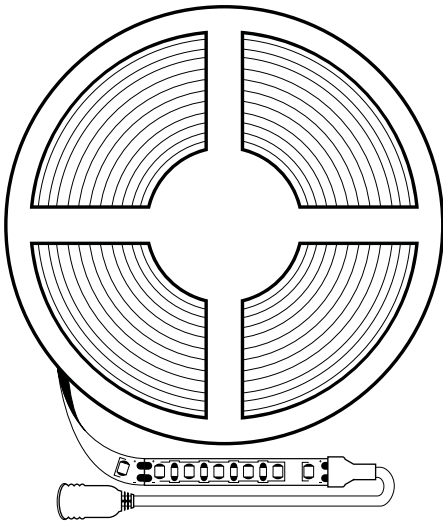


2835 ULTRA HIGH CRI 72W LED STRIP LIGHT



Product Description

For any application where the appearance of displayed objects is tremendously important, there is no equivalent of Solid Apollo's ULTRA High CRI 2835 72W. This strip has an incredibly high Color Rendering Index up to 97+, and is able to bring out the original authentic colors of objects much better than regular LED strip lights. Even hard to render colors like vivid reds and deep blues are highly rated from 87 to 97 where other LED strips lack. The main features of the strip include:

- UL Listed for Safety and Durability.
- High Color Rendering Index up to 97+.
- Includes female barrel connector for easy setup.
- Clearly marked cut points every 1.3".
- 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).

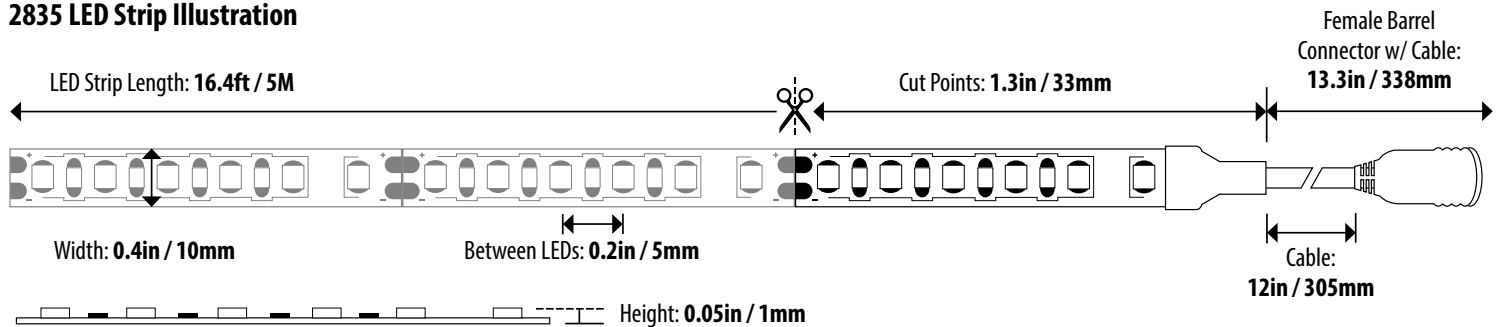
Quick Spec.

- | | |
|--------------------------------|---|
| • Fully Dimmable: Yes | • UL Rating #: E493881 |
| • Voltage: 24V DC | • PCB Width: 10mm / 0.4" |
| • Total Wattage: 72W | • Dimensions: 196.8" x 0.4" x 0.05" |
| • Beam Angle: 118°-119° | • Working Temperature: -40° to 122°F |

900 LEDs
16.4ft

UP TO 440+ LUMENS / FT

2835 LED Strip Illustration



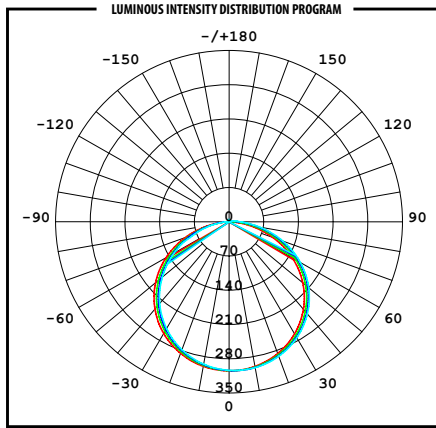
Technical Information

Available LED Color	SKU#	Temp (K)	Total LEDs	Lumens / Ft.	Max Wattage	LED Type	Color Rendering Index	Minimum Cut
Candlelight Warm White	SA-LS-ULTRA-CLWW-2835-900-24V	2400K	900	340	72W	SMD 2835	95+	1.3in / 33mm
Super Warm White	SA-LS-ULTRA-SWW-2835-900-24V	2700K	900	364	72W	SMD 2835	96+	1.3in / 33mm
Warm White	SA-LS-ULTRA-WW-2835-900-24V	3000K	900	370	72W	SMD 2835	97+	1.3in / 33mm
Neutral Warm White	SA-LS-ULTRA-NWW-2835-900-24V	3500K	900	402	72W	SMD 2835	97+	1.3in / 33mm
Daylight White	SA-LS-ULTRA-DLW-2835-900-24V	4000K	900	411	72W	SMD 2835	96+	1.3in / 33mm
Natural White	SA-LS-ULTRA-NW-2835-900-24V	5000K	900	419	72W	SMD 2835	96+	1.3in / 33mm
White	SA-LS-ULTRA-W-2835-900-24V	6000K	900	447	72W	SMD 2835	96+	1.3in / 33mm

2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

Candlelight Warm White (2400K)

SKU: SA-LS-ULTRA-CLWW-2835-900-24V

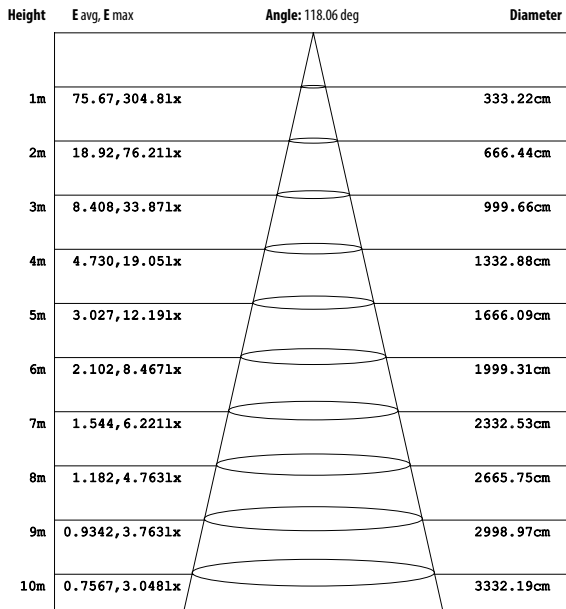


AVERAGE BEAM ANGLE (50%): **118.1 DEG**

UNIT: cd

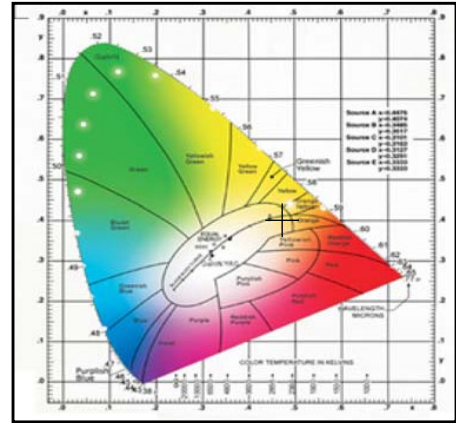
- C0 / 180, 118.1
- C60 / 240, 118.2
- C30 / 210, 118.2
- C90 / 270, 118.1

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	300.4	302.3	302.9	302.1	300.3	297.3	295.7	297.0	0-10
20	287.0	291.2	292.8	290.9	286.5	281.4	278.5	280.9	10-20
30	264.6	271.1	273.8	270.9	264.1	256.5	252.6	255.9	20-30
40	233.8	242.5	246.1	242.2	233.1	223.4	218.3	222.5	30-40
50	194.7	205.6	210.2	205.4	194.0	182.3	176.3	181.1	40-50
60	148.0	161.1	166.5	160.9	147.5	134.5	128.8	133.1	50-60
70	95.01	109.9	116.2	109.8	94.81	83.10	75.19	81.36	60-70
80	41.20	56.91	63.88	56.88	41.31	29.76	32.42	28.66	70-80
90	3.688	17.67	24.55	18.06	3.396	4.637	5.187	4.636	80-90
100	1.305	5.512	11.17	1.027	1.052	1.249	1.282	1.158	90-100
110	1.979	2.029	3.660	1.865	1.684	1.683	1.824	1.717	100-110
120	2.669	2.695	2.652	2.571	2.284	2.258	2.358	2.234	110-120
130	3.170	3.163	3.465	3.023	2.843	2.760	2.851	2.743	120-130
140	3.409	3.532	4.000	3.426	3.377	3.416	3.278	3.211	130-140
150	3.540	3.894	4.123	3.770	3.935	3.844	3.796	3.712	140-150
160	3.794	4.156	4.123	4.041	4.378	4.197	4.420	4.238	150-160
170	4.066	4.362	4.353	4.156	4.633	4.526	4.871	4.534	160-170
180	4.624	4.723	5.002	4.657	4.633	4.690	5.011	4.616	170-180



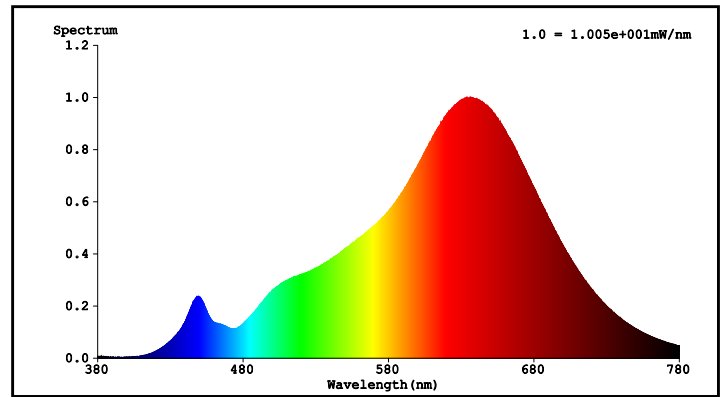
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

CIE1931 CHROMATICITY DIAGRAM

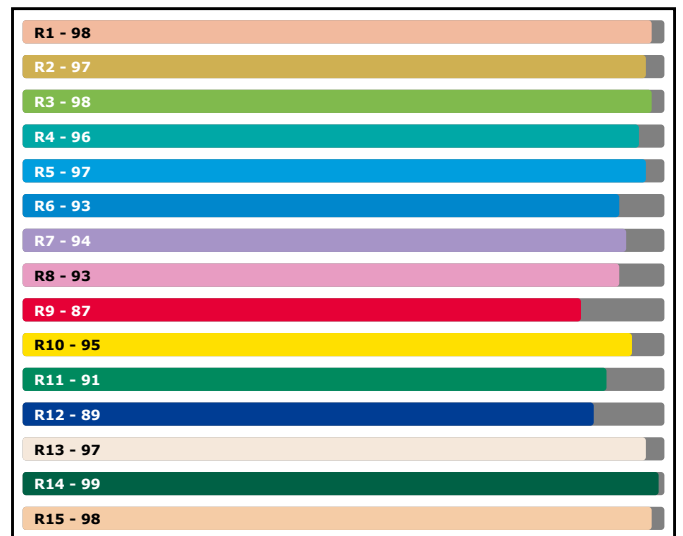


X = 0.4831 Y = 0.4043 CCT = 2359K

SPECTRAL DISTRIBUTION



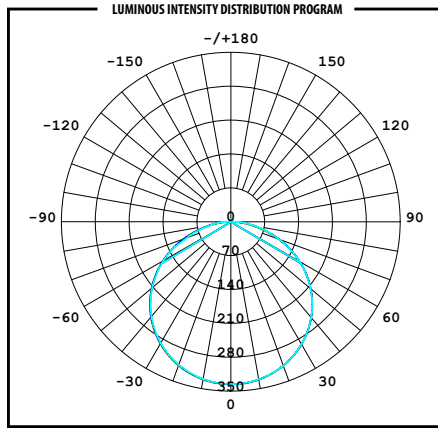
COLOR RENDERING INDEX (CRI) GRAPH



2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

Super Warm White (2700K)

SKU: SA-LS-ULTRA-SWW-2835-900-24V



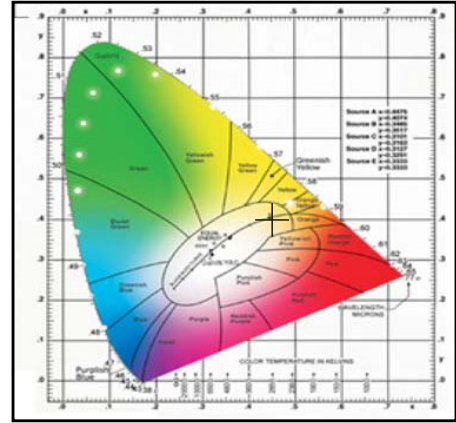
AVERAGE BEAM ANGLE (50%): **118.3 DEG**

UNIT: cd

- C0 / 180, 118.2
- C60 / 240, 118.4
- C30 / 210, 118.3
- C90 / 270, 118.2

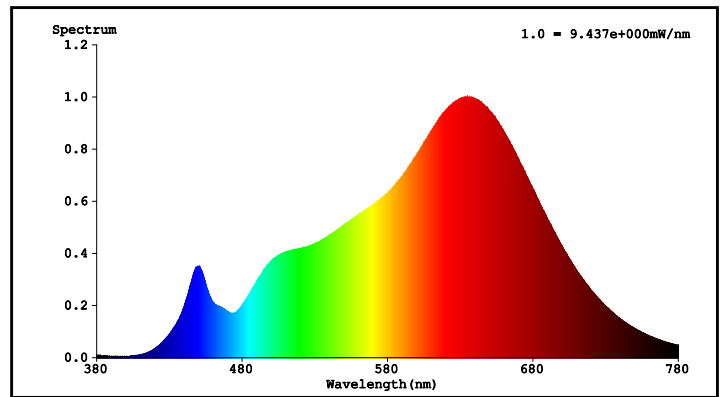
DEG.	Luminous Intensity: cd										DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	331.6	331.3	331.2	331.3	331.4	330.7	330.2	330.5	0-10		
20	316.9	316.7	316.7	316.7	316.3	315.6	314.8	315.2	10-20		
30	292.4	292.6	292.4	292.4	291.7	290.8	289.9	290.1	20-30		
40	258.5	258.8	258.6	258.5	257.5	256.7	255.5	255.9	30-40		
50	215.6	216.1	215.7	215.6	214.3	213.7	212.4	212.6	40-50		
60	164.1	164.9	164.5	164.1	162.8	162.5	161.2	161.1	50-60		
70	105.7	107.5	107.4	105.9	104.4	105.1	97.06	102.9	60-70		
80	46.41	51.48	53.18	48.08	45.39	43.78	45.97	37.82	70-80		
90	4.948	12.61	14.87	10.15	3.773	11.97	13.98	8.567	80-90		
100	1.420	1.749	2.675	1.298	1.167	2.171	3.329	1.101	90-100		
110	2.192	2.416	2.258	2.317	1.849	1.708	1.791	1.733	100-110		
120	2.940	3.212	3.276	3.105	2.514	2.348	2.399	2.373	110-120		
130	3.523	3.680	4.180	3.541	3.105	2.916	2.958	2.940	120-130		
140	3.754	4.042	4.681	3.960	3.722	3.679	3.475	3.515	130-140		
150	3.926	4.395	4.772	4.288	4.329	4.172	4.075	4.074	140-150		
160	4.180	4.658	4.723	4.551	4.814	4.575	4.814	4.714	150-160		
170	4.493	4.822	4.879	4.633	5.109	4.969	5.348	5.027	160-170		
180	5.117	5.142	5.512	5.199	5.142	5.126	5.528	5.134	170-180		

CIE1931 CHROMATICITY DIAGRAM



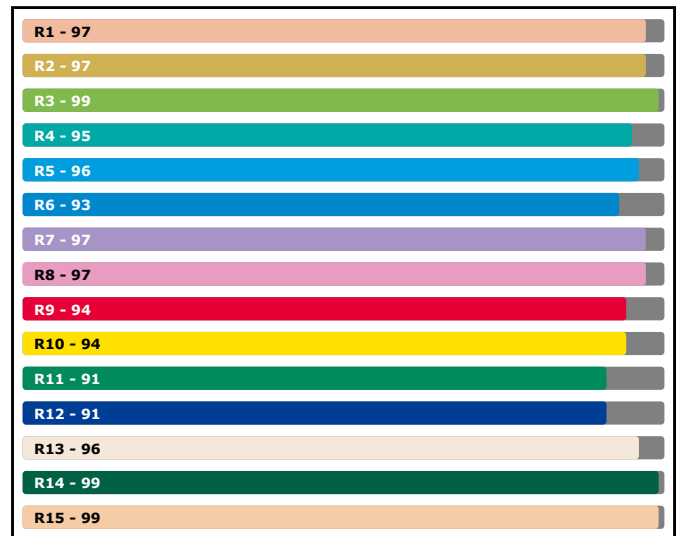
X = 0.4540 Y = 0.4022 CCT = 2717K

SPECTRAL DISTRIBUTION



Height	E avg, E max	Angle: 118.01 deg	Diameter
1m	83.71, 336.51x		332.89cm
2m	20.93, 84.111x		665.78cm
3m	9.301, 37.381x		998.67cm
4m	5.232, 21.031x		1331.56cm
5m	3.349, 13.461x		1664.45cm
6m	2.325, 9.3461x		1997.34cm
7m	1.708, 6.8661x		2330.23cm
8m	1.308, 5.2571x		2663.12cm
9m	1.033, 4.1541x		2996.01cm
10m	0.8371, 3.3651x		3328.90cm

COLOR RENDERING INDEX (CRI) GRAPH

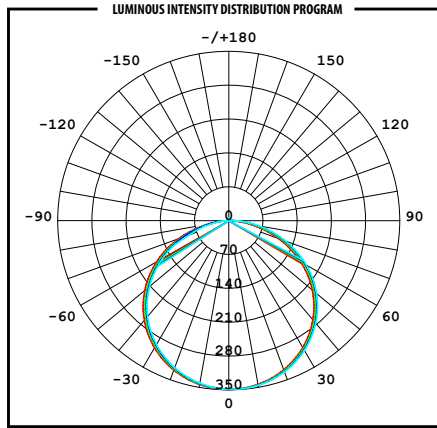


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

Warm White (3000K) & Neutral Warm White (3500K)

SKU: SA-LS-ULTRA-WW-2835-900-24V & SA-LS-ULTRA-NWW-2835-900-24V

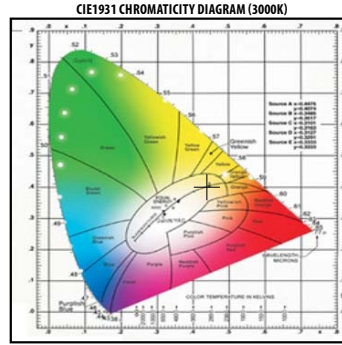


AVERAGE BEAM ANGLE (50%): 118.6 DEG

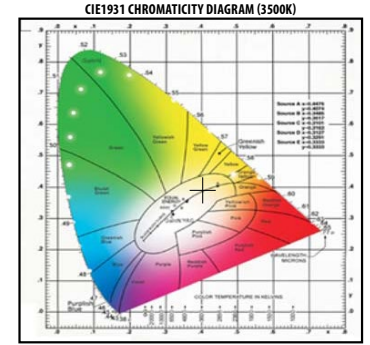
UNIT: cd

- CO / 180, 118.6
- C45 / 210, 118.6
- C90 / 240, 118.7
- C135 / 270, 118.6

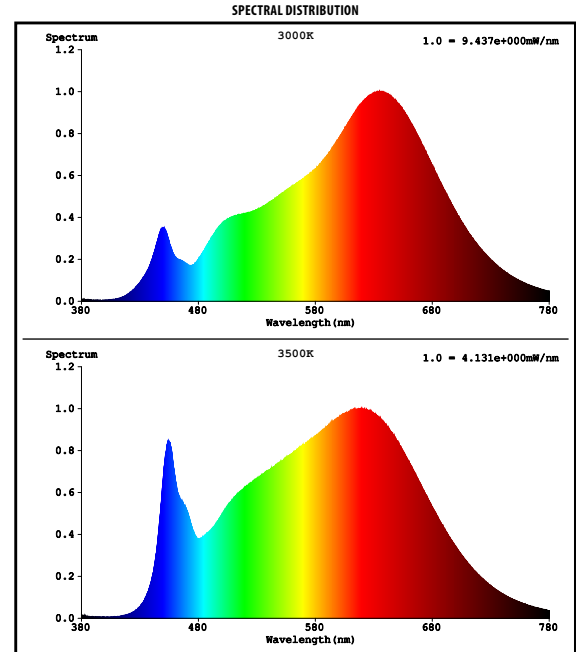
DEG.	Luminous Intensity: cd											DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g			
10	343.9	345.5	346.0	346.1	344.3	342.5	341.5	342.3	0-10			
20	328.6	331.7	332.9	332.6	329.2	325.7	324.0	325.2	10-20			
30	303.2	308.1	309.8	309.2	304.1	298.8	296.3	297.9	20-30			
40	268.1	274.7	277.1	275.9	269.1	262.1	258.9	261.0	30-40			
50	223.5	231.9	234.8	233.2	224.6	215.9	212.0	214.7	40-50			
60	170.0	180.1	183.7	181.2	171.1	161.2	157.1	159.6	50-60			
70	109.1	120.7	124.7	121.6	110.2	100.5	86.79	98.05	60-70			
80	47.30	59.17	63.07	59.07	48.10	36.50	35.09	32.90	70-80			
90	4.448	15.26	17.56	13.08	4.509	5.084	4.399	4.334	80-90			
100	1.486	4.145	5.821	1.224	1.200	1.224	1.364	1.273	90-100			
110	2.307	2.514	2.925	2.251	1.923	1.880	2.013	1.938	100-110			
120	3.120	3.261	3.227	3.064	2.605	2.538	2.621	2.546	110-120			
130	3.680	3.771	4.204	3.565	3.229	3.145	3.196	3.145	120-130			
140	3.934	4.140	4.739	4.042	3.886	3.942	3.705	3.688	130-140			
150	4.082	4.534	4.879	4.411	4.510	4.452	4.313	4.303	140-150			
160	4.345	4.806	4.863	4.674	5.019	4.846	5.061	4.879	150-160			
170	4.706	5.019	5.051	4.781	5.306	5.232	5.586	5.249	160-170			
180	5.290	5.405	5.758	5.397	5.306	5.397	5.791	5.331	170-180			



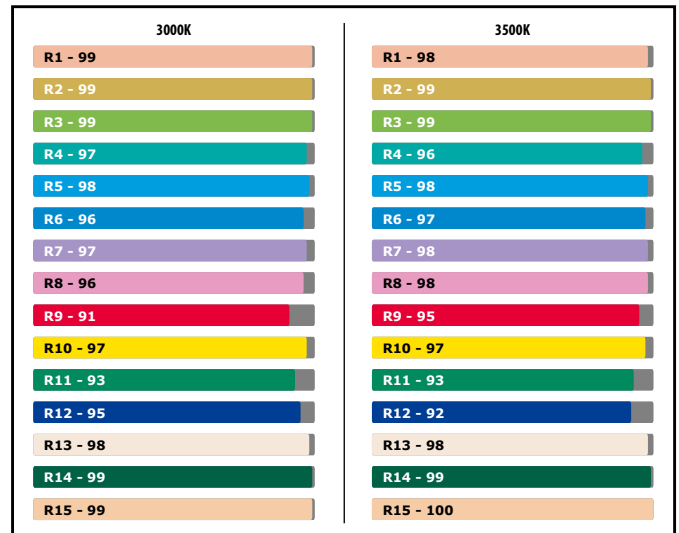
X = 0.4404 Y = 0.4026 CCT = 2930K



X = 0.4065 Y = 0.3916 CCT = 3482K



COLOR RENDERING INDEX (CRI) GRAPH



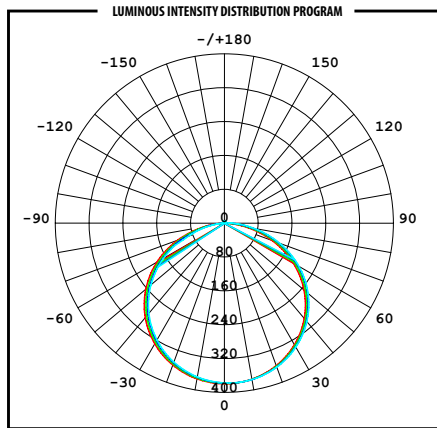
Height	E avg, E max	Angle: 118.59 deg	Diameter
1m	87.23, 349.51x		336.74cm
2m	21.81, 87.371x		673.48cm
3m	9.693, 38.831x		1010.22cm
4m	5.452, 21.841x		1346.96cm
5m	3.489, 13.981x		1683.70cm
6m	2.423, 9.7081x		2020.44cm
7m	1.780, 7.1331x		2357.18cm
8m	1.363, 5.4611x		2693.92cm
9m	1.077, 4.3151x		3030.66cm
10m	0.8723, 3.4951x		3367.40cm

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

2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

Daylight White (4000K)

SKU: SA-LS-ULTRA-DLW-2835-900-24V

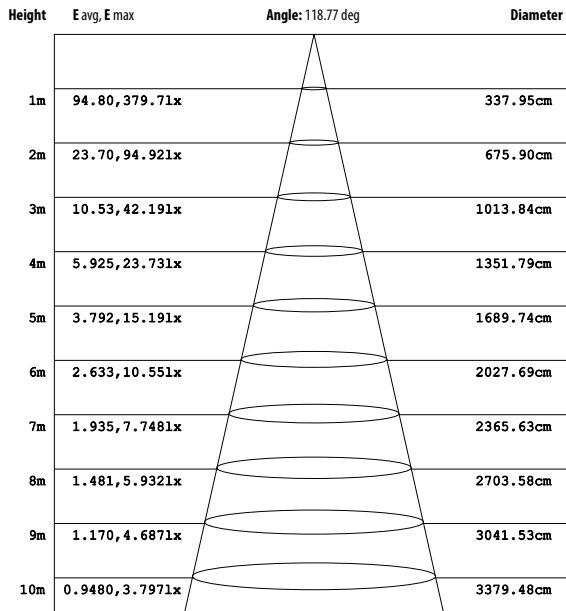


AVERAGE BEAM ANGLE (50%): 119.0 DEG

UNIT: cd

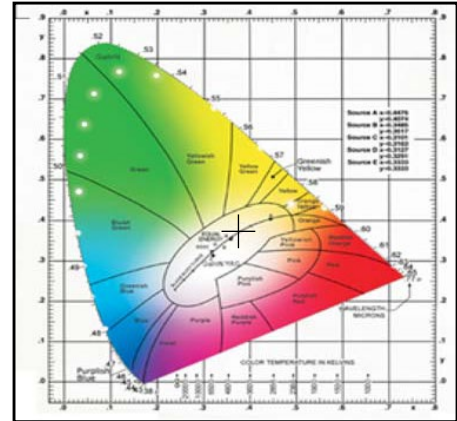
- C0 / 180, 119.0
- C60 / 240, 119.1
- C30 / 210, 119.1
- C90 / 270, 119.0

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	374.7	375.5	375.6	374.5	373.8	370.9	369.3	370.1	0-10
20	358.9	361.5	362.5	360.3	357.1	352.3	349.8	351.6	10-20
30	332.1	336.8	338.5	335.6	329.6	322.9	319.5	322.4	20-30
40	294.6	301.3	304.0	300.2	291.6	283.0	278.6	282.3	30-40
50	246.6	255.4	259.1	254.3	243.1	232.6	227.4	231.9	40-50
60	188.5	199.5	204.1	198.7	184.8	172.9	167.4	172.0	50-60
70	122.0	134.7	140.4	134.3	118.2	106.2	92.87	105.4	60-70
80	53.53	66.49	72.82	66.75	50.58	36.06	35.54	35.33	70-80
90	4.866	15.02	20.85	16.05	3.893	4.023	3.439	4.433	80-90
100	1.592	3.218	6.725	1.315	1.340	1.420	1.528	1.404	90-100
110	2.496	2.522	3.320	2.424	2.145	2.119	2.235	2.119	100-110
120	3.408	3.467	3.448	3.303	2.908	2.817	2.908	2.792	110-120
130	4.000	4.050	4.492	3.853	3.574	3.474	3.508	3.417	120-130
140	4.304	4.494	5.157	4.370	4.272	4.319	4.058	4.049	130-140
150	4.460	4.920	5.249	4.773	4.937	4.846	4.708	4.689	140-150
160	4.755	5.233	5.249	5.101	5.487	5.273	5.504	5.363	150-160
170	5.125	5.463	5.510	5.224	5.815	5.659	6.062	5.676	160-170
180	5.774	5.832	6.210	5.857	5.791	5.873	6.243	5.799	170-180



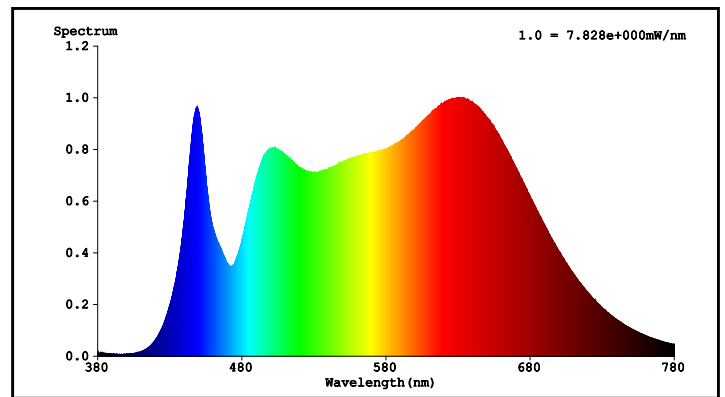
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

CIE1931 CHROMATICITY DIAGRAM

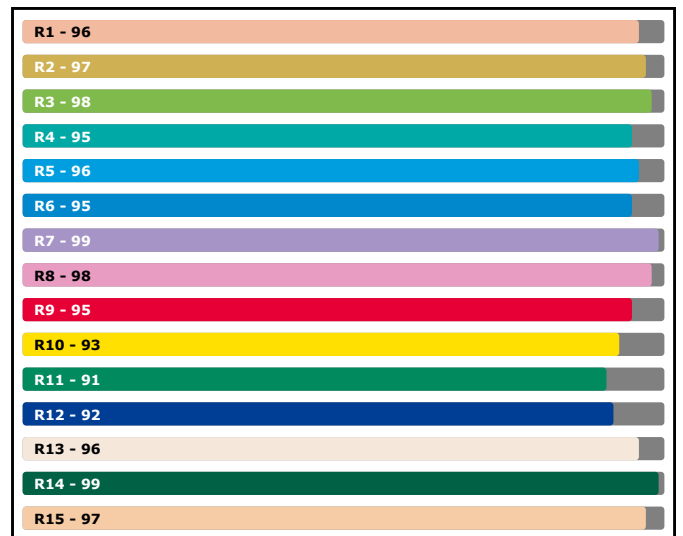


X = 0.3823 Y = 0.3781 CCT = 3960K

SPECTRAL DISTRIBUTION



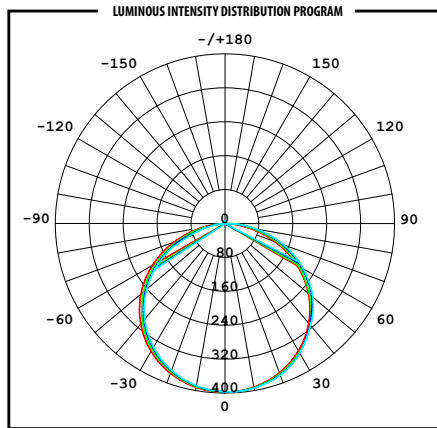
COLOR RENDERING INDEX (CRI) GRAPH



2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

Natural White (5000K)

SKU: SA-LS-ULTRA-NW-2835-900-24V



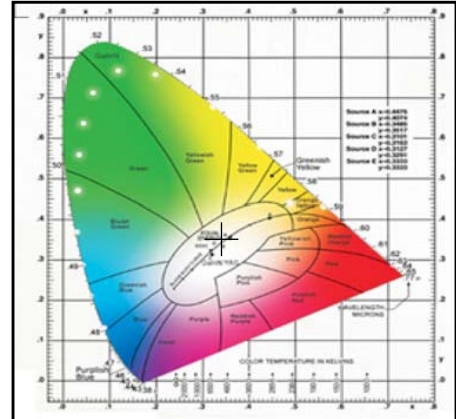
AVERAGE BEAM ANGLE (50%): 119.2 DEG

UNIT: cd

- C0 / 180, 119.5
- C30 / 210, 118.9
- C60 / 240, 119.2
- C90 / 270, 119.3

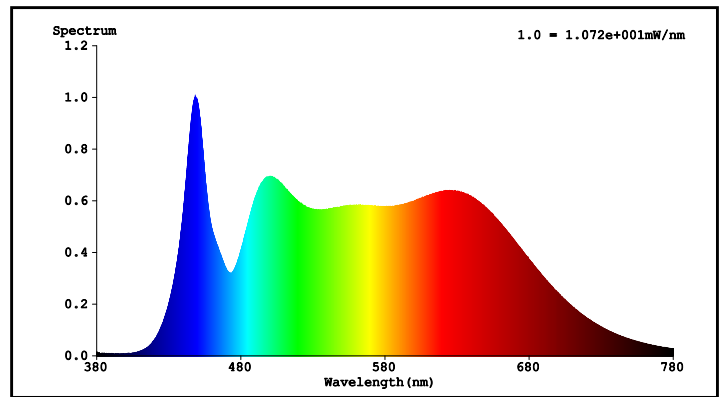
DEG.	Luminous Intensity: cd										DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	392.0	393.8	394.5	394.3	392.7	390.0	388.6	389.3	0-10		
20	375.0	379.1	380.9	380.1	376.3	371.3	368.7	370.0	10-20		
30	346.8	353.1	352.8	354.8	348.5	341.3	337.5	339.5	20-30		
40	307.5	312.5	314.4	316.1	309.6	299.7	295.0	297.8	30-40		
50	257.3	264.2	271.0	266.1	259.3	246.9	241.2	244.9	40-50		
60	196.4	208.1	214.0	208.7	198.4	183.5	177.0	181.6	50-60		
70	126.7	140.1	148.4	142.8	128.6	111.8	95.68	108.1	60-70		
80	53.89	70.80	76.59	71.51	57.34	35.49	32.54	34.09	70-80		
90	6.749	16.23	18.06	15.01	6.634	4.327	2.295	4.594	80-90		
100	1.765	2.077	2.863	1.405	1.389	1.551	1.783	1.725	90-100		
110	2.701	2.695	2.413	2.564	2.235	2.234	2.514	2.234	100-110		
120	3.638	3.705	3.695	3.516	3.007	2.924	3.023	2.915	110-120		
130	4.328	4.288	4.837	4.066	3.705	3.646	3.648	3.573	120-130		
140	4.575	4.748	5.412	4.600	4.445	4.525	4.215	4.197	130-140		
150	4.731	5.167	5.553	5.019	5.175	5.100	4.921	4.879	140-150		
160	4.978	5.496	5.520	5.339	5.742	5.511	5.767	5.569	150-160		
170	5.388	5.725	5.765	5.487	6.111	5.955	6.350	6.012	160-170		
180	6.087	6.193	6.547	6.193	6.119	6.193	6.571	6.128	170-180		

CIE1931 CHROMATICITY DIAGRAM



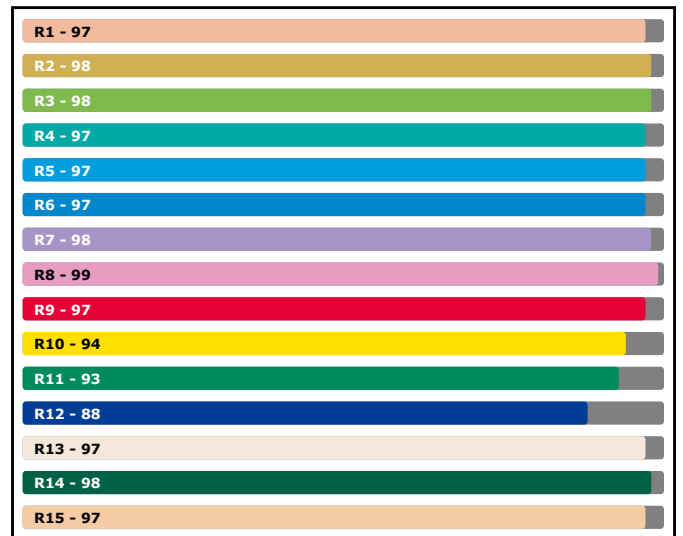
X = 0.3462 Y = 0.3535 CCT = 4965K

SPECTRAL DISTRIBUTION



Height	E avg, E max	Angle: 119.19 deg	Diameter
1m	99.74, 397.81x		340.79cm
2m	24.94, 99.461x		681.58cm
3m	11.08, 44.201x		1022.38cm
4m	6.234, 24.871x		1363.17cm
5m	3.990, 15.911x		1703.96cm
6m	2.771, 11.051x		2044.75cm
7m	2.036, 8.1191x		2385.54cm
8m	1.558, 6.2161x		2726.34cm
9m	1.231, 4.9121x		3067.13cm
10m	0.9974, 3.9781x		3407.92cm

COLOR RENDERING INDEX (CRI) GRAPH

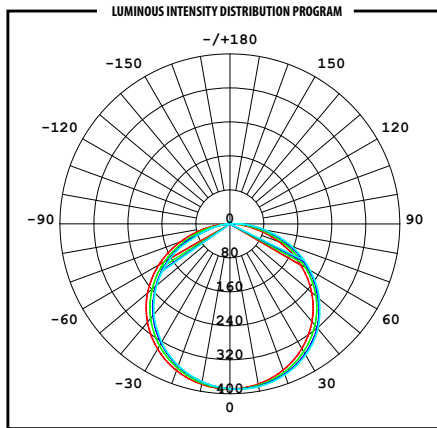


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

2835 ULTRA HIGH CRI 72W LED STRIP LIGHT PHOTOMETRICS

White (6000K)

SKU: SA-LS-ULTRA-W-2835-900-24V



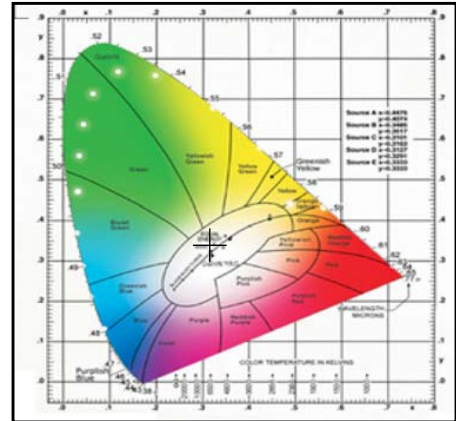
AVERAGE BEAM ANGLE (50%): 119.1 DEG

UNIT: cd

- C0 / 180, 119.6
- C30 / 210, 119.1
- C60 / 240, 118.7
- C90 / 270, 118.8

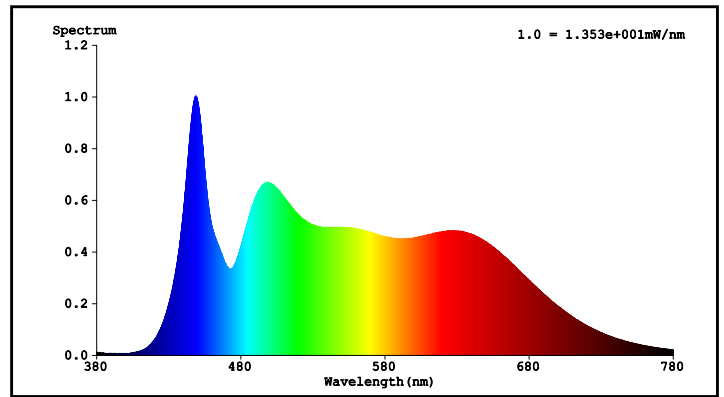
DEG.	Luminous Intensity: cd										DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	383.2	387.3	389.1	387.8	383.8	379.1	377.3	379.1	0-10		
20	366.7	374.9	378.3	375.8	367.7	358.7	355.3	356.8	10-20		
30	339.2	351.5	356.7	352.6	340.6	327.5	322.2	326.6	20-30		
40	300.8	316.8	322.5	318.2	302.6	285.4	278.8	285.1	30-40		
50	251.7	269.4	274.8	272.2	253.5	233.1	225.4	233.2	40-50		
60	192.2	211.0	218.3	213.3	194.2	170.4	162.6	171.4	50-60		
70	124.2	145.9	155.8	146.2	126.0	101.8	84.77	102.3	60-70		
80	54.84	76.60	85.65	76.46	56.42	30.62	29.43	36.53	70-80		
90	5.925	22.79	27.82	20.28	6.574	5.560	4.401	4.325	80-90		
100	1.749	1.562	4.109	1.872	1.381	1.609	1.849	1.561	90-100		
110	2.669	2.514	2.200	2.440	2.202	2.324	2.530	2.266	100-110		
120	3.572	3.500	3.440	3.327	2.974	3.022	3.114	3.013	110-120		
130	4.213	4.116	4.533	3.877	3.648	3.712	3.738	3.614	120-130		
140	4.509	4.584	5.182	4.444	4.363	4.599	4.305	4.222	130-140		
150	4.641	5.011	5.306	4.847	5.069	5.109	4.962	4.854	140-150		
160	4.920	5.348	5.306	5.175	5.602	5.495	5.775	5.544	150-160		
170	5.273	5.594	5.593	5.339	5.980	5.922	6.292	5.914	160-170		
180	5.947	6.062	6.423	6.095	5.972	6.054	6.464	6.062	170-180		

CIE1931 CHROMATICITY DIAGRAM



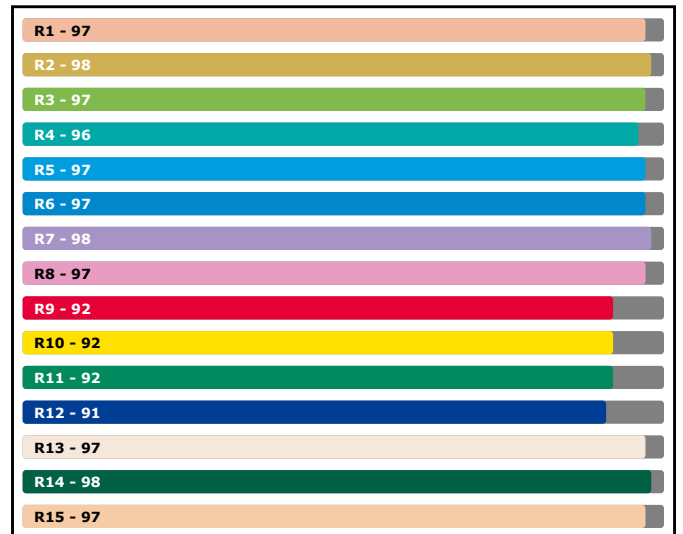
X = 0.3212 Y = 0.3399 CCT = 6016K

SPECTRAL DISTRIBUTION



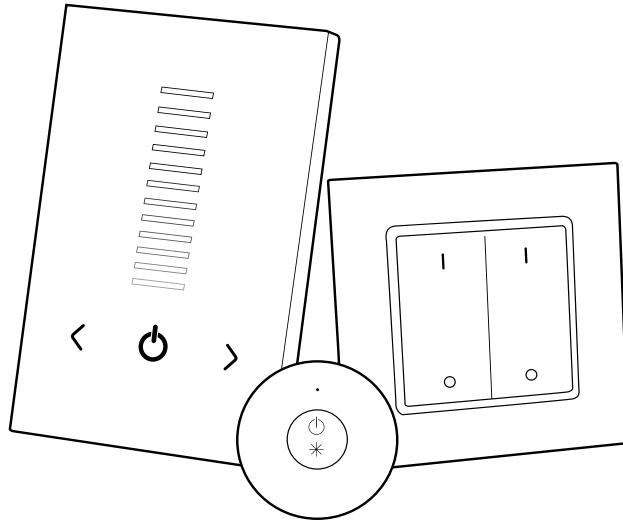
Height	E avg, E max	Angle: 118.83 deg	Diameter
1m	97.74, 389.31x		338.35cm
2m	24.44, 97.321x		676.70cm
3m	10.86, 43.251x		1015.06cm
4m	6.109, 24.331x		1353.41cm
5m	3.910, 15.571x		1691.76cm
6m	2.715, 10.811x		2030.11cm
7m	1.995, 7.9451x		2368.46cm
8m	1.527, 6.0831x		2706.82cm
9m	1.207, 4.8061x		3045.17cm
10m	0.9774, 3.8931x		3383.52cm

COLOR RENDERING INDEX (CRI) GRAPH

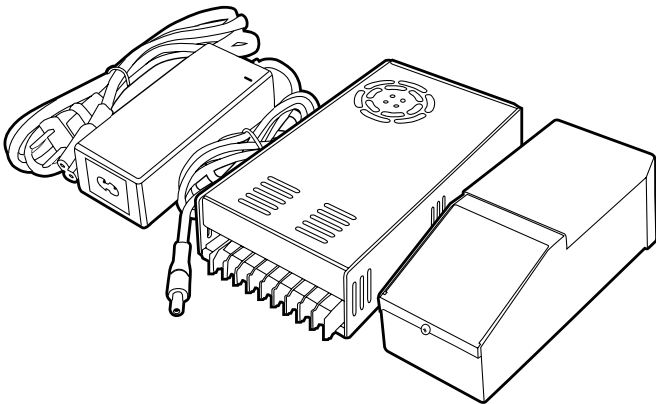


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

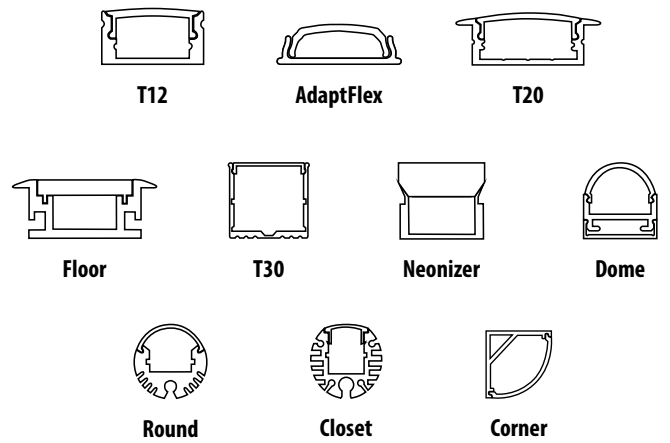
Dimmers



Power Supplies

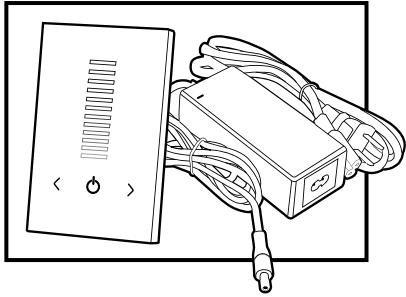


LED Strip Channels

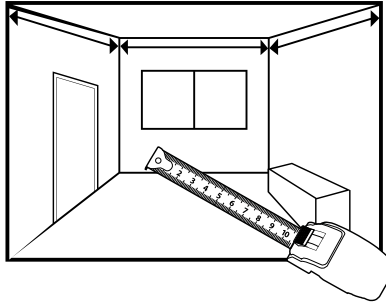


2835 ULTRA HIGH CRI 72W LED STRIP LIGHT INSTALLATION GUIDE

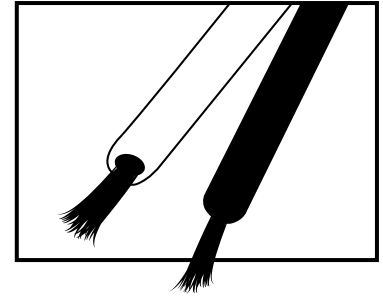
1. Determine where to install the Driver and optional Dimmer.



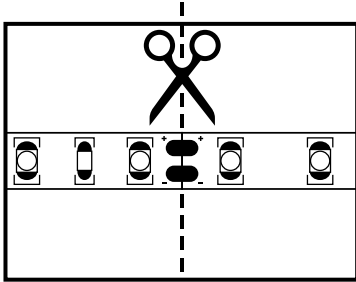
2. Determine the measurement of area where LED Strip Lights will be placed.



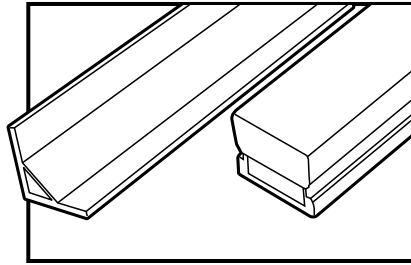
3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).



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



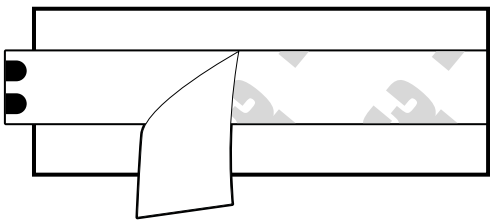
5. If using Channels, cut or extend them to fit size of the installation area



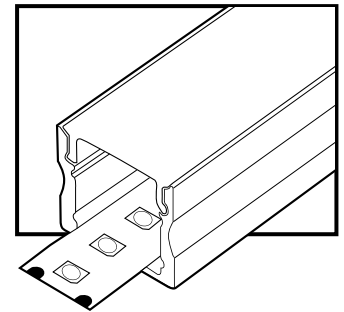
6. Thoroughly clean the surface where the LED Strip will be mounted.



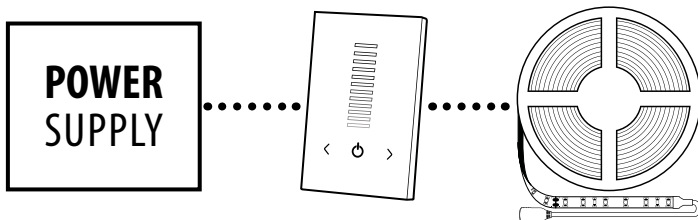
7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.



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.

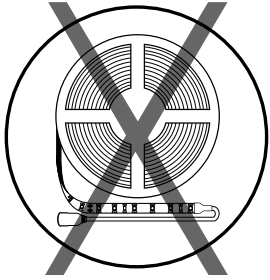


9. Power up and enjoy!

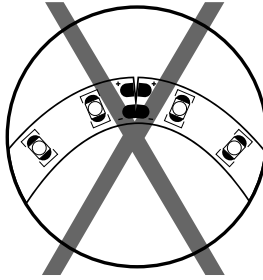
Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

2835 ULTRA HIGH CRI 72W LED STRIP LIGHT WARNINGS

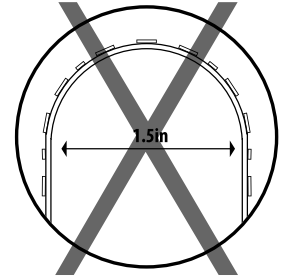
Do not power LED Strip still coiled in spool.



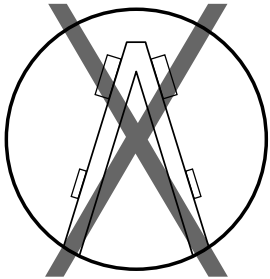
Do not bend LED Strip sideways.



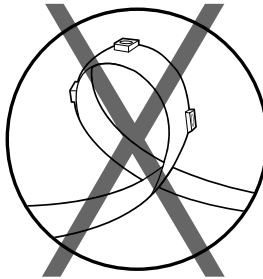
Do not bend LED strips to a diameter less than 1.5 inches.



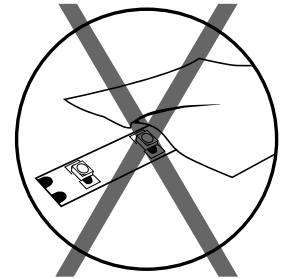
Do not fold or crease LED Strip.



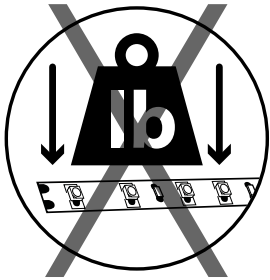
Do not twist LED Strip.



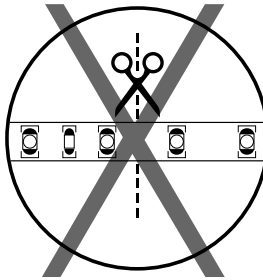
Do not cover LED Strip with anything other than LED Channel Diffusers.



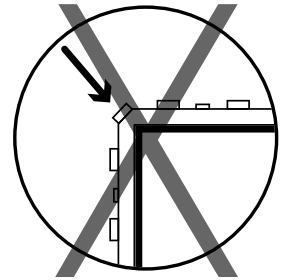
Do not put direct excessive pressure on the LED surface.



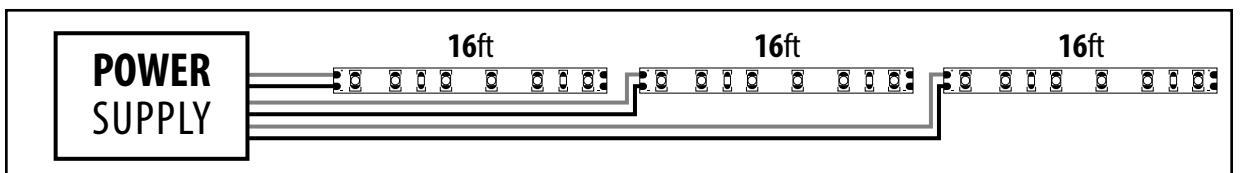
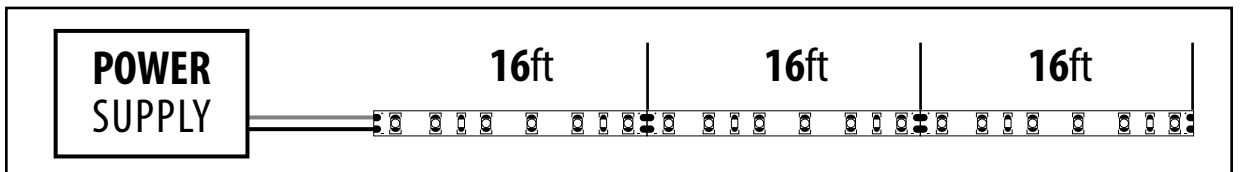
Do not cut LED Strips except at designated cutting points.



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.



2835 ULTRA HIGH CRI 72W LED STRIP LIGHT SAFETY & WARRANTY

Safety / Disclosures

1. Please follow the included installation guide for proper installation procedure (See pg. 9).
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 **2835** ULTRA High CRI 72W 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.