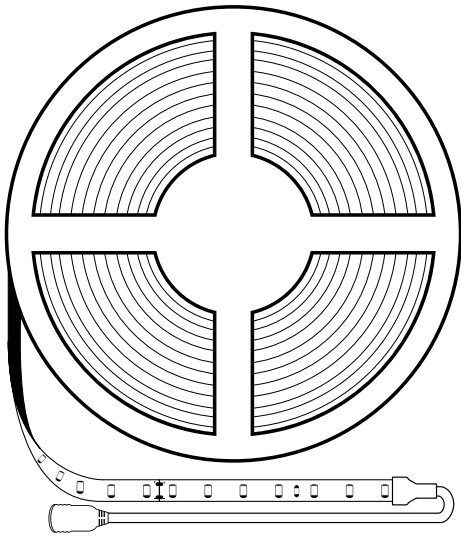


PRO-LINE 2835 50W LED STRIP LIGHT



490 LEDs
16.4ft

**UP TO 325+
LUMENS / FT**

Product Description

Solid Apollo's PRO-Line 2835 50W LED Strip Lights are designed to produce light with an incredibly high Color Rendering Index of 92+. Thanks to the high CRI produced by powerful 2835 LEDs (30% more powerful than the regular 3528 LEDs), this strip is able to bring out the authentic colors of any object in a much better way than regular LED strip lights.

The PRO-Line 50W LED Strip Light is the perfect choice for any high-end display lighting, entertainment lighting, or accent lighting applications in retail and hospitality environments.

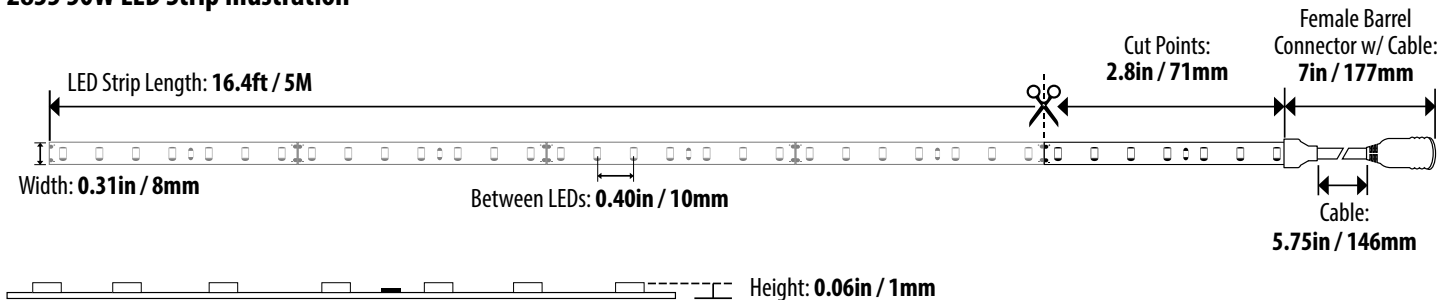
Main Features include:

- ETL Listed for Safety and Durability.
- Super High Color Rendering Index of 92+.
- 6-inch lead wires for easy connection.
- Small 2.8" cut points that are clearly marked.
- Easy installation with a built-in 3M tape.
- Fully dimmable to any desired brightness with optional Dimmers.
- Wide range of white color temperatures to choose from (see table below).

Quick Spec.

- | | |
|------------------------------|--|
| • Fully Dimmable: Yes | • Certification: ETL, CE, RoHS |
| • Voltage: 24V DC | • PCB Width: 8mm / 0.31in |
| • Total Wattage: 50W | • Dimensions: 196.8in x 0.31in x 0.06in |
| • Beam Angle: 120° | • Working Temperature: -40° to 122°F |

2835 50W LED Strip Illustration



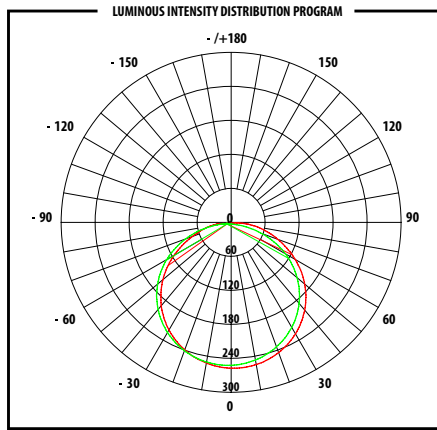
Technical Information

Available LED Color	SKU#	Temp (K)	Total LEDs	Lumens / Ft.	Max Wattage	LED Type	Color Rendering Index	Minimum Cut
Super Warm White	SA-LS-PRO-SWW-2835-490-24V	2700K	490	275	50W	SMD 2835	92+	2.81in / 71mm
Warm White	SA-LS-PRO-WW-2835-490-24V	3100K	490	287	50W	SMD 2835	92+	2.81in / 71mm
Daylight White	SA-LS-PRO-DLW-2835-490-24V	4000K	490	305	50W	SMD 2835	92+	2.81in / 71mm
Natural White	SA-LS-PRO-NW-2835-490-24V	5000K	490	317	50W	SMD 2835	92+	2.81in / 71mm
White	SA-LS-PRO-W-2835-490-24V	6000K	490	329	50W	SMD 2835	92+	2.81in / 71mm

PRO-LINE 2835 50W LED STRIP LIGHT PHOTOMETRICS

Super Warm White (2700K)

SKU: SA-LS-PRO-SWW-2835-490-24V

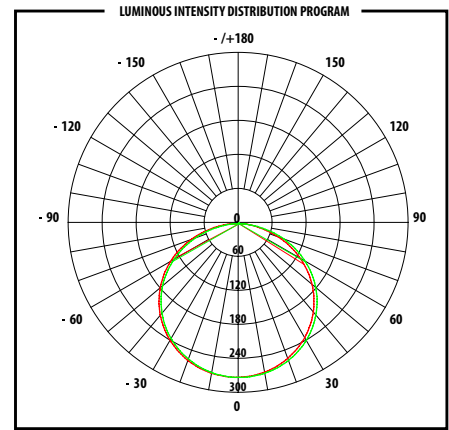


AVERAGE BEAM ANGLE (50%): 119.6 DEG

UNIT: cd
 — C0 / 180, 119.3
 — C90 / 270, 119.8

Warm White (3100K)

SKU: SA-LS-PRO-WW-2835-490-24V

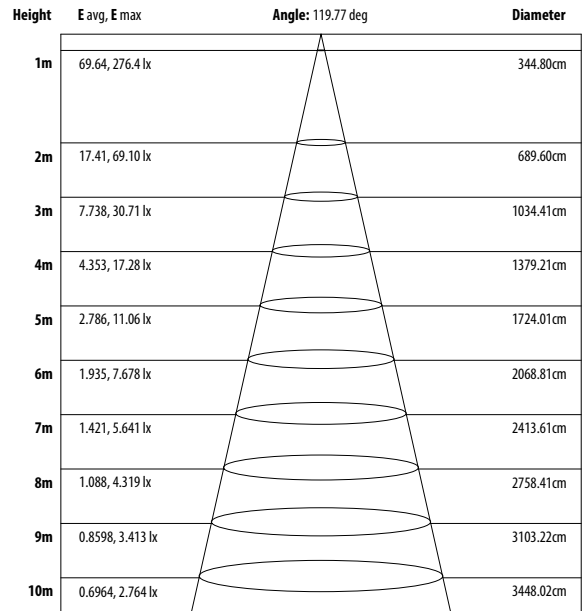
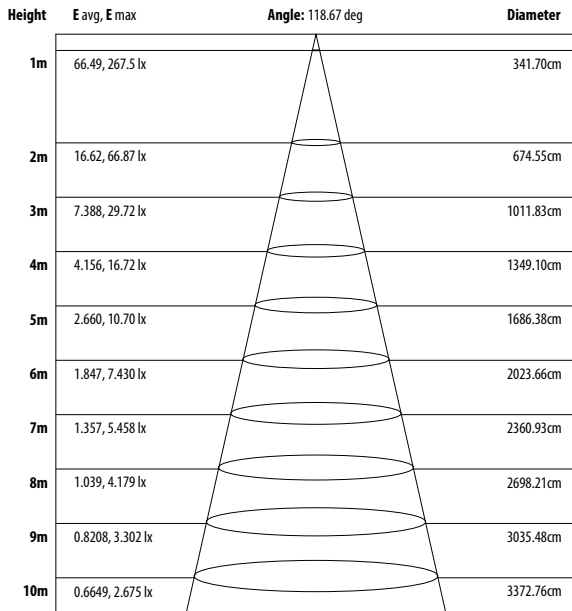


AVERAGE BEAM ANGLE (50%): 120.0 DEG

UNIT: cd
 — C0 / 180, 119.8
 — C90 / 270, 120.3

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	267.3	259.2	259.3	257.8	0-10	25.09	25.09	2.94, 2.94
20	259.5	248.8	243.8	246.0	10-20	72.35	97.44	11.4, 11.4
30	244.1	231.1	220.8	226.9	20-30	111.2	208.6	24.5, 24.5
40	221.0	205.9	190.8	200.5	30-40	136.7	345.3	40.5, 40.5
50	190.3	173.3	153.6	167.2	40-50	145.5	490.8	57.5, 57.5
60	152.9	134.2	111.3	127.4	50-60	135.8	626.6	73.5, 73.5
70	111.4	89.11	68.31	82.00	60-70	108.6	735.2	86.2, 86.2
80	72.38	40.91	37.68	35.11	70-80	70.39	805.6	94.5, 94.5
90	37.15	3.189	16.68	2.870	80-90	31.83	837.5	98.2, 98.2
100	9.947	0.4200	4.839	0.4512	90-100	9.558	847.0	99.3, 99.3
110	0.6198	0.6017	0.7335	0.6296	100-110	1.715	848.7	99.5, 99.5
120	0.6860	0.7898	0.9122	0.8082	110-120	0.7064	849.4	99.6, 99.6
130	0.8428	0.9620	1.081	1.003	120-130	0.7928	850.2	99.7, 99.7
140	1.021	1.116	1.225	1.144	130-140	0.8126	851.0	99.8, 99.8
150	1.181	1.250	1.344	1.263	140-150	0.7488	851.8	99.8, 99.9
160	1.303	1.344	1.435	1.341	150-160	0.6060	852.4	99.9, 99.9
170	1.391	1.404	1.476	1.398	160-170	0.3944	852.8	100, 100
180	1.488	1.438	1.488	1.423	170-180	0.1363	852.9	100, 100

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	270.6	272.7	273.5	272.5	0-10	26.18	26.18	3.01, 3.01
20	257.3	261.2	263.3	260.8	10-20	75.55	101.7	11.7, 11.7
30	236.4	241.9	245.1	241.6	20-30	116.2	217.9	25.25
40	207.7	215.0	219.4	214.8	30-40	143.1	361.0	41.5, 41.5
50	171.8	180.3	185.8	180.6	40-50	152.6	513.6	59.59
60	129.0	138.5	146.0	139.4	50-60	142.7	656.4	75.4, 75.4
70	80.92	90.43	99.55	92.10	60-70	113.7	770.1	88.5, 88.5
80	33.69	38.74	50.66	42.25	70-80	69.44	839.5	96.5, 96.5
90	5.316	2.723	12.20	5.445	80-90	23.40	862.9	99.2, 99.2
100	0.6497	0.4421	1.119	0.4355	90-100	2.339	865.3	99.4, 99.4
110	0.6298	0.6394	0.6207	0.6360	100-110	0.6113	865.9	99.5, 99.5
120	0.8302	0.8400	0.7834	0.8428	110-120	0.7206	866.6	99.6, 99.6
130	1.025	1.025	0.9715	1.050	120-130	0.8261	867.4	99.7, 99.7
140	1.169	1.191	1.153	1.191	130-140	0.8519	868.3	99.8, 99.8
150	1.328	1.329	1.307	1.319	140-150	0.7831	869.1	99.9, 99.9
160	1.425	1.423	1.429	1.404	150-160	0.6341	869.7	99.9, 99.9
170	1.492	1.479	1.501	1.479	160-170	0.4114	870.1	100, 100
180	1.517	1.514	1.507	1.505	170-180	0.1429	870.2	100, 100

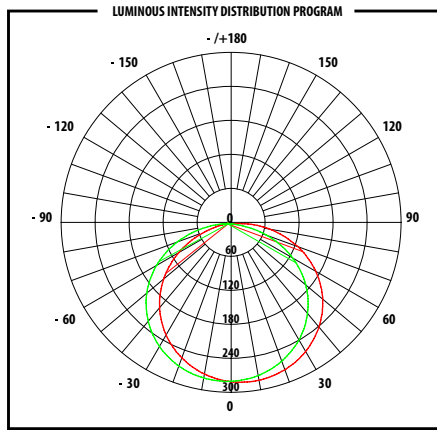


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PRO-LINE 2835 50W LED STRIP LIGHT PHOTOMETRICS

Daylight White (4000K)

SKU: SA-LS-PRO-DLW-2835-490-24V

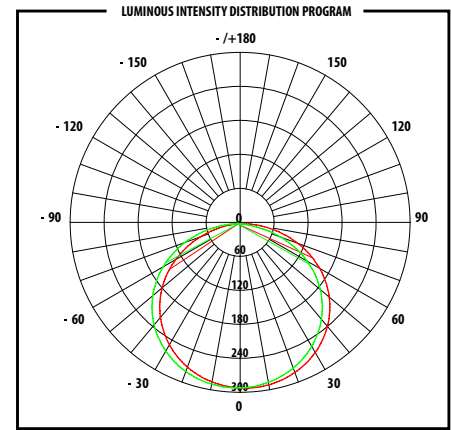


AVERAGE BEAM ANGLE (50%): 121.3 DEG

UNIT: cd
 — CO / 180, 121.1
 — C90 / 270, 121.6

Natural White (5000K)

SKU: SA-LS-PRO-NW-2835-490-24V

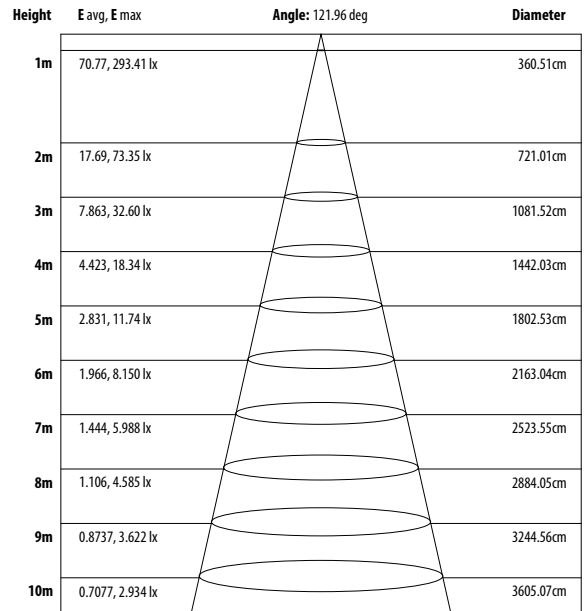
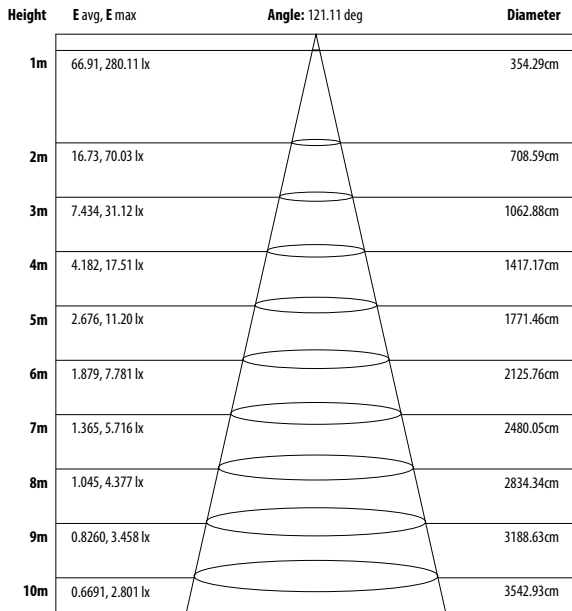


AVERAGE BEAM ANGLE (50%): 122.2 DEG

UNIT: cd
 — CO / 180, 122.0
 — C90 / 270, 122.4

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	282.8	275.5	268.3	276.3	0-10	26.50	26.50	2.95, 2.95
20	278.9	264.0	249.5	265.7	10-20	76.58	103.1	11.5, 11.5
30	267.3	244.9	223.2	247.5	20-30	118.1	221.2	24.6, 24.6
40	247.6	217.9	189.4	221.6	30-40	146.1	367.3	40.8, 40.8
50	219.7	183.0	148.0	187.8	40-50	156.5	523.7	58.2, 58.2
60	183.7	140.4	100.1	146.2	50-60	147.0	670.7	74.6, 74.6
70	139.8	90.96	49.30	97.66	60-70	117.7	788.4	87.6, 87.6
80	89.47	37.04	10.14	45.88	70-80	73.50	861.9	95.8, 95.8
90	35.53	0.7202	0.6925	5.531	80-90	28.69	890.6	99, 99
100	0.3419	0.4733	0.6834	0.4512	90-100	3.997	894.6	99.4, 99.4
110	0.4446	0.6708	0.8652	0.6518	100-110	0.5964	895.2	99.5, 99.5
120	0.6173	0.8714	1.072	0.8398	110-120	0.7465	895.9	99.6, 99.6
130	0.8147	1.069	1.238	1.040	120-130	0.8508	896.8	99.7, 99.7
140	1.043	1.222	1.366	1.197	130-140	0.8713	897.7	99.8, 99.8
150	1.194	1.363	1.463	1.347	140-150	0.7989	898.5	99.9, 99.9
160	1.347	1.460	1.542	1.422	150-160	0.6445	899.1	99.9, 99.9
170	1.451	1.507	1.551	1.504	160-170	0.4180	899.5	100, 100
180	1.545	1.542	1.551	1.542	170-180	0.1447	899.7	100, 100

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	472.5	465.3	457.2	465.1	0-10	44.68	44.68	2.95, 2.95
20	461.7	447.2	430.9	446.8	10-20	129.2	173.9	11.5, 11.5
30	438.1	416.5	392.0	416.0	20-30	199.6	373.5	24.6, 24.6
40	401.2	372.5	340.1	372.2	30-40	247.3	620.9	40.9, 40.9
50	350.6	314.8	275.1	314.9	40-50	265.6	886.5	58.4, 58.4
60	286.3	243.8	197.9	244.4	50-60	250.1	1137	74.9, 74.9
70	208.9	160.1	111.6	161.4	60-70	200.5	1337	88.2, 88.2
80	121.7	68.27	32.24	73.19	70-80	123.4	1460	96.3, 96.3
90	39.56	0.6540	1.891	6.585	80-90	42.73	1503	99.1, 99.1
100	0.7001	0.8242	1.056	0.8365	90-100	4.714	1508	99.4, 99.4
110	0.8863	1.169	1.382	1.184	100-110	1.074	1509	99.5, 99.5
120	1.247	1.514	1.718	1.535	110-120	1.317	1510	99.6, 99.6
130	1.567	1.827	2.015	1.842	120-130	1.490	1512	99.7, 99.7
140	1.886	2.097	2.256	2.096	130-140	1.511	1513	99.8, 99.8
150	2.150	2.322	2.435	2.322	140-150	1.377	1515	99.9, 99.9
160	2.403	2.473	2.585	2.457	150-160	1.110	1516	99.9, 99.9
170	2.554	2.576	2.664	2.554	160-170	0.7192	1517	100, 100
180	2.660	2.632	2.667	2.635	170-180	0.2487	1517	100, 100

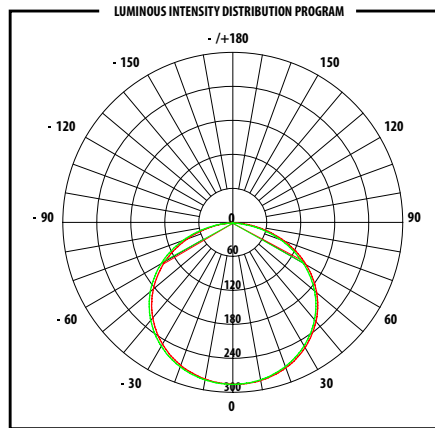


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PRO-LINE 2835 50W LED STRIP LIGHT PHOTOMETRICS

White (6000K)

SKU: SA-LS-PRO-W-2835-490-24V



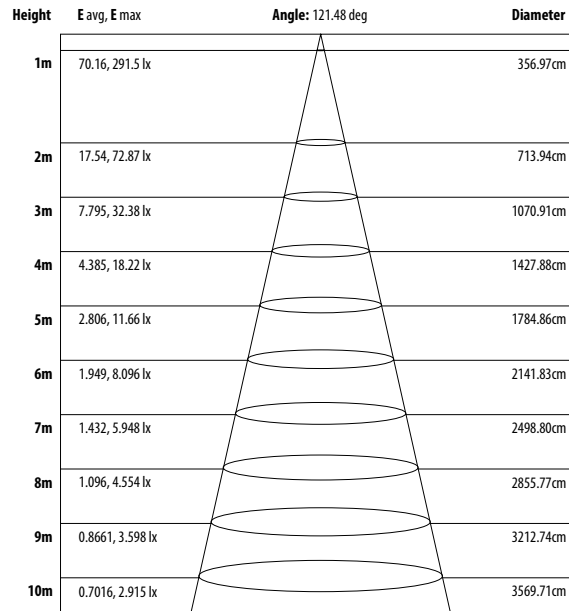
AVERAGE BEAM ANGLE (50%): 121.6 DEG

UNIT: cd

— C0 / 180, 121.5

— C90 / 270, 121.8

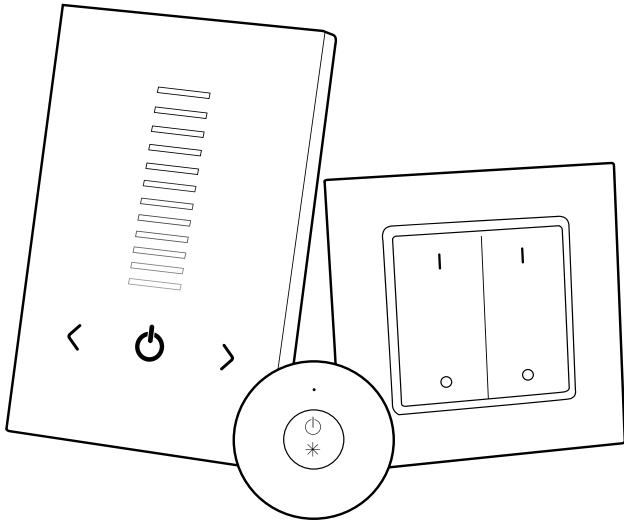
DEG.		Luminous Intensity: cd					DEG.		
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp	
10	289.0	287.8	286.5	288.0	0-10	27.65	27.65	2.97, 2.97	
20	278.9	276.6	274.1	276.9	10-20	80.01	107.7	11.5, 11.5	
30	260.6	257.2	253.7	257.9	20-30	123.6	231.3	24.8, 24.8	
40	234.0	229.8	225.2	231.0	30-40	153.2	384.4	41.2, 41.2	
50	198.7	193.9	188.4	195.5	40-50	164.4	548.8	58.9, 58.9	
60	155.0	148.6	143.8	151.7	50-60	154.4	703.2	75.4, 75.4	
70	103.8	96.55	92.45	100.5	60-70	123.3	826.5	88.6, 88.6	
80	49.47	40.97	39.99	46.05	70-80	75.07	901.6	96.7, 96.7	
90	9.288	1.872	5.527	4.859	80-90	23.86	925.4	99.2, 99.2	
100	0.6457	0.5015	0.7113	0.4821	90-100	1.713	927.1	99.4, 99.4	
110	0.6361	0.7082	0.7210	0.6893	100-110	0.6644	927.8	99.5, 99.5	
120	0.8393	0.9152	0.9121	0.8961	110-120	0.7790	928.6	99.6, 99.6	
130	1.043	1.125	1.122	1.106	120-130	0.8930	929.5	99.7, 99.7	
140	1.194	1.279	1.291	1.303	130-140	0.9153	930.4	99.8, 99.8	
150	1.366	1.423	1.429	1.391	140-150	0.8385	931.2	99.9, 99.9	
160	1.488	1.514	1.545	1.485	150-160	0.6745	931.9	99.9, 99.9	
170	1.548	1.570	1.608	1.542	160-170	0.4372	932.3	100, 100	
180	1.604	1.604	1.608	1.601	170-180	0.1508	932.5	100, 100	



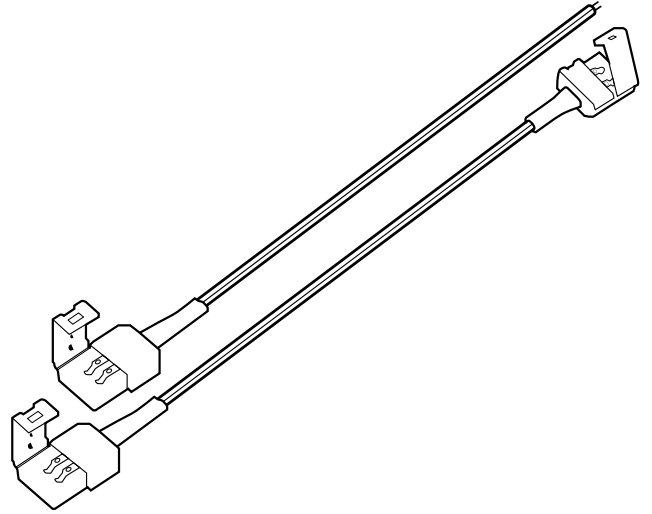
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PRO-LINE 2835 50W LED STRIP LIGHT ACCESSORIES

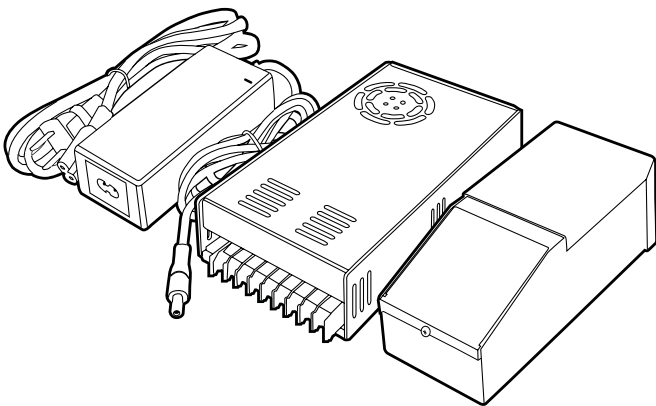
Dimmers



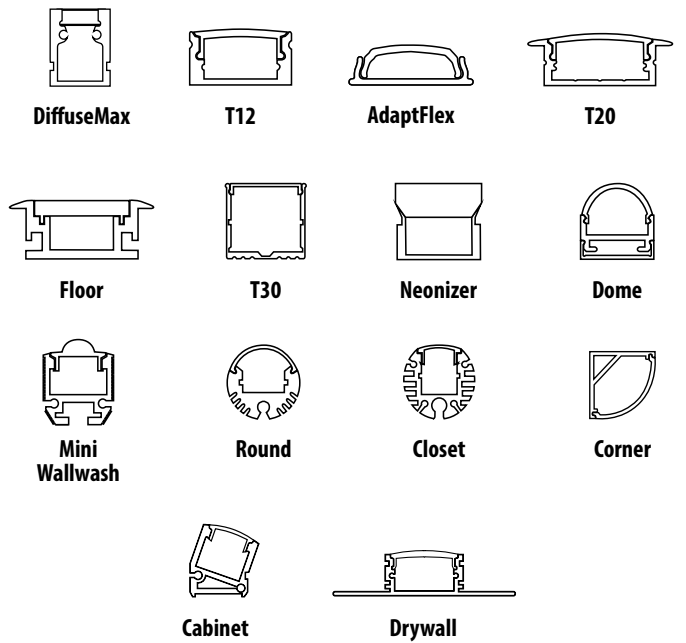
LED Strip Connectors



Power Supplies

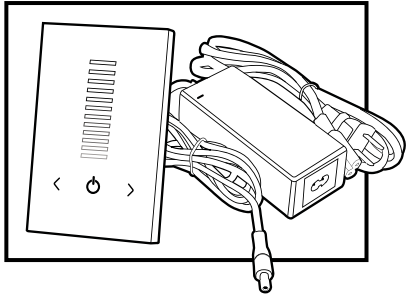


LED Strip Channels

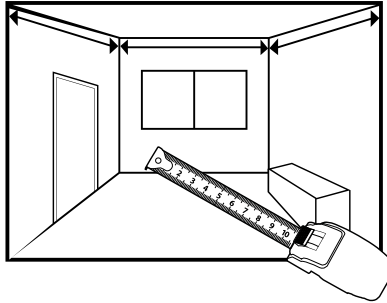


PRO-LINE 2835 50W LED STRIP LIGHT INSTALLATION GUIDE

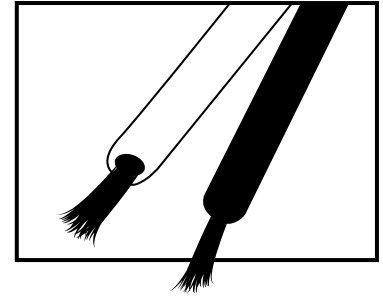
1. Determine where to install the Driver and optional Dimmer.



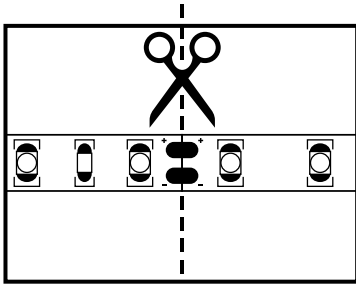
2. Determine the measurement of area where LED Strip Lights will be placed.



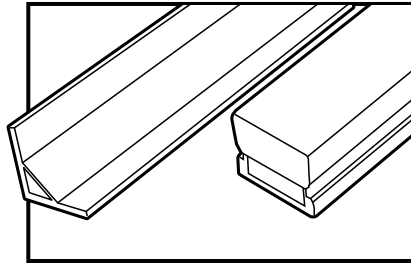
3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).



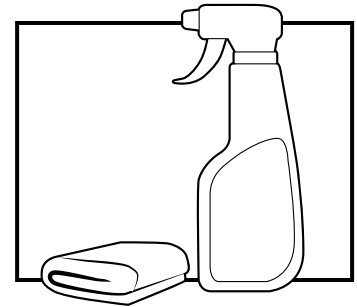
4. Cut LED Strip Lights (at cutting points) to fit or Join multiple Strips as recommended to cover installation area.



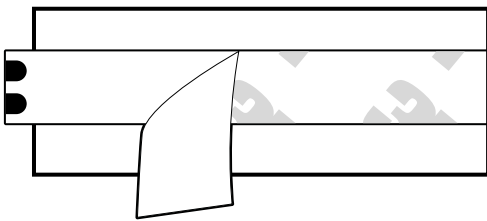
5. If using Channels, cut or extend them to fit size of the installation area



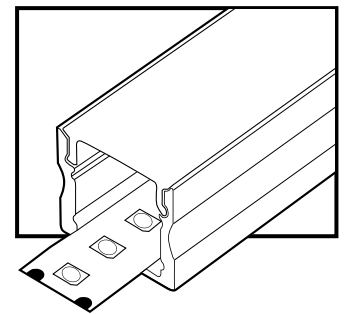
6. Thoroughly clean the surface where the LED Strip will be mounted.



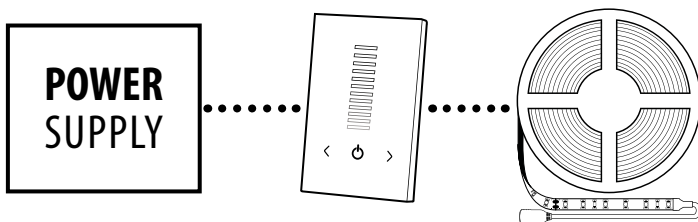
7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.



B. If using Channels, mount the LED Strip in the Channel and mount it to the desired surface.



8. Complete the connection/wiring between the Power Supply, optional dimmer and LED Strips.

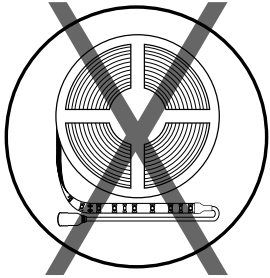


9. Power up and enjoy!

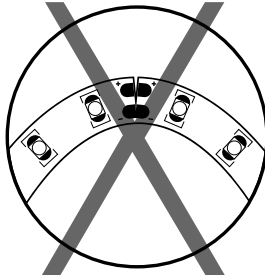
Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

PRO-LINE 2835 50W LED STRIP LIGHT WARNINGS

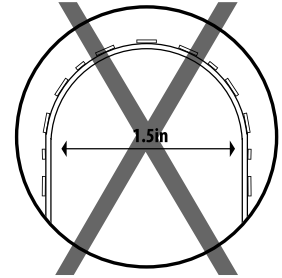
Do not power LED Strip still coiled in spool.



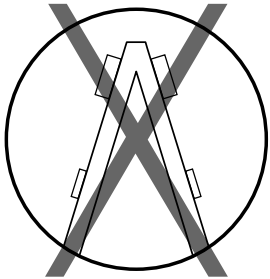
Do not bend LED Strip sideways.



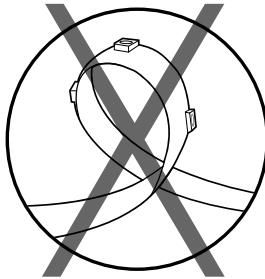
Do not bend LED strips to a diameter less than 1.5 inches.



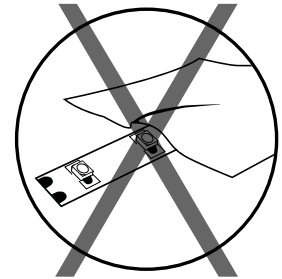
Do not fold or crease LED Strip.



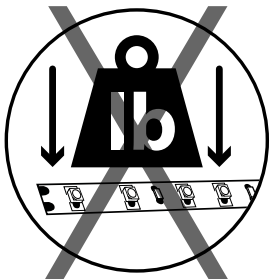
Do not twist LED Strip.



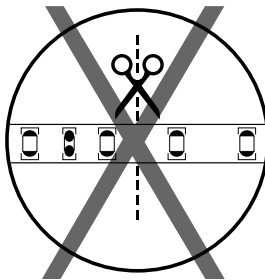
Do not cover LED Strip with anything other than LED Channel Diffusers.



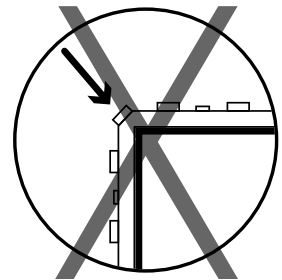
Do not put direct excessive pressure on the LED surface.



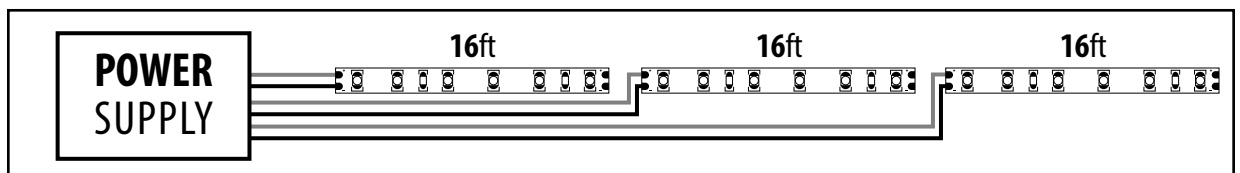
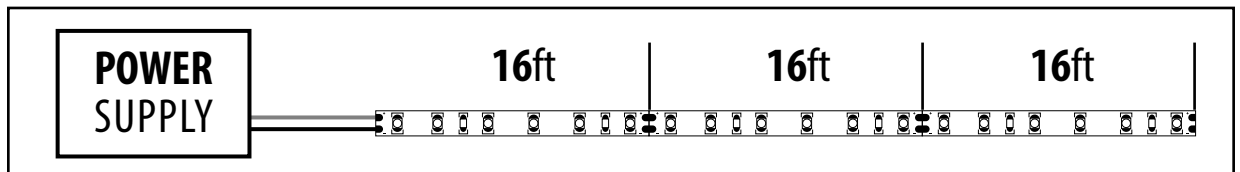
Do not cut LED Strips except at designated cutting points.



Do not position LED at an angled surface where it is pressed.



Do not connect or interconnect more than 16 feet (5 meters) of LED Strip to one Power Feed.



PRO-LINE 2835 50W LED STRIP LIGHT SAFETY & WARRANTY

Safety / Disclosures

1. Please follow the included installation guide for proper installation procedure (See pg. 6).
2. Install in accordance with your national or local electrical code regulations.
3. Not suitable for wet locations.
4. Do not expose LED chips to direct sunlight continuously.
5. Do not expose to heat more than the specified Temperature ratings and do not install too close to stoves, fireplaces, and so on.
6. Only install with the required Driver/Power Supply – 24V DC Constant Voltage Driver.
7. Use a separate power feed for each recommended maximum run.
8. Only use cables that are certified for use with external connection of electrical equipment and rated for at least 80°C (176°F)
9. Do not mishandle product or modify beyond the guidelines given as this may void product Warranty.
10. Only use the recommended accessories and wires to connect between LED Strip Light, Driver, Controller, and other devices in between.
11. The output color of the LED Strips may have slight variation from that of the pictures on this document or website due to photo rendering limitations.
12. Design improvements and modification of the products could happen from to time and we reserve the right to do these improvements necessary without any prior notice.

Warranty

The PRO-Line 2835 50W LED Strip Lights come with a 5-year limited warranty from the date it is shipped to the customer. This warranty covers the product as long as it is used for the designed purpose and normally operated unless otherwise stated.

Please visit www.solidapollo.com/returns-amp-warranty.html for the complete warranty details on the product. For any additional questions about product warranty, feel free to contact customer support at 425.582.7533.