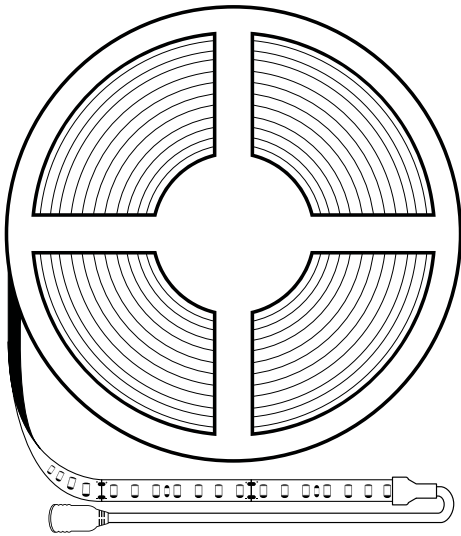


PRO-LINE 2835 85W LED STRIP LIGHT



840 LEDs
16.4ft

**UP TO 550+
LUMENS / FT**

Product Description

For any application where the appearance of displayed objects is tremendously important, there is no equivalent of Solid Apollo's PRO-Line 2835 85W. This strip has an incredibly high Color Rendering Index of more than 92, and it is able to bring out the original authentic colors of objects much better than regular LED strip lights.

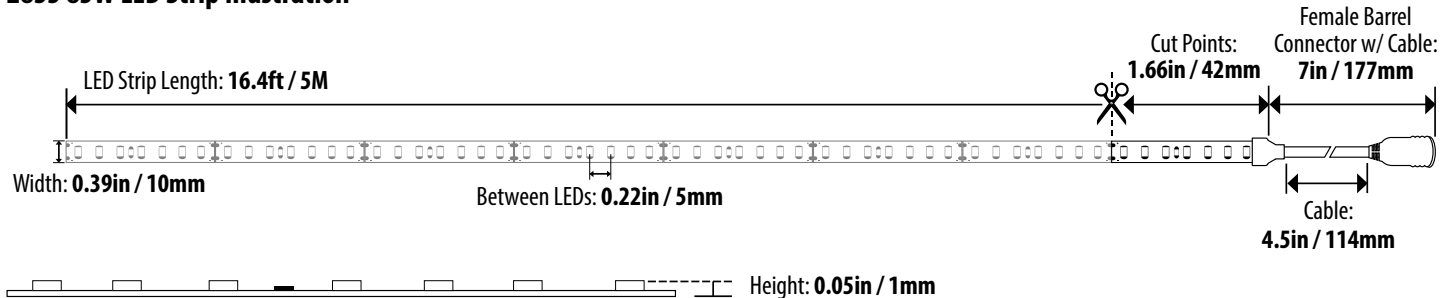
The PRO-Line 2835 85W strip is designed with 840 pieces of 2835 SMDs (Surface Mounted Diode), which are 30% more powerful than the regular 3528 SMD LEDs. The main features of the strip include:

- ETL Listed for Safety and Durability.
- High Color Rendering Index of 92+.
- 6-inch lead wires for easy connection.
- Clearly marked cut points every 1.66".
- 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
- **Voltage:** 24V DC
- **Total Wattage:** 85W
- **Beam Angle:** 120°
- **Certification:** ETL, CE, RoHS
- **PCB Width:** 10mm / 0.39in
- **Dimensions:** 196.8in x 0.39in x 0.05in
- **Working Temperature:** -40° to 122°F

2835 85W LED Strip Illustration



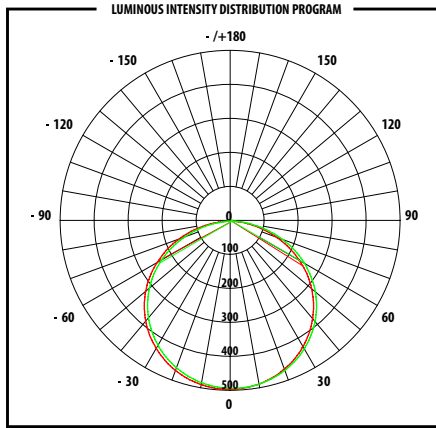
Technical Information

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-2835-840-24V	2700K	840	451	85W	SMD 2835	92+	1.66in / 42mm
Warm White	SA-LS-PRO-WW-2835-840-24V	3100K	840	487	85W	SMD 2835	92+	1.66in / 42mm
Daylight White	SA-LS-PRO-DLW-2835-840-24V	4000K	840	492	85W	SMD 2835	92+	1.66in / 42mm
Natural White	SA-LS-PRO-NW-2835-840-24V	5000K	840	522	85W	SMD 2835	92+	1.66in / 42mm
White	SA-LS-PRO-W-2835-840-24V	6000K	840	552	85W	SMD 2835	92+	1.66in / 42mm

DATA SHEET
PRO-LINE 2835 85W LED STRIP LIGHT PHOTOMETRICS

Super Warm White (2700K)

SKU: SA-LS-PRO-SWW-2835-840-24V

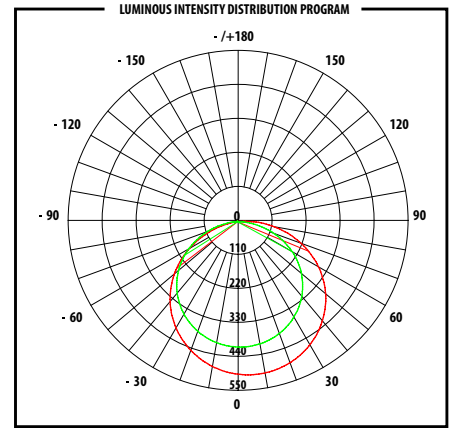


AVERAGE BEAM ANGLE (50%): **119.6 DEG**

UNIT: cd
 — CO / 180, 119.3
 — C90 / 270, 119.9

Warm White (3100K)

SKU: SA-LS-PRO-WW-2835-840-24V

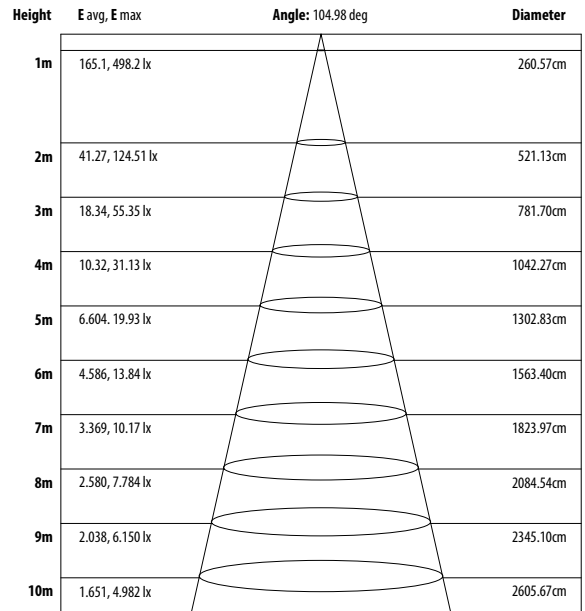
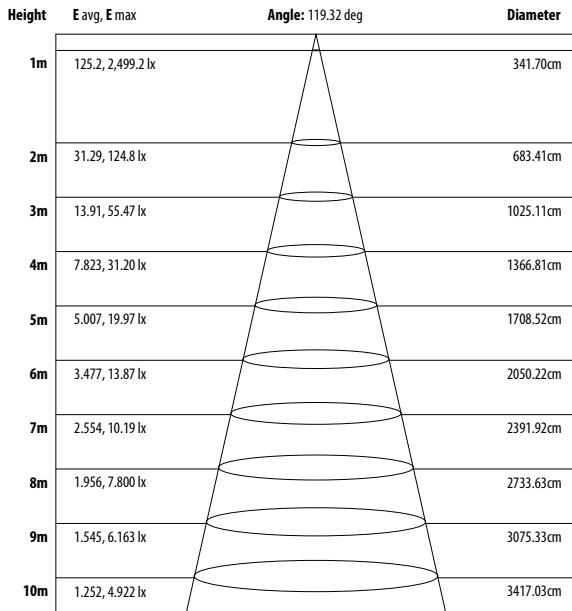


AVERAGE BEAM ANGLE (50%): **119.4 DEG**

UNIT: cd
 — CO / 180, 120.0
 — C90 / 270, 118.8

DEG.	Luminous Intensity: cd							DEG.
y	CO	C90	C180	C270	y	Zone	Total	%lum, lamp
10	489.2	489.6	494.7	489.0	0-10	47.17	47.17	3.04, 3.04
20	464.7	468.7	475.9	467.6	10-20	136.1	183.2	11.8, 11.8
30	426.2	433.9	442.9	432.4	20-30	209.0	392.3	25.2, 25.2
40	374.1	385.3	396.6	383.9	30-40	257.3	649.5	41.8, 41.8
50	308.9	323.1	336.5	322.0	40-50	274.1	923.6	59.4, 59.4
60	231.5	247.9	262.5	247.8	50-60	256.0	1180	75.9, 75.9
70	143.8	161.3	179.0	162.3	60-70	203.2	1383	89, 89
80	55.25	69.14	88.96	72.57	70-80	122.7	1506	96.9, 96.9
90	3.453	3.770	14.79	5.549	80-90	37.43	1543	99.3, 99.3
100	1.025	0.8400	1.081	0.8680	90-100	2.054	1545	99.4, 99.4
110	1.231	1.210	1.169	1.243	100-110	1.125	1546	99.5, 99.5
120	1.570	1.570	1.514	1.588	110-120	1.373	1548	99.6, 99.6
130	1.899	1.899	1.862	1.949	120-130	1.556	1549	99.7, 99.7
140	2.190	2.168	2.166	2.197	130-140	1.581	1551	99.8, 99.8
150	2.435	2.413	2.416	2.434	140-150	1.444	1552	99.9, 99.9
160	2.607	2.576	2.607	2.588	150-160	1.161	1553	99.9, 99.9
170	2.704	2.679	2.742	2.704	160-170	0.7522	1554	100, 100
180	2.801	2.754	2.798	2.758	170-180	0.2609	1554	100, 100

DEG.	Luminous Intensity: cd							DEG.
y	CO	C90	C180	C270	y	Zone	Total	%lum, lamp
10	501.4	405.3	478.6	399.9	0-10	42.19	42.91	3, 3
20	491.5	390.3	446.3	380.1	10-20	123.8	166.7	11.7, 11.7
30	467.1	363.4	400.6	348.6	20-30	190.3	357.0	25, 25
40	428.3	324.8	342.1	306.0	30-40	234.2	591.1	41.4, 41.4
50	375.6	274.3	270.6	252.2	40-50	249.3	840.4	58.8, 58.8
60	309.1	212.5	187.7	188.0	50-60	232.3	1073	75.1, 75.1
70	229.9	141.3	97.79	116.6	60-70	183.9	1257	87.9, 87.9
80	140.5	66.81	22.63	46.28	70-80	112.6	1369	95.8, 95.8
90	53.26	9.074	1.705	2.445	80-90	43.36	1413	98.9, 98.9
100	3.641	0.8119	1.185	0.9053	90-100	7.753	1420	99.4, 99.4
110	0.9902	1.075	1.492	1.178	100-110	1.217	1422	99.5, 99.5
120	1.197	1.329	1.840	1.419	110-120	1.294	1423	99.6, 99.6
130	1.554	1.573	2.137	1.645	120-130	1.425	1424	99.7, 99.7
140	1.889	1.789	2.388	1.849	130-140	1.433	1426	99.8, 99.8
150	2.200	2.012	2.595	1.987	140-150	1.311	1427	99.9, 99.9
160	2.460	2.162	2.745	2.103	150-160	1.058	1428	99.9, 99.9
170	2.657	2.256	2.795	2.159	160-170	0.6859	1429	100, 100
180	2.789	2.347	2.798	2.203	170-180	0.2376	1429	100, 100

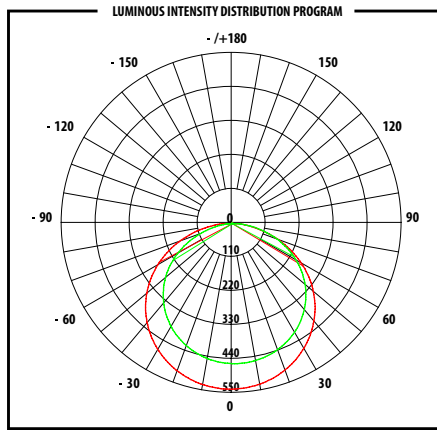


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PRO-LINE 2835 85W LED STRIP LIGHT PHOTOMETRICS

Daylight White (4000K)

SKU: SA-LS-PRO-DLW-2835-840-24V

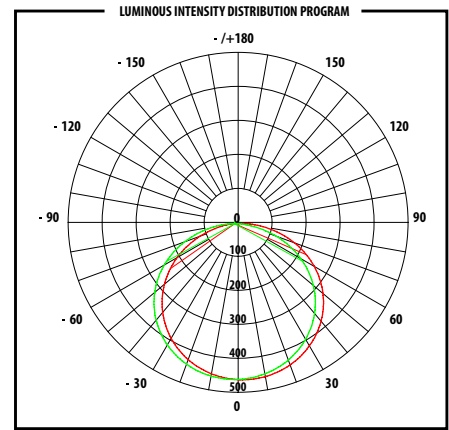


AVERAGE BEAM ANGLE (50%): 120.5 DEG

UNIT: cd
 — C0 / 180, 121.1
 — C90 / 270, 119.9

Natural White (5000K)

SKU: SA-LS-PRO-NW-2835-840-24V

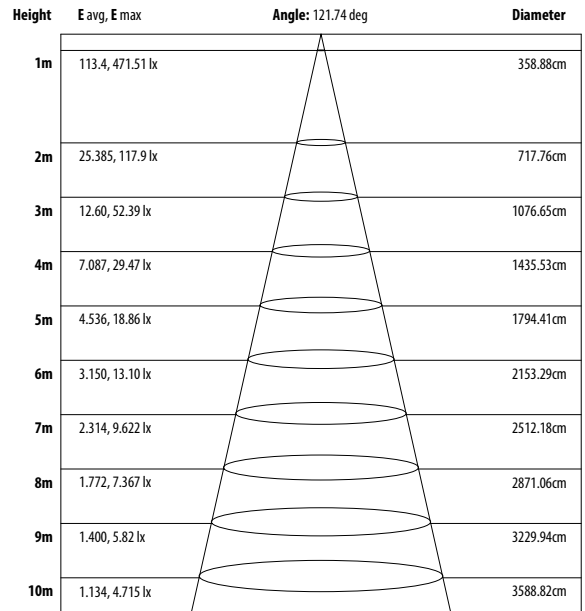
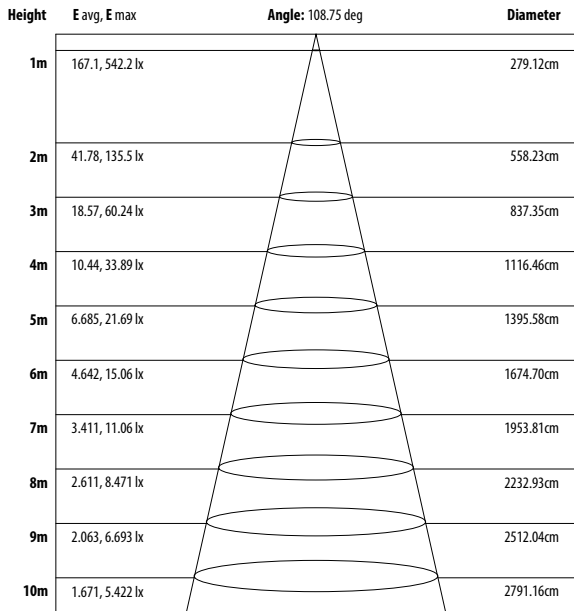


AVERAGE BEAM ANGLE (50%): 122.0 DEG

UNIT: cd
 — C0 / 180, 121.8
 — C90 / 270, 122.2

DEG.	Luminous Intensity: cd						DEG.	
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	532.9	454.7	536.6	450.4	0-10	47.44	47.44	2.99, 2.99
20	509.2	438.2	516.6	429.4	10-20	137.1	184.5	11.6, 11.6
30	470.2	409.2	481.9	395.5	20-30	211.2	395.8	24.9, 24.9
40	416.2	367.3	432.4	348.9	30-40	260.9	656.7	41.4, 41.4
50	346.8	311.4	368.2	289.1	40-50	279.0	935.7	59, 59
60	262.7	242.5	288.9	215.8	50-60	261.1	1197	75.4, 75.4
70	166.6	162.1	196.9	132.0	60-70	207.0	1404	88.4, 88.4
80	71.54	75.70	99.28	50.65	70-80	125.3	1529	96.3, 96.3
90	13.32	10.61	25.72	3.858	80-90	43.15	1572	99.1, 99.1
100	1.248	0.9339	1.889	0.9805	90-100	5.316	1577	99.4, 99.4
110	1.341	1.251	1.379	1.272	100-110	1.281	1579	99.5, 99.5
120	1.745	1.558	1.652	1.544	110-120	1.445	1580	99.6, 99.6
130	2.093	1.843	2.012	1.792	120-130	1.594	1582	99.7, 99.7
140	2.366	2.090	2.341	2.009	130-140	1.602	1583	99.8, 99.8
150	2.654	2.332	2.623	2.203	140-150	1.462	1585	99.9, 99.9
160	2.855	2.494	2.858	2.344	150-160	1.179	1586	99.9, 99.9
170	2.952	2.604	2.999	2.407	160-170	0.7631	1587	100, 100
180	3.052	2.711	3.046	2.447	170-180	0.2641	1587	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

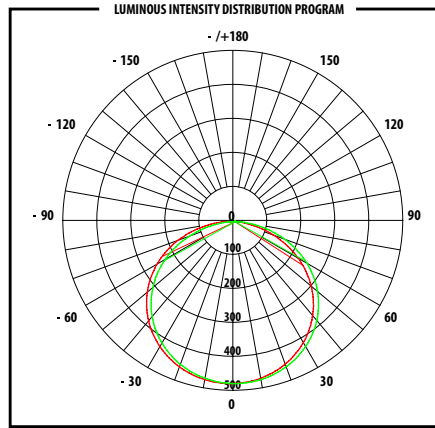


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PRO-LINE 2835 85W LED STRIP LIGHT PHOTOMETRICS

White (6000K)

SKU: SA-LS-PRO-W-2835-840-24V



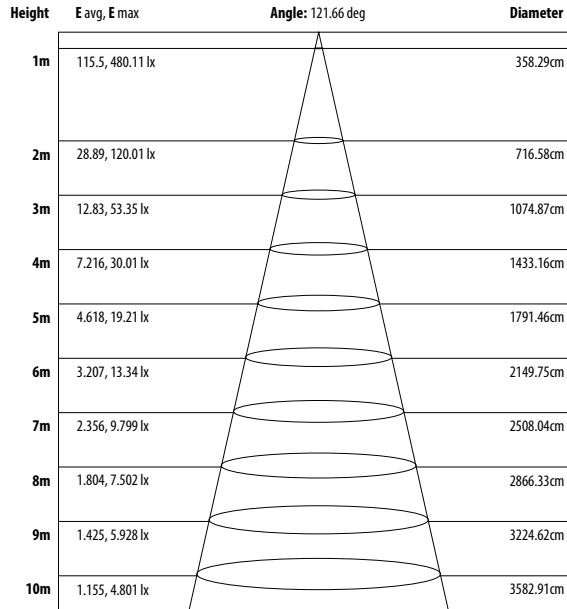
AVERAGE BEAM ANGLE (50%): 121.8 DEG

UNIT: cd

— C0 / 180, 121.7

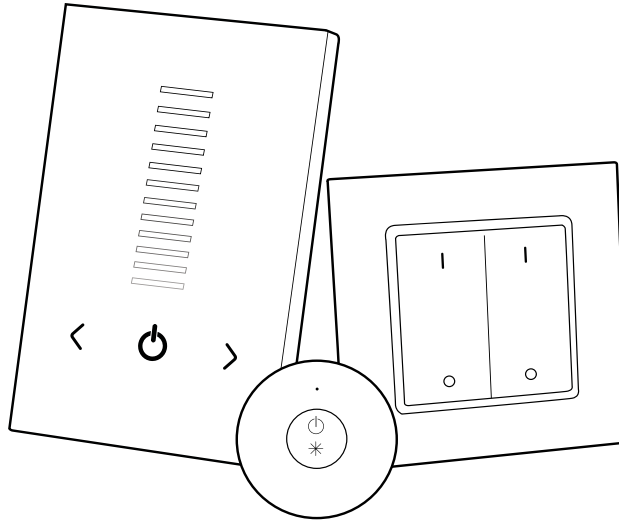
— C90 / 270, 121.9

DEG.		Luminous Intensity: cd					DEG.		
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp	
10	469.7	474.0	477.8	474.3	0-10	45.53	45.53	2.96, 2.96	
20	446.4	455.2	463.4	455.9	10-20	131.7	177.2	11.5, 11.5	
30	409.6	423.6	436.3	424.6	20-30	203.4	380.7	24.8, 24.8	
40	358.9	378.6	395.8	380.1	30-40	252.0	632.7	41.1, 41.1	
50	294.8	319.1	342.2	321.5	40-50	270.4	903.1	58.7, 58.7	
60	216.5	246.0	274.7	249.4	50-60	254.2	1157	75.3, 75.3	
70	127.9	160.7	195.2	164.6	60-70	203.1	1360	88.5, 88.5	
80	42.67	68.47	106.6	74.54	70-80	123.6	1484	96.5, 96.5	
90	4.248	4.054	28.40	7.691	80-90	40.95	1525	99.2, 99.2	
100	1.181	0.8589	1.353	0.8398	90-100	3.829	1529	99.4, 99.4	
110	1.401	1.197	1.031	1.203	100-110	1.149	1530	99.5, 99.5	
120	1.695	1.558	1.376	1.554	110-120	1.364	1531	99.6, 99.6	
130	2.002	1.877	1.721	1.892	120-130	1.532	1533	99.7, 99.7	
140	2.197	2.137	2.034	2.140	130-140	1.548	1534	99.8, 99.8	
150	2.444	2.372	2.285	2.350	140-150	1.409	1536	99.9, 99.9	
160	2.548	2.523	2.510	2.504	150-160	1.131	1537	99.9, 99.9	
170	2.654	2.617	2.654	2.595	160-170	0.7315	1538	100, 100	
180	2.701	2.676	2.701	2.657	170-180	0.2530	1538	100, 100	

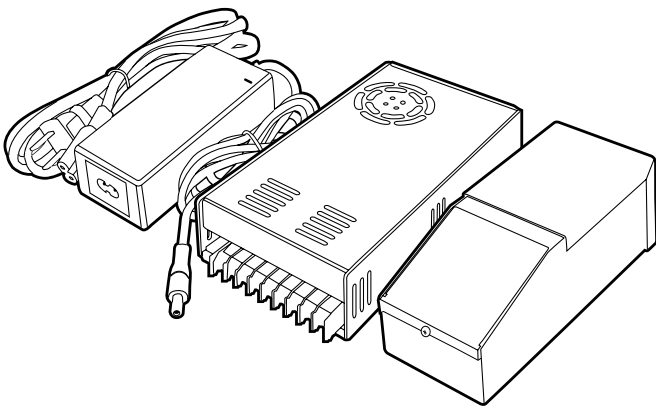


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

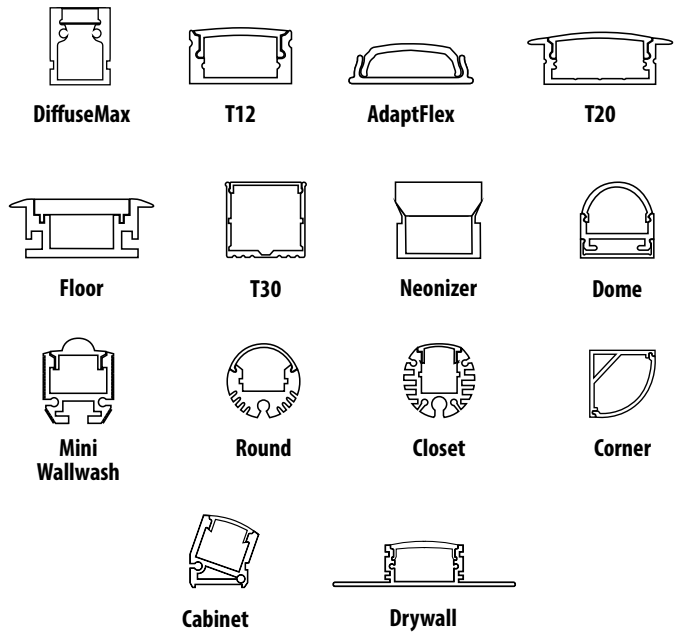
Dimmers



Power Supplies

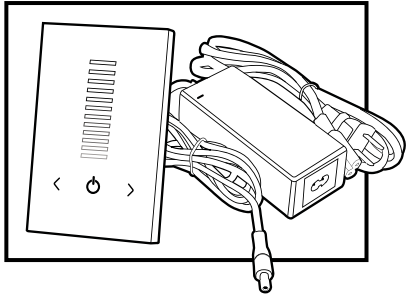


LED Strip Channels

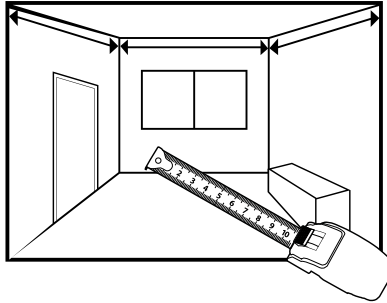


PRO-LINE 2835 85W LED STRIP LIGHT INSTALLATION GUIDE

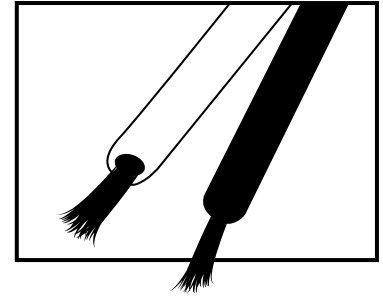
1. Determine where to install the Driver and optional Dimmer.



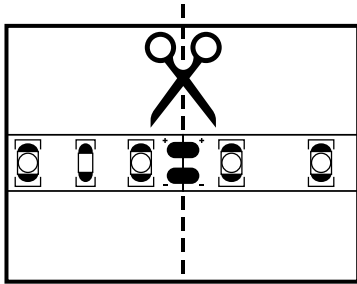
2. Determine the measurement of area where LED Strip Lights will be placed.



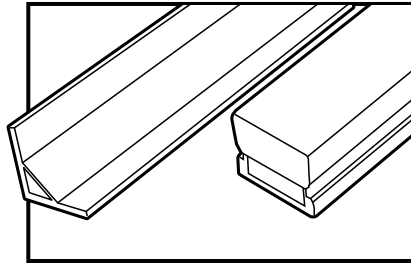
3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).



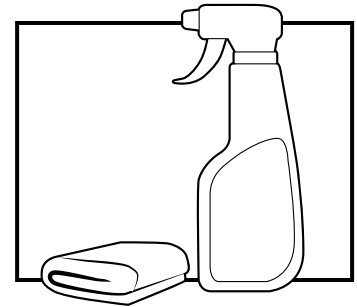
4. Cut LED Strip Lights (at cutting points) to fit or Join multiple Strips as recommended to cover installation area.



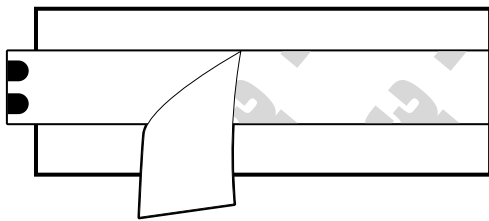
5. If using Channels, cut or extend them to fit size of the installation area



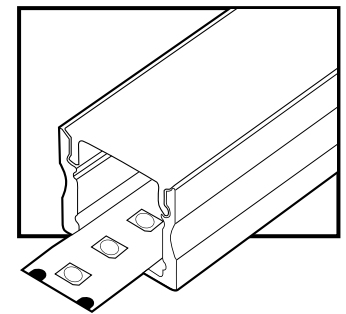
6. Thoroughly clean the surface where the LED Strip will be mounted.



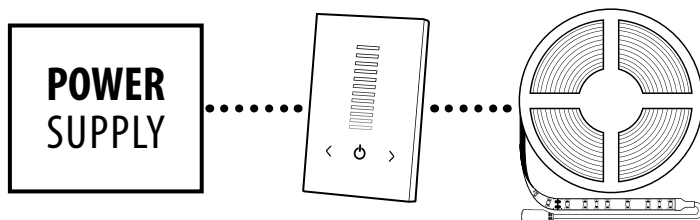
7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.



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.

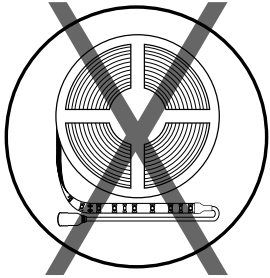


9. Power up and enjoy!

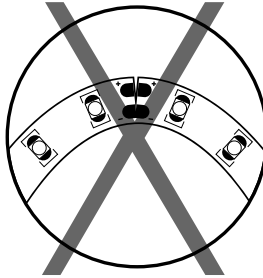
Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

PRO-LINE 2835 85W LED STRIP LIGHT WARNINGS

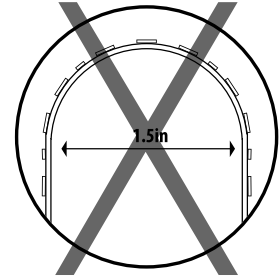
Do not power LED Strip still coiled in spool.



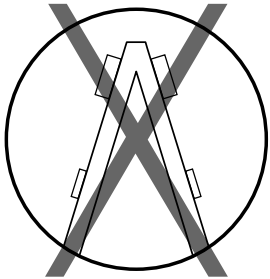
Do not bend LED Strip sideways.



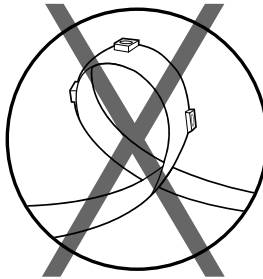
Do not bend LED strips to a diameter less than 1.5 inches.



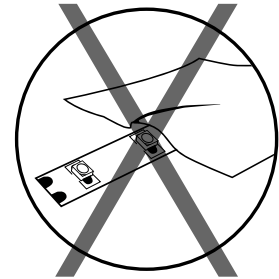
Do not fold or crease LED Strip.



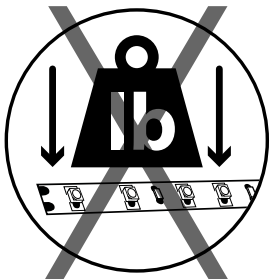
Do not twist LED Strip.



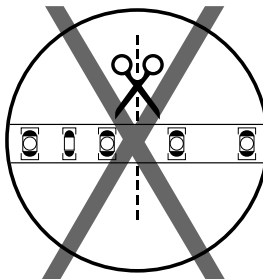
Do not cover LED Strip with anything other than LED Channel Diffusers.



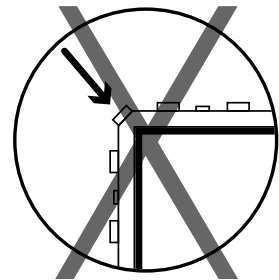
Do not put direct excessive pressure on the LED surface.



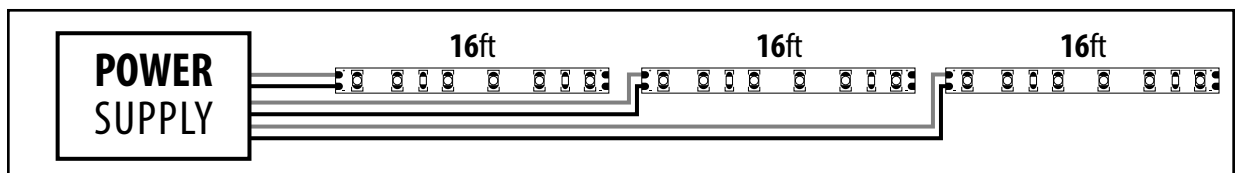
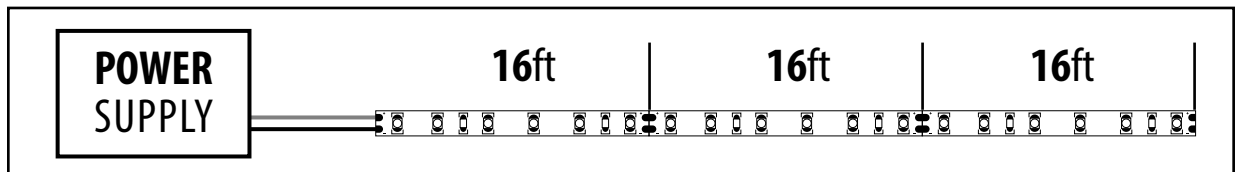
Do not cut LED Strips except at designated cutting points.



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 85W 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 85W 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.