector length = 6"
Overall run length - total Pre-Formed Component length = 10' - 6" = 9'6"
Round up to the nearest 8 foot increment = 16' = Two 8' Channels

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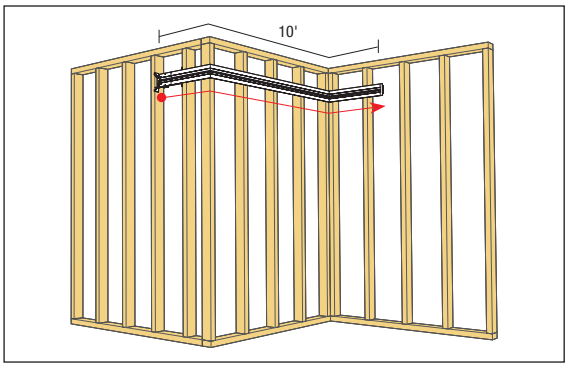
5 **Select LED Soft Strip** based on wattage and color temperature.

For this example, 5W White LED Soft Strip at 3000K is selected.

6 **Determine length of LED Soft Strip needed** based on lighting design. A new LED Soft Strip is needed when the maximum length is reached, and starts in a power connector and ends in a Take-Up Box. For this example, one LED Soft Strip is needed at 10 feet.



7 **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.

8 **Determine the most efficient Power Supply** based on the lighting design and LED Soft Strip selection using the chart on the next page. For this example, the **PSB-60W-ELV-24VDC** is the most efficient choice because it has the smallest wattage, while meeting the power requirements for the system. Multiple Power Supplies may be required based on the lighting design. For more information consult our lighting experts by emailing **design@PureEdgeLighting.com** or calling **773.770.1195**.

9 **Create Bill of Materials** to list all components needed.

QUANTITY	ORDERING CODE
1	RV-EP
1	RV-TBOX
2	RV-CH-8FT
1	SS5C-24V-10-30K
1	PSB-60W-ELV-24VDC

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HOW TO ORDER

REVEAL BIY

Use the chart below to determine the most efficient Power Supply for step 8. Keep in mind the overall run length (step 2), selected LED Soft Strip (step 5), and the type of Power Supply determined (step 7). For this example the overall run length is **10'**, the LED Soft Strip is **5 watts at 3000K**, and the type of Power Supply determined is **ELV**. For this example, the **PSB-60W-ELV-24VDC** 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	REVEAL WHITE (24K - 57K) & WARM DIM (27D & 30D)					
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	2WDC Max Feet	5WDC Max Feet	7WDC Max Feet	10WDC Max Feet
PS-40W-ELV-24VDC	1	1	16	8	5	4
PSB-60W-ELV-24VDC	1	1	24	12	8	6
PSB-100W-ELV-24VDC	1	1	40	20	12	10
PSB-2X60W-ELV-24VDC	1	2	48	24	16	12
PSB-2X100W-ELV-24VDC	1	2	80	40	24	20

0-10V DIMMING POWER SUPPLIES	REVEAL WHITE (24K - 57K)					
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	2WDC Max Feet	5WDC Max Feet	7WDC Max Feet	10WDC Max Feet
PSB-25W-010-24VDC	1	1	10	5	3	2
PSB-96W-010-24VDC	1	1	40	20	12	10
PSB-2X96W-010-24VDC	1	2	80	40	24	20

ELECTRONIC LOW VOLTAGE (ELV) DIMMING POWER SUPPLIES	REVEAL 2K4K			
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	10WDC Max Feet
PS-40W-ELV-24VDC	2	1	16	8
PSB-2X60W-ELV-24VDC	1	1	20	10
PSB-2X100W-ELV-24VDC	1	2	40	20
0-10V DIMMING POWER SUPPLIES	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	5WDC Max Feet	10WDC Max Feet
PSB-2X96W-010-24VDC	1	2	40	20

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES	REVEAL 2K4K, RGB & RGBW				
	# OF POWER SUPPLIES NEEDED	# OF CLASS 2 24VDC FEEDS	3WDC RGB Max Feet	5WDC 2K4K Max Feet	6WDC RGBW Max Feet
PSB-25W-24VDC-RGB	1	1	9	5	4
PSB-100W-24VDC-RGB	1	1	36	20	16
PSB-2X100W-24VDC-RGB	1	2	72	40	32

Maximum lengths are determined based on average power consumption.

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