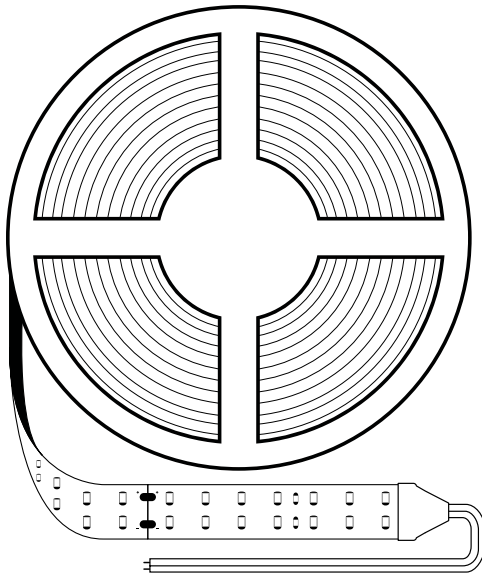


# PRO-LINE 2835 100W LED STRIP LIGHT



## Product Description

With 980 units of 2835 Surface Mounted LEDs, Solid Apollo's PRO-Line 100W LED Strip Light produces light that is incredibly bright and pure. Thanks to its 92+ Color Rendering Index, this strip brings out the authentic colors of objects in a much better way than regular LED strip lights.

This strip is an excellent choice for high-end display lighting, entertainment lighting, or accent lighting applications in retail and hospitality environments. It is available in a variety of white color temperatures and has many advantages that include:

- ETL Listed for Safety and Durability.
- Super High Color Rendering Index of 92+.
- 5.5 inch lead wires for easy connection.
- Small 2.18" 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).

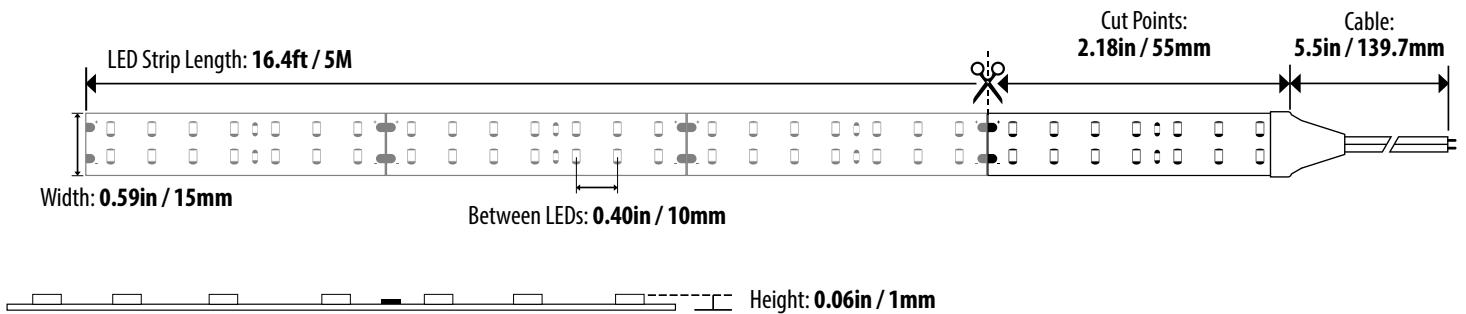
**980 LEDs**  
**16.4ft**

**UP TO 620+  
LUMENS / FT**

## Quick Spec.

- **Fully Dimmable:** Yes
- **Voltage:** 24V DC
- **Total Wattage:** 100W
- **Beam Angle:** 120°
- **Certification:** ETL, CE, RoHS
- **PCB Width:** 15mm / 0.59in
- **Dimensions:** 196.8in x 0.59in x 0.06in
- **Working Temperature:** -40° to 122°F

## 2835 100W LED Strip Illustration



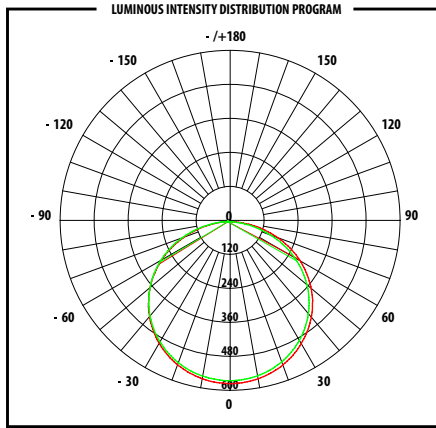
## Technical Information

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-2835-980-24V	2700K	980	530	100W	SMD 2835	92+	2.18in / 55mm
Warm White	SA-LS-PRO-WW-2835-980-24V	3100K	980	549	100W	SMD 2835	92+	2.18in / 55mm
Daylight White	SA-LS-PRO-DLW-2835-980-24V	4000K	980	579	100W	SMD 2835	92+	2.18in / 55mm
Natural White	SA-LS-PRO-NW-2835-980-24V	5000K	980	602	100W	SMD 2835	92+	2.18in / 55mm
White	SA-LS-PRO-W-2835-980-24V	6000K	980	625	100W	SMD 2835	92+	2.18in / 55mm

# PRO-LINE 2835 100W LED STRIP LIGHT PHOTOMETRICS

## Super Warm White (2700K)

SKU: SA-LS-PRO-SWW-2835-980-24V



AVERAGE BEAM ANGLE (50%): 120.0 DEG

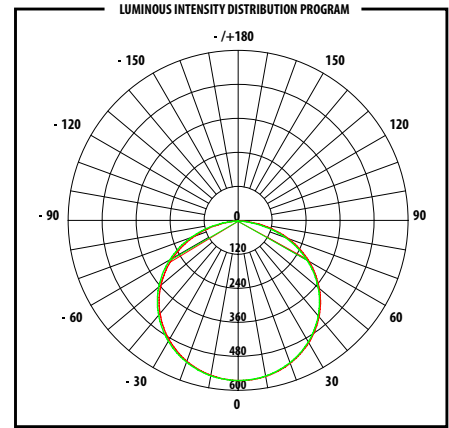
UNIT: cd

— C0 / 180, 120.4

— C90 / 270, 119.6

## Warm White (3100K)

SKU: SA-LS-PRO-WW-2835-980-24V



AVERAGE BEAM ANGLE (50%): 120.4 DEG

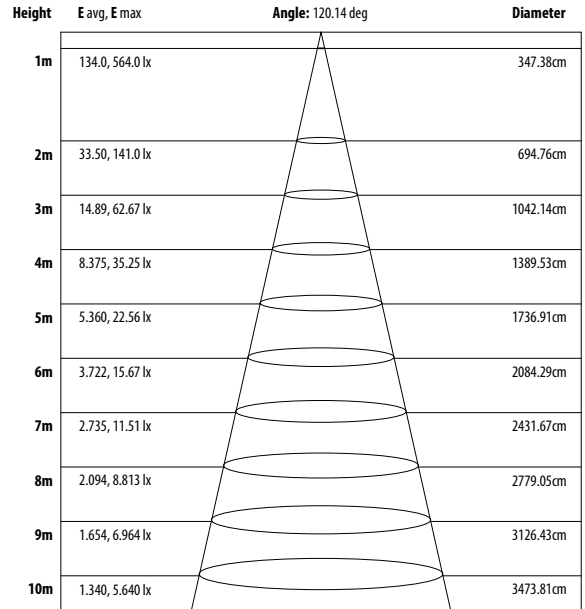
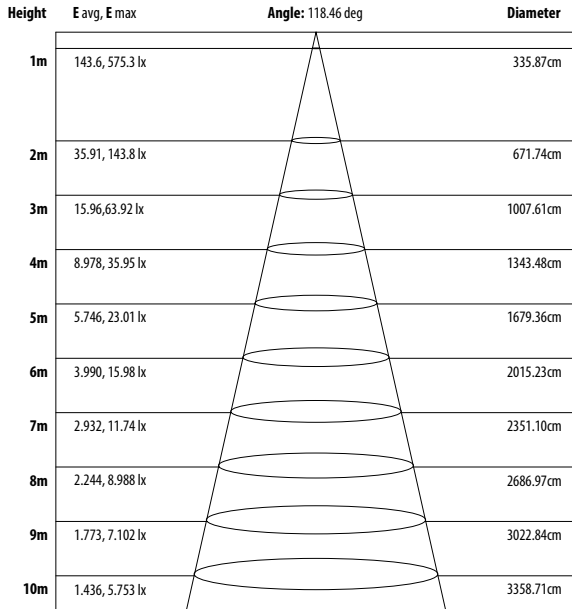
UNIT: cd

— C0 / 180, 120.1

— C90 / 270, 120.6

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	570.3	559.2	564.1	555.0	0-10	54.03	54.03	3.02, 3.02
20	548.6	537.0	536.9	529.4	10-20	155.9	210.0	11.8, 11.8
30	510.8	497.9	494.0	488.1	20-30	239.7	449.7	25.2, 25.2
40	458.2	442.5	434.4	431.9	30-40	295.1	744.8	41.7, 41.7
50	389.4	371.5	360.1	360.9	40-50	314.7	1060	59.3, 59.3
60	306.4	285.7	271.1	275.7	50-60	294.3	1354	75.8, 75.8
70	209.9	186.9	171.3	178.5	60-70	234.4	1588	88.9, 88.9
80	104.8	82.68	68.10	77.85	70-80	142.0	1730	96.8, 96.8
90	16.55	5.710	3.122	5.561	80-90	43.98	1774	99.3, 99.3
100	0.9834	0.9997	1.178	1.009	90-100	2.034	1776	99.4, 99.4
110	1.244	1.426	1.464	1.388	100-110	1.287	1778	99.5, 99.5
120	1.638	1.843	1.852	1.789	110-120	1.561	1779	99.6, 99.6
130	2.049	2.219	2.241	2.149	120-130	1.772	1781	99.7, 99.7
140	2.384	2.529	2.579	2.444	130-140	1.804	1783	99.8, 99.8
150	2.751	2.820	2.864	2.692	140-150	1.652	1784	99.9, 99.9
160	2.952	3.008	3.080	2.879	150-160	1.333	1786	99.9, 99.9
170	3.102	3.121	3.206	2.996	160-170	0.8639	1786	100, 100
180	3.240	3.199	3.249	3.046	170-180	0.2989	1787	100, 100

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	558.2	556.9	554.1	555.6	0-10	53.46	53.46	3.01, 3.01
20	536.3	534.0	528.2	531.6	10-20	154.3	207.8	11.7, 11.7
30	498.6	495.5	486.6	492.2	20-30	237.5	445.2	25.1, 25.1
40	445.4	441.3	429.7	437.5	30-40	292.7	738.0	41.6, 41.6
50	376.9	371.5	357.9	367.7	40-50	312.6	1051	59.2, 59.2
60	293.5	286.5	271.8	283.1	50-60	292.9	1343	75.7, 75.7
70	197.5	188.4	173.4	185.9	60-70	233.6	1577	88.9, 88.9
80	94.74	79.98	72.02	83.52	70-80	141.7	1719	96.9, 96.9
90	12.80	1.552	5.355	7.584	80-90	43.07	1762	99.3, 99.3
100	1.028	0.9628	1.207	1.034	90-100	1.957	1764	99.4, 99.4
110	1.244	1.367	1.470	1.435	100-110	1.292	1765	99.5, 99.5
120	1.645	1.777	1.815	1.836	110-120	1.556	1767	99.6, 99.6
130	2.055	2.156	2.203	2.222	120-130	1.763	1768	99.7, 99.7
140	2.369	2.466	2.519	2.544	130-140	1.795	1770	99.8, 99.8
150	2.691	2.758	2.786	2.807	140-150	1.637	1772	99.9, 99.9
160	2.930	2.949	3.009	2.958	150-160	1.323	1773	99.9, 99.9
170	3.074	3.071	3.149	3.080	160-170	0.8584	1774	100, 100
180	3.206	3.155	3.206	3.155	170-180	0.2982	1774	100, 100

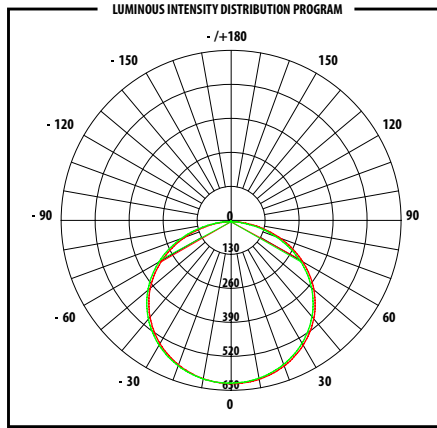


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

# PRO-LINE 2835 100W LED STRIP LIGHT PHOTOMETRICS

## Daylight White (4000K)

SKU: SA-LS-PRO-DLW-2835-980-24V



AVERAGE BEAM ANGLE (50%): 121.5 DEG

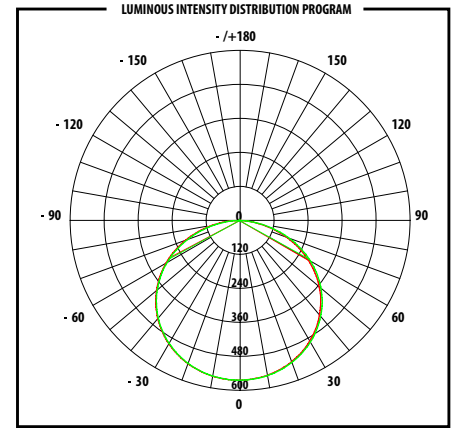
UNIT: cd

— C0 / 180, 121.5

— C90 / 270, 121.6

## Natural White (5000K)

SKU: SA-LS-PRO-NW-2835-980-24V



AVERAGE BEAM ANGLE (50%): 122.2 DEG

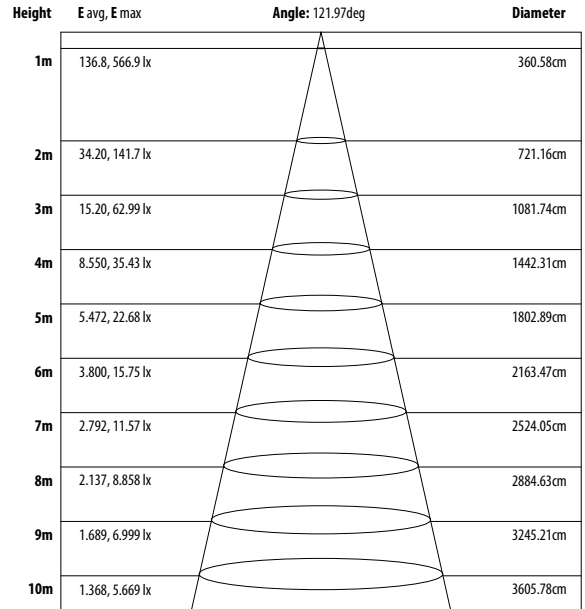
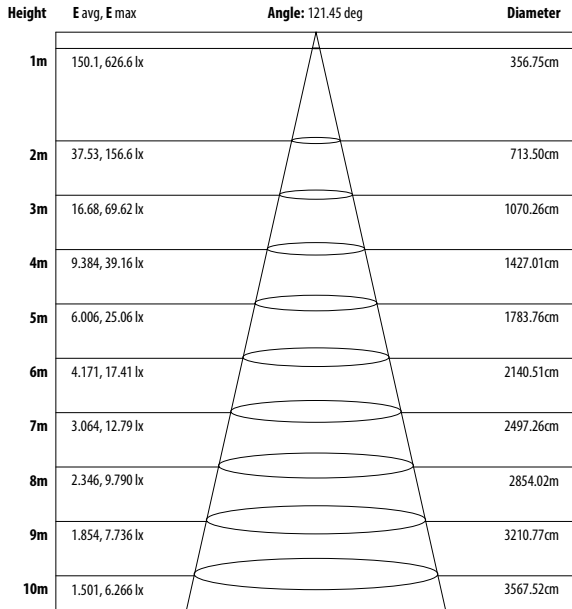
UNIT: cd

— C0 / 180, 122.0

— C90 / 270, 122.4

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	619.9	615.6	616.8	617.9	0-10	59.34	59.34	2.98, 2.98
20	596.2	589.7	590.4	594.2	10-20	171.5	230.9	11.6, 11.6
30	555.5	546.9	547.4	553.9	20-30	264.7	495.6	24.9, 24.9
40	497.1	486.8	486.4	496.1	30-40	327.6	823.2	41.3, 41.3
50	421.0	409.1	408.9	420.7	40-50	351.3	1174	58.9, 58.9
60	327.8	313.9	314.0	327.8	50-60	330.5	1505	75.5, 75.5
70	218.6	203.2	203.4	218.9	60-70	264.4	1769	88.8, 88.8
80	101.4	84.79	88.16	101.9	70-80	160.6	1930	96.8, 96.8
90	10.98	4.622	7.702	11.59	80-90	49.37	1979	99.3, 99.3
100	1.253	1.153	1.435	1.106	90-100	2.309	1982	99.4, 99.4
110	1.448	1.614	1.655	1.557	100-110	1.491	1983	99.5, 99.5
120	1.883	2.075	2.009	2.043	110-120	1.762	1985	99.6, 99.6
130	2.328	2.479	2.432	2.444	120-130	1.986	1987	99.7, 99.7
140	2.695	2.811	2.805	2.785	130-140	2.012	1989	99.8, 99.8
150	3.055	3.099	3.115	3.061	140-150	1.836	1991	99.9, 99.9
160	3.268	3.300	3.366	3.252	150-160	1.476	1992	99.9, 99.9
170	3.409	3.419	3.503	3.397	160-170	0.9559	1993	100, 100
180	3.547	3.491	3.553	3.488	170-180	0.3305	1993	100, 100

DEG.	Luminous Intensity: cd							DEG.
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp
10	558.6	559.8	560.6	560.2	0-10	53.77	53.77	2.95, 2.95
20	535.3	538.0	540.0	538.9	10-20	155.6	209.4	11.5, 11.5
30	496.7	500.9	504.0	502.3	20-30	240.5	450.0	24.7, 24.7
40	441.9	448.0	452.6	450.1	30-40	298.3	748.2	41.41
50	370.8	378.8	385.2	381.7	40-50	320.6	1069	58.6, 58.6
60	283.4	292.8	301.7	296.9	50-60	302.2	1371	75.2, 75.2
70	182.4	192.0	203.9	197.0	60-70	242.4	1613	88.5, 88.5
80	78.25	81.93	99.06	89.98	70-80	148.1	1762	96.6, 96.6
90	10.51	1.491	19.00	9.354	80-90	47.18	1809	99.2, 99.2
100	1.159	1.019	1.279	1.040	90-100	3.268	1812	99.4, 99.4
110	1.381	1.438	1.470	1.444	100-110	1.355	1813	99.5, 99.5
120	1.792	1.852	1.771	1.861	110-120	1.610	1815	99.6, 99.6
130	2.168	2.237	2.162	2.250	120-130	1.807	1817	99.7, 99.7
140	2.491	2.542	2.501	2.554	130-140	1.832	1819	99.8, 99.8
150	2.792	2.820	2.783	2.801	140-150	1.666	1820	99.9, 99.9
160	3.002	3.008	3.018	2.980	150-160	1.341	1822	99.9, 99.9
170	3.115	3.109	3.168	3.180	160-170	0.8685	1823	100, 100
180	3.215	3.181	3.221	3.187	170-180	0.3008	1823	100, 100

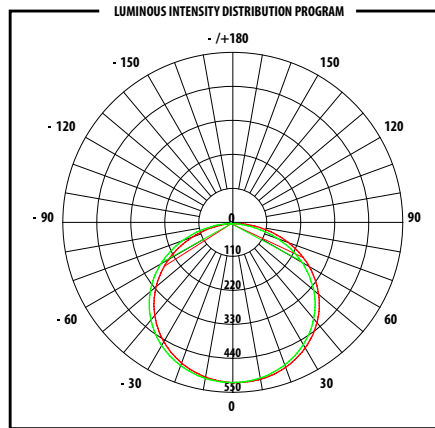


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

# PRO-LINE 2835 100W LED STRIP LIGHT PHOTOMETRICS

White (6000K)

SKU: SA-LS-PRO-W-2835-980-24V



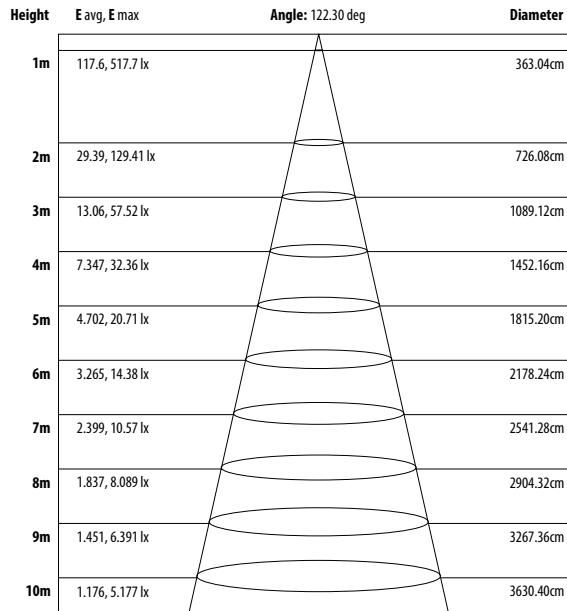
AVERAGE BEAM ANGLE (50%): 122.5 DEG

UNIT: cd

— C0 / 180, 122.3

— C90 / 270, 122.7

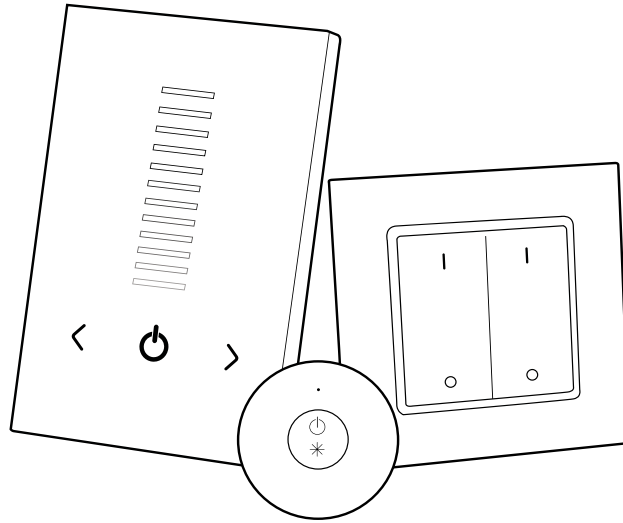
DEG.		Luminous Intensity: cd					DEG.		
y	C0	C90	C180	C270	y	Zone	Total	%lum, lamp	
10	516.7	512.8	505.9	510.5	0-10	49.12	49.12	2.94, 2.94	
20	502.6	494.6	480.9	490.0	10-20	142.2	191.4	11.5, 11.5	
30	474.5	462.5	441.9	456.0	20-30	220.1	411.5	24.7, 24.7	
40	431.8	415.9	388.1	407.8	30-40	273.3	684.7	41, 41	
50	374.0	353.9	319.5	344.6	40-50	294.1	978.9	58.7, 58.7	
60	300.6	274.5	236.7	266.3	50-60	277.4	1256	75.3, 75.3	
70	212.6	180.6	141.9	174.3	60-70	222.3	1479	88.6, 88.6	
80	114.2	76.98	47.77	76.84	70-80	135.1	1614	96.7, 96.7	
90	25.22	0.8899	1.340	6.569	80-90	41.94	1656	99.2, 99.2	
100	1.006	0.8997	1.342	0.9897	90-100	2.679	1658	99.4, 99.4	
110	1.109	1.279	1.482	1.347	100-110	1.263	1660	99.5, 99.5	
120	1.441	1.649	1.821	1.730	110-120	1.466	1661	99.6, 99.6	
130	1.848	2.006	2.166	2.086	120-130	1.656	1663	99.7, 99.7	
140	2.137	2.313	2.451	2.356	130-140	1.678	1664	99.8, 99.8	
150	2.447	2.570	2.667	2.598	140-150	1.532	1666	99.9, 99.9	
160	2.682	2.736	2.842	2.745	150-160	1.233	1667	99.9, 99.9	
170	2.826	2.845	2.939	2.845	160-170	0.7978	1668	100, 100	
180	2.958	2.911	2.955	2.908	170-180	0.2761	1668	100, 100	



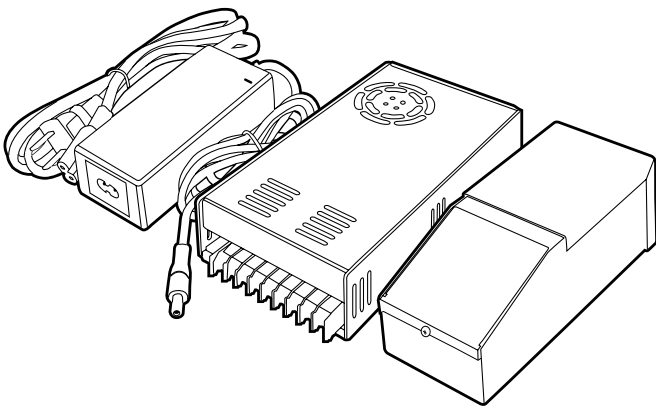
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

# PRO-LINE 2835 100W LED STRIP LIGHT ACCESSORIES

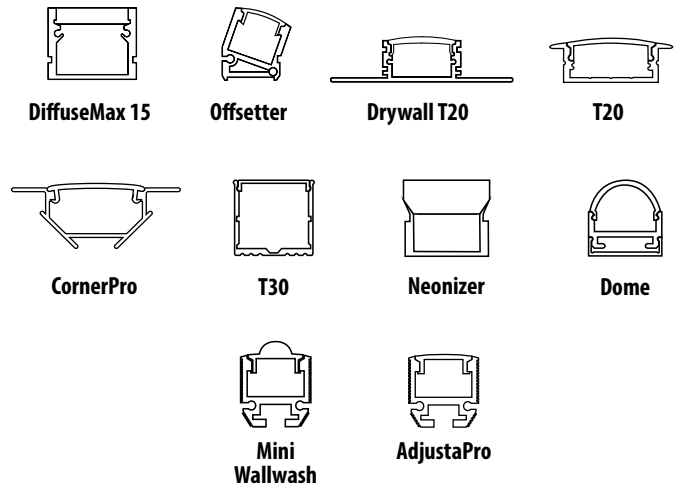
## Dimmers



## Power Supplies

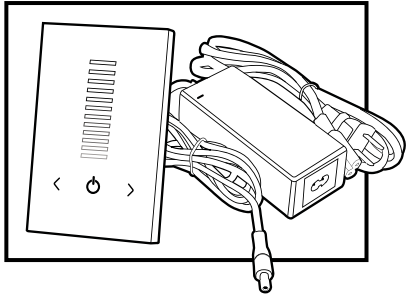


## LED Strip Channels

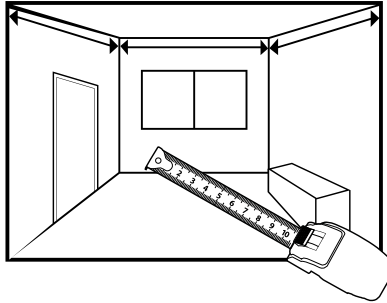


# PRO-LINE 2835 100W LED STRIP LIGHT INSTALLATION GUIDE

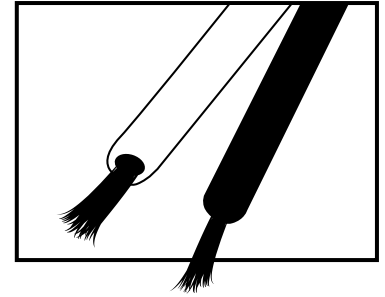
1. Determine where to install the Driver and optional Dimmer.



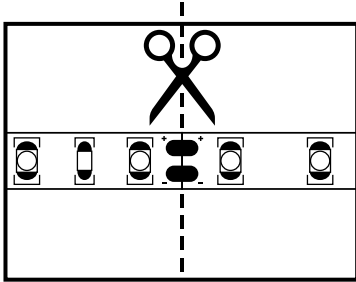
2. Determine the measurement of area where LED Strip Lights will be placed.



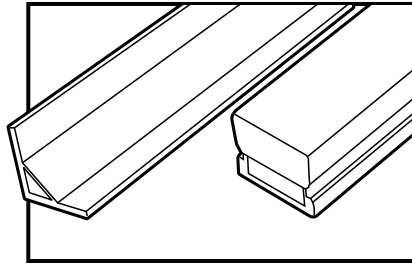
3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).



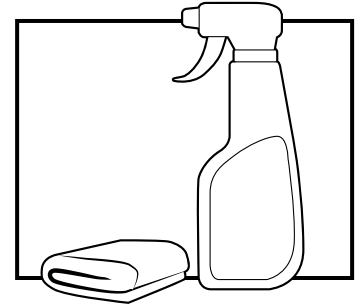
4. Cut LED Strip Lights (at cutting points) to fit or Join multiple Strips as recommended to cover installation area.



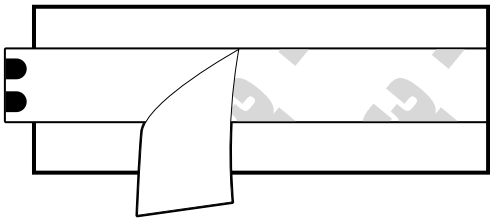
5. If using Channels, cut or extend them to fit size of the installation area



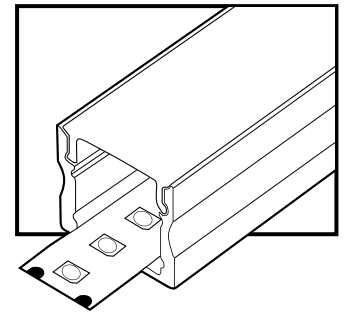
6. Thoroughly clean the surface where the LED Strip will be mounted.



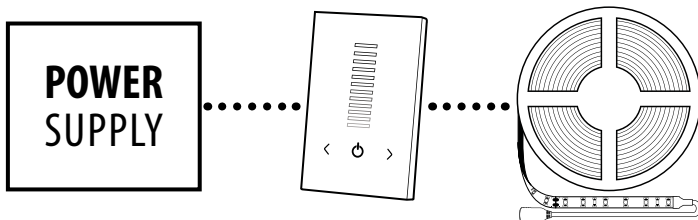
7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.



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.

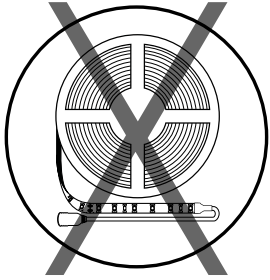


9. Power up and enjoy!

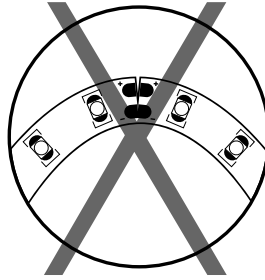
**Note:** If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

# PRO-LINE 2835 100W LED STRIP LIGHT WARNINGS

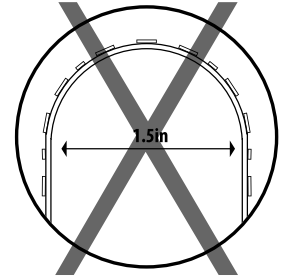
**Do not** power LED Strip still coiled in spool.



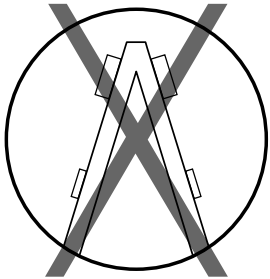
**Do not** bend LED Strip sideways.



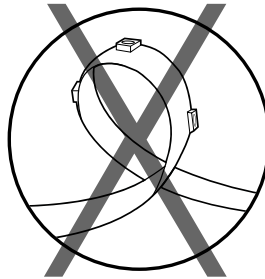
**Do not** bend LED strips to a diameter less than 1.5 inches.



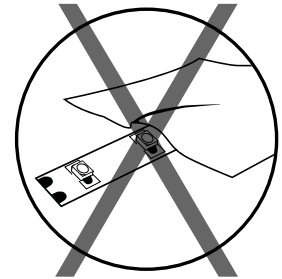
**Do not** fold or crease LED Strip.



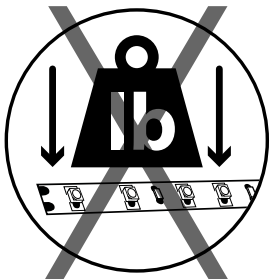
**Do not** twist LED Strip.



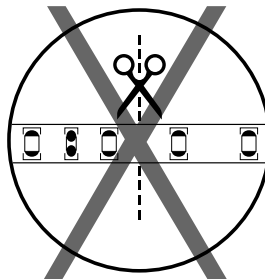
**Do not** cover LED Strip with anything other than LED Channel Diffusers.



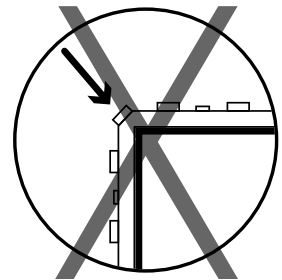
**Do not** put direct excessive pressure on the LED surface.



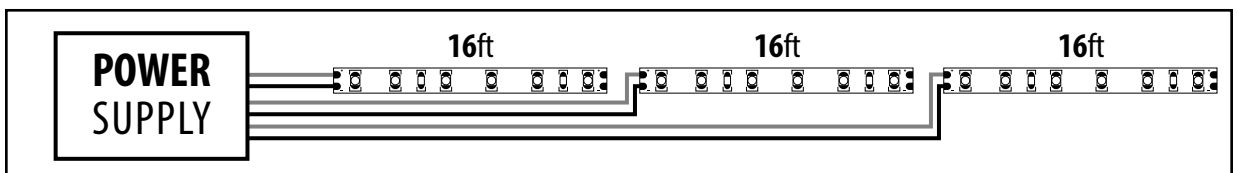
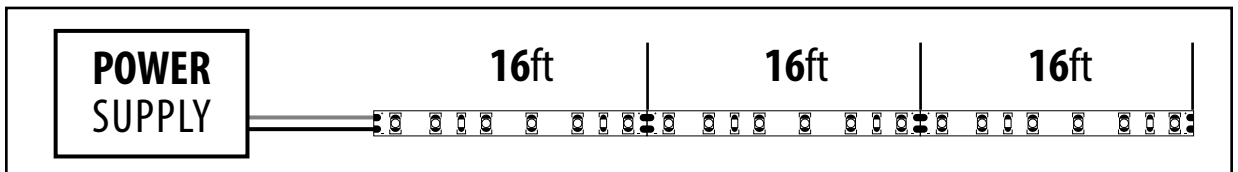
**Do not** cut LED Strips except at designated cutting points.



**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.



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# PRO-LINE **2835** 100W 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** 100W 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](http://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.