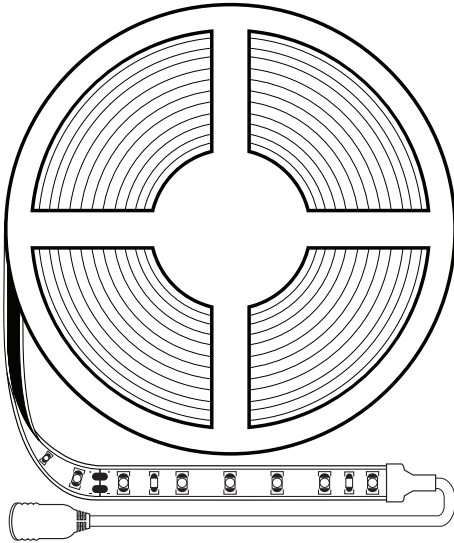


3528 WATERPROOF 48W LED STRIP LIGHT



Product Description

With 600 LEDs on a compact and robustly designed Printed Circuit Board, Solid Apollo's Waterproof 3528 48W LED Strip Lights offer an incredibly beautiful and bright light for all your decorative outdoor lighting. The Strips are waterproofed with a high-end Silicon formula that includes chemicals that protect against UV rays from the sun and other environmental elements. This greatly increases the lifetime of the Strips. The Strips are UL listed and 100% waterproof with an IP67 rating.

Solid Apollo's Waterproof 3528 48W Strips have a built-in heavy-duty double-sided tape that enables them to be stuck to any surface including bricks and rough surfaces. The Strips are available in a variety of colors and white color temperatures. They offer many advantages including:

- UL certified for Safety and Durability.
- Suitable for wet locations.
- IP67 Rated for Waterproof and Outdoor use.
- Flexibility with a slim and compact design.
- Fully adjustable brightness with our optional Dimmers.
- Easy installation with an already mounted 3M double sided tape.
- Field cuttable every 1.9 inches with clearly marked cutting points.
- Waterproofed Barrel connector for easy plug-and-play with compatible Power Supplies.
- Variety of colors and white color temperatures to choose from (see table below).

Quick Spec.

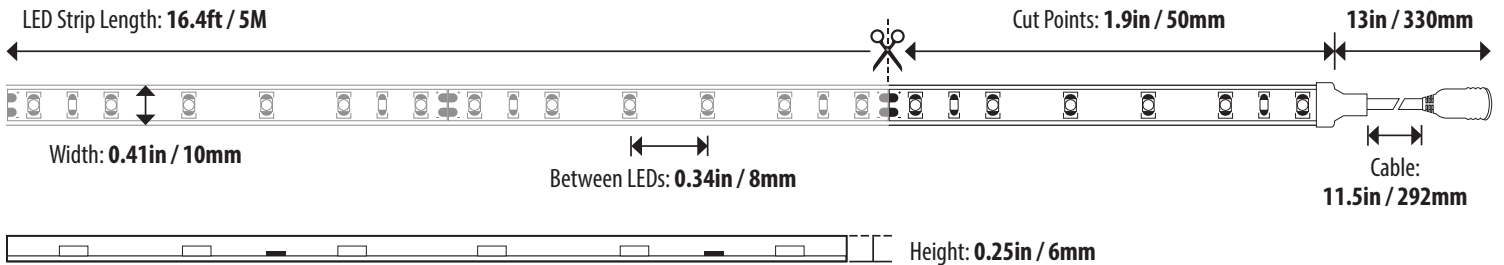
600 LEDs
16.4ft

**UP TO 270+
LUMENS / FT**

- **Fully Dimmable:** Yes
- **Voltage:** 24V DC
- **Total Wattage:** 48W
- **Beam Angle:** 120°

- **UL Listing #:** E493881
- **PCB Width:** 0.41in / 10mm
- **Dimensions:** 196.8in x 0.41in x 0.25in
- **Working Temperature:** -40° to 122°F

3528 Waterproof LED Strip Illustration



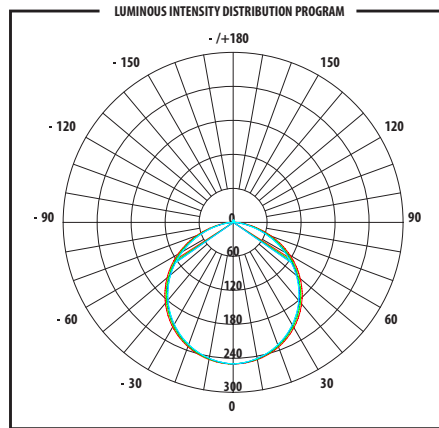
Technical Information

Available LED Color	SKU#	Temp (K)	Total LEDs	Lumens / Ft.	Max Wattage	LED Type	Color Rendering Index	Minimum Cut
Candlelight Warm White	SA-LS-CLWW-3528-600-IP67-24V	2400K	600	128	48W	SMD 3528	82+	1.9in / 50mm
Super Warm White	SA-LS-SWW-3528-600-IP67-24V	2700K	600	219	48W	SMD 3528	82+	1.9in / 50mm
Warm White	SA-LS-WW-3528-600-IP67-24V	3100K	600	237	48W	SMD 3528	82+	1.9in / 50mm
Daylight White	SA-LS-DLW-3528-600-IP67-24V	4000K	600	274	48W	SMD 3528	82+	1.9in / 50mm
Natural White	SA-LS-NW-3528-600-IP67-24V	5000K	600	274	48W	SMD 3528	82+	1.9in / 50mm
White	SA-LS-W-3528-600-IP67-24V	6000K	600	274	48W	SMD 3528	82+	1.9in / 50mm
Red	SA-LS-RE-3528-600-IP67-24V	N/A	600	N/A	48W	SMD 3528	N/A	1.9in / 50mm
Green	SA-LS-GR-3528-600-IP67-24V	N/A	600	N/A	48W	SMD 3528	N/A	1.9in / 50mm
Blue	SA-LS-BL-3528-600-IP67-24V	N/A	600	N/A	48W	SMD 3528	N/A	1.9in / 50mm
Amber	SA-LS-AM-3528-600-IP67-24V	2100K	600	N/A	48W	SMD 3528	N/A	1.9in / 50mm

3528 WATERPROOF 48W LED STRIP LIGHT PHOTOMETRICS

Candlelight Warm White (2400K)

SKU: SA-LS-CWW-3528-600-24V

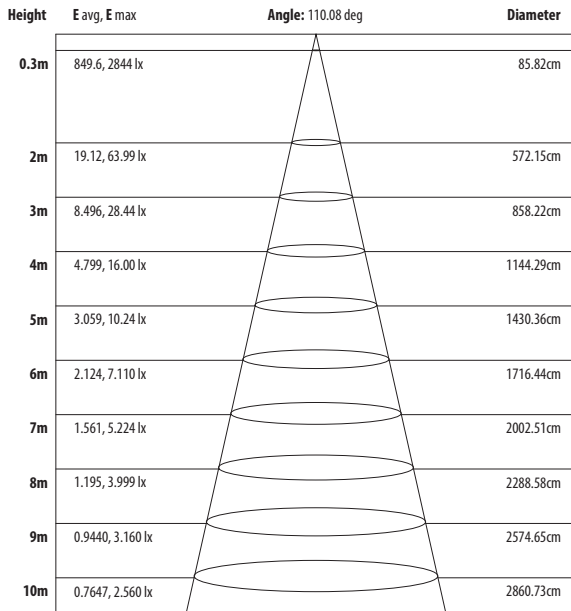


AVERAGE BEAM ANGLE (50%): 112.0 DEG

UNIT: cd

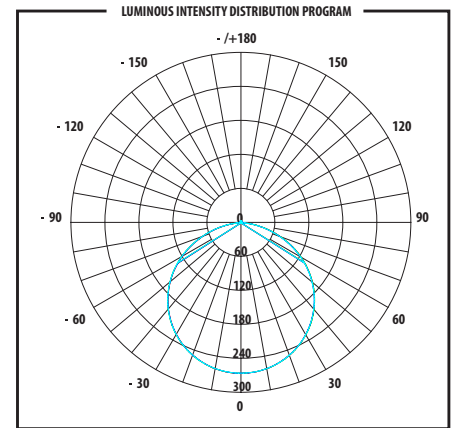
CO / 180, 114.8 C60 / 240, 110.6
C30 / 210, 112.6 C90 / 270, 110.1

DEG.		Luminous Intensity: cd								DEG.	
g	C0	C45	C90	C135	C180	C225	C270	C315		g	
10	251.6	250.1	249.5	250.2	251.7	250.2	249.5	250.1		0 - 10	
20	239.2	236.3	235.1	236.4	239.1	236.4	235.1	236.3		10 - 20	
30	219.1	214.9	213.0	214.8	218.8	214.8	213.0	214.9		20 - 30	
40	191.7	186.2	183.7	186.0	191.0	186.0	183.7	186.2		30 - 40	
50	157.7	151.0	148.0	150.6	156.5	150.6	148.0	151.0		40 - 50	
60	117.7	110.1	106.8	109.5	116.1	109.5	106.8	110.1		50 - 60	
70	73.45	65.59	62.21	64.69	71.29	64.69	62.21	65.59		60 - 70	
80	30.00	24.04	21.82	23.05	27.89	23.05	21.82	24.04		70 - 80	
90	1.151	1.978	1.645	1.380	0.8767	1.380	1.645	1.978		80 - 90	
100	0.5650	0.5976	0.7254	0.6614	0.5969	0.6614	0.7254	0.5976		90 - 100	
110	1.131	1.163	1.307	1.211	1.210	1.211	1.307	1.163		100 - 110	
120	1.649	1.769	1.937	1.769	1.744	1.769	1.937	1.769		110 - 120	
130	2.063	2.303	2.463	2.315	2.119	2.315	2.463	2.303		120 - 130	
140	2.382	2.761	2.829	2.709	2.422	2.709	2.829	2.761		130 - 140	
150	2.693	3.127	3.116	2.964	2.764	2.964	3.116	3.127		140 - 150	
160	3.036	3.390	3.458	3.135	3.051	3.135	3.458	3.390		150 - 160	
170	3.442	3.653	3.769	3.382	3.450	3.382	3.769	3.653		160 - 170	
180	3.841	3.872	4.183	3.880	3.817	3.880	4.183	3.872		170 - 180	



Super Warm White (2700K)

SKU: SA-LS-SWW-3528-600-24V

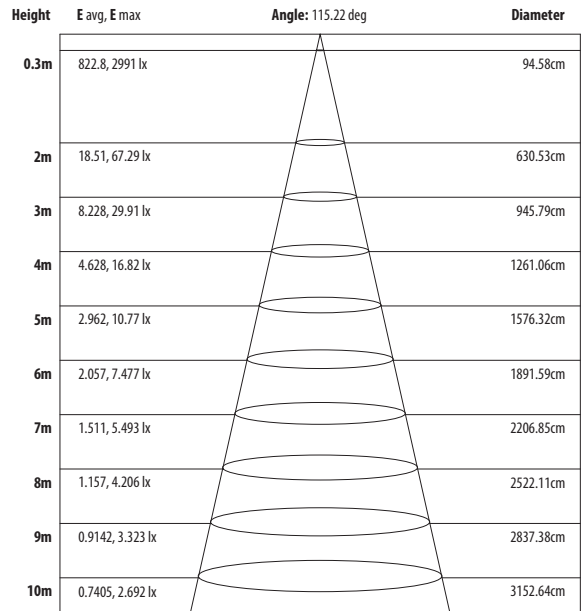


AVERAGE BEAM ANGLE (50%): 115.3 DEG

UNIT: cd

CO / 180, 115.2 C60 / 240, 115.1
C30 / 210, 115.5 C90 / 270, 115.3

DEG.		Luminous Intensity: cd								DEG.	
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	264.7	264.7	264.7	264.8	264.8	264.8	264.7	264.7	0 - 10		
20	252.1	252.1	252.0	252.0	251.9	252.0	252.0	252.1	10 - 20		
30	231.3	231.3	231.2	231.2	230.8	231.2	231.2	231.3	20 - 30		
40	202.8	202.7	202.4	202.2	201.9	202.4	202.4	202.7	30 - 40		
50	167.1	166.8	166.3	166.1	165.7	166.1	166.3	166.8	40 - 50		
60	124.9	124.5	123.9	123.4	122.9	123.4	123.9	124.5	50 - 60		
70	78.06	77.53	76.75	76.09	75.60	76.09	76.75	77.53	60 - 70		
80	32.39	32.00	31.44	30.56	29.95	30.56	31.44	32.00	70 - 80		
90	1.545	3.772	3.410	2.680	0.6965	2.680	3.410	3.772	80 - 90		
100	0.6209	0.6654	0.6775	0.5896	0.6369	0.5859	0.6775	0.6654	90 - 100		
110	1.218	1.163	1.236	1.159	1.258	1.159	1.236	1.163	100 - 110		
120	1.761	1.793	1.897	1.773	1.824	1.773	1.897	1.793	110 - 120		
130	2.214	2.359	2.478	2.362	2.246	2.362	2.478	2.359	120 - 130		
140	2.533	2.860	2.877	2.793	2.557	2.793	2.877	2.860	130 - 140		
150	2.892	3.263	3.211	3.052	2.892	3.052	3.211	3.263	140 - 150		
160	3.226	3.558	3.594	3.259	3.219	3.259	3.594	3.558	150 - 160		
170	3.657	3.844	3.929	3.538	3.641	3.538	3.929	3.844	160 - 170		
180	4.064	4.088	4.414	4.076	4.048	4.076	4.414	4.088	170 - 180		

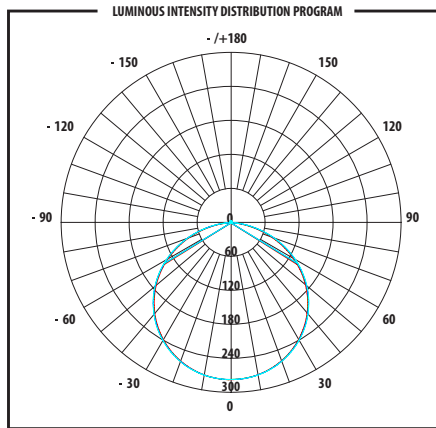


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

3528 WATERPROOF 48W LED STRIP LIGHT PHOTOMETRICS

Warm White (3100K)

SKU: SA-LS-WW-3528-600-24V



AVERAGE BEAM ANGLE (50%): 116.8 DEG

UNIT: cd

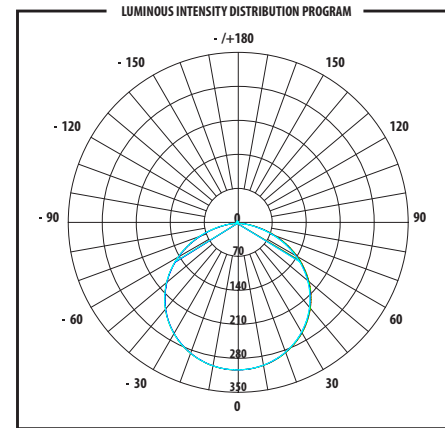
— C0 / 180, 115.8 — C60 / 240, 117.1
— C30 / 210, 116.9 — C90 / 270, 117.5

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	276.0	276.2	276.4	276.4	276.0	276.4	276.2	276.2	0 - 10
20	263.0	263.7	264.0	263.7	262.9	263.7	264.0	263.7	10 - 20
30	241.4	242.7	243.2	242.7	241.4	242.7	243.2	242.7	20 - 30
40	211.8	213.5	214.2	213.7	212.0	213.7	214.2	213.5	30 - 40
50	174.5	176.7	177.6	177.0	174.9	177.0	177.6	176.7	40 - 50
60	130.1	132.9	134.3	133.5	130.9	133.5	133.5	132.9	50 - 60
70	80.54	83.85	85.51	84.73	81.85	84.73	84.73	83.85	60 - 70
80	31.58	35.07	37.01	35.85	32.65	35.85	37.01	35.07	70 - 80
90	1.429	4.640	5.534	4.294	1.135	4.294	5.534	4.640	80 - 90
100	0.6922	0.6814	0.6378	0.5738	0.6606	0.5738	0.6378	0.6814	90 - 100
110	1.330	1.243	1.267	1.167	1.330	1.167	1.267	1.243	100 - 110
120	1.896	1.892	1.969	1.813	1.896	1.813	1.969	1.892	110 - 120
130	2.350	2.482	2.582	2.442	2.374	2.442	2.582	2.482	120 - 130
140	2.685	3.000	3.004	2.904	2.677	2.904	3.004	3.000	130 - 140
150	3.012	3.426	3.355	3.187	3.012	3.187	3.355	3.426	140 - 150
160	3.386	3.717	3.761	3.398	3.402	3.398	3.761	3.717	150 - 160
170	3.824	4.008	4.120	3.713	3.800	3.713	4.120	4.008	160 - 170
180	4.311	4.287	4.574	4.263	4.207	4.263	4.574	4.287	170 - 180

Height	E avg, E max	Angle: 115.83 deg	Diameter
0.3m	866.8, 3117 lx		95.70cm
2m	19.50, 70.13 lx		638.01cm
3m	8.668, 31.17 lx		957.02cm
4m	4.876, 17.53 lx		1276.02cm
5m	3.120, 11.22 lx		1595.03cm
6m	2.167, 7.792 lx		1914.03cm
7m	1.592, 5.725 lx		2233.04cm
8m	1.219, 4.383 lx		2552.04cm
9m	0.9631, 3.463 lx		2871.05cm
10m	0.7801, 2.805 lx		3190.05cm

Daylight White (4000K)

SKU: SA-LS-DW-3528-600-24V



AVERAGE BEAM ANGLE (50%): 117.0 DEG

UNIT: cd

— C0 / 180, 117.4 — C60 / 240, 116.7
— C30 / 210, 117.3 — C90 / 270, 116.7

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	301.6	301.4	301.1	301.1	301.2	301.1	301.1	301.4	0 - 10
20	288.7	288.3	287.6	287.5	287.6	287.5	287.6	288.3	10 - 20
30	267.0	266.1	265.1	264.7	264.8	264.7	265.1	266.1	20 - 30
40	236.3	235.0	233.5	232.8	233.1	232.8	235.0	236.3	30 - 40
50	196.8	195.1	193.0	192.1	192.4	192.1	193.0	195.1	40 - 50
60	149.2	146.9	144.3	143.0	143.5	143.0	144.3	146.9	50 - 60
70	94.71	92.21	89.31	87.63	88.04	87.63	89.31	92.21	60 - 70
80	39.80	37.97	35.57	33.48	33.53	33.48	35.57	37.97	70 - 80
90	2.057	4.960	4.668	2.688	1.221	2.688	4.668	4.960	80 - 90
100	0.7244	0.7611	0.8766	0.7609	0.8436	0.7609	0.8766	0.7611	90 - 100
110	1.457	1.402	1.530	1.442	1.577	1.442	1.530	1.402	100 - 110
120	2.111	2.151	2.295	2.147	2.214	2.147	2.295	2.151	110 - 120
130	2.589	2.789	2.957	2.805	2.661	2.805	2.957	2.789	120 - 130
140	2.964	3.358	3.395	3.299	3.035	3.299	3.395	3.358	130 - 140
150	3.330	3.801	3.753	3.589	3.409	3.589	3.753	3.801	140 - 150
160	3.721	4.108	4.168	3.793	3.768	3.793	4.168	4.108	150 - 160
170	4.199	4.422	4.526	4.103	4.191	4.103	4.526	4.422	160 - 170
180	4.685	4.693	5.076	4.689	4.693	4.689	5.076	4.693	170 - 180

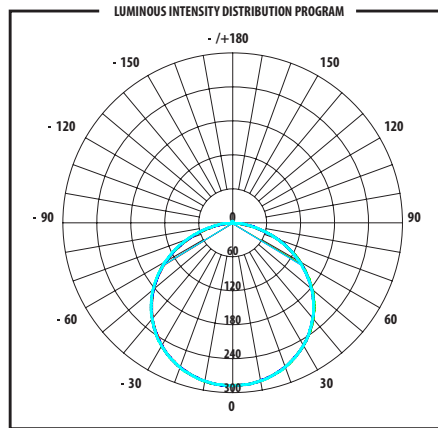
Height	E avg, E max	Angle: 116.72 deg	Diameter
0.3m	895.5, 3399 lx		97.39cm
2m	20.15, 76.47 lx		649.24cm
3m	8.955, 33.99 lx		973.85cm
4m	5.037, 19.12 lx		1298.47cm
5m	3.224, 12.24 lx		1623.09cm
6m	2.239, 8.497 lx		1947.71cm
7m	1.645, 6.243 lx		2272.33cm
8m	1.259, 4.780 lx		2596.95cm
9m	0.9950, 3.776 lx		2921.56cm
10m	0.8059, 3.059 lx		3246.18cm

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

3528 WATERPROOF 48W LED STRIP LIGHT PHOTOMETRICS

Natural White (5000K)

SKU: SA-LS-NW-3528-600-24V



AVERAGE BEAM ANGLE (50%): 117.7 DEG

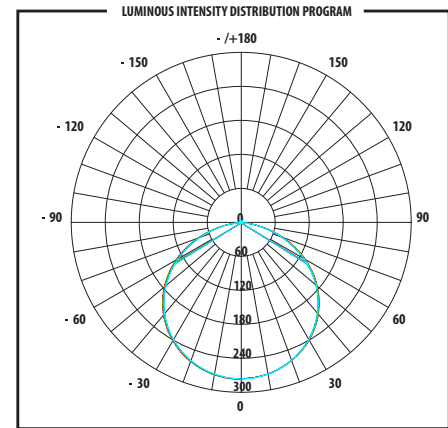
UNIT: cd

— C0 / 180, 117.7 — C60 / 240, 117.5
— C30 / 210, 117.9 — C90 / 270, 117.7

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	284.8	284.8	284.8	285.0	284.9	285.0	284.8	284.8	0 - 10
20	272.6	272.7	272.7	272.6	272.3	272.6	272.7	272.7	10 - 20
30	252.1	252.1	252.0	251.8	251.3	251.8	252.0	252.1	20 - 30
40	223.2	223.0	222.5	222.2	221.7	222.2	222.5	223.0	30 - 40
50	185.8	185.4	184.5	184.0	183.3	184.0	184.5	185.4	40 - 50
60	140.5	139.7	138.6	137.7	137.0	137.7	138.6	139.7	50 - 60
70	88.80	88.21	87.49	85.71	84.28	85.71	87.49	88.21	60 - 70
80	37.17	38.40	39.10	35.64	32.89	35.64	39.10	38.40	70 - 80
90	1.405	7.149	8.537	4.979	0.6999	4.979	8.537	7.179	80 - 90
100	0.7162	1.151	1.616	0.7408	0.7645	0.7408	1.616	1.151	90 - 100
110	1.386	1.339	1.475	1.366	1.465	1.366	1.475	1.339	100 - 110
120	1.991	2.036	2.168	2.024	2.071	2.024	2.168	2.036	110 - 120
130	2.454	2.653	2.765	2.653	2.518	2.653	2.765	2.653	120 - 130
140	2.796	3.179	3.187	3.112	2.876	3.112	3.187	3.179	130 - 140
150	3.163	3.585	3.506	3.394	3.179	3.394	3.506	3.585	140 - 150
160	3.513	3.865	3.905	3.601	3.514	3.601	3.905	3.865	150 - 160
170	3.960	4.163	4.279	3.868	3.928	3.868	4.279	4.163	160 - 170
180	4.438	4.450	4.757	4.394	4.327	4.394	4.757	4.450	170 - 180

White (6000K)

SKU: SA-LS-W-3528-600-24V

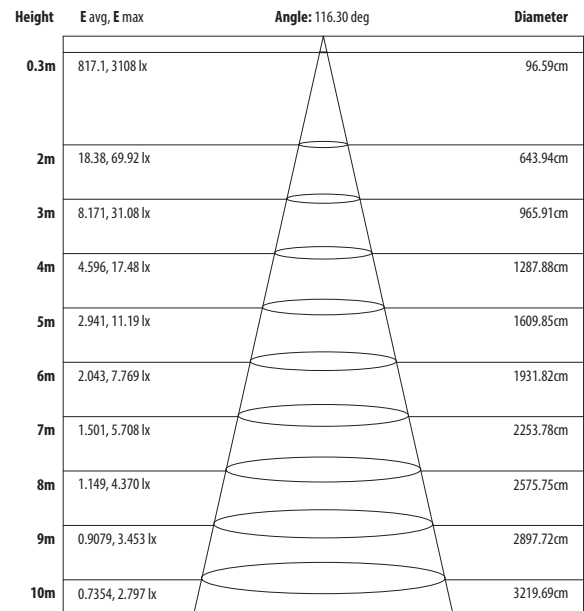
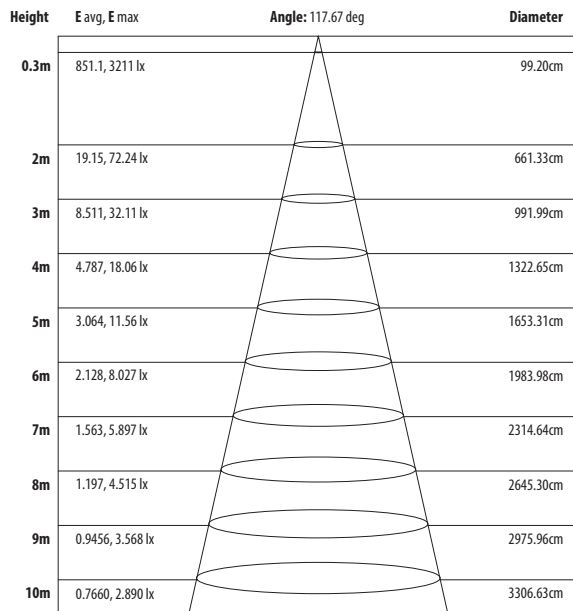


AVERAGE BEAM ANGLE (50%): 116.9 DEG

UNIT: cd

— C0 / 180, 117.8 — C60 / 240, 116.3
— C30 / 210, 117.3 — C90 / 270, 116.3

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	274.6	274.5	274.6	275.1	275.9	275.1	274.6	274.5	0 - 10
20	262.8	262.1	262.1	262.8	263.9	262.8	262.1	262.1	10 - 20
30	242.9	241.7	241.4	242.4	244.0	242.4	241.4	241.7	20 - 30
40	214.8	213.1	212.5	213.7	215.8	213.7	212.5	213.1	30 - 40
50	178.4	176.2	175.4	176.9	179.4	176.9	175.4	176.2	40 - 50
60	134.1	131.5	130.7	132.4	135.3	132.4	130.7	131.5	50 - 60
70	83.69	80.93	80.56	82.16	84.45	82.16	80.56	80.93	60 - 70
80	33.63	31.94	32.51	33.09	33.60	33.09	32.51	31.94	70 - 80
90	1.439	3.477	4.102	3.418	1.105	3.418	4.102	3.477	80 - 90
100	0.7242	0.6893	0.7814	0.6891	0.7163	0.6891	0.7814	0.6893	90 - 100
110	1.362	1.338	1.451	1.323	1.378	1.323	1.451	1.338	100 - 110
120	1.951	2.016	2.152	1.972	1.991	1.972	2.152	2.016	110 - 120
130	2.390	2.598	2.734	2.601	2.414	2.601	2.734	2.598	120 - 130
140	2.748	3.100	3.140	3.044	2.764	3.044	3.140	3.100	130 - 140
150	3.051	3.494	3.458	3.287	3.067	3.287	3.458	3.494	140 - 150
160	3.394	3.765	3.833	3.482	3.410	3.482	3.833	3.765	150 - 160
170	3.832	4.052	4.151	3.733	3.832	3.733	4.151	4.052	160 - 170
180	4.303	4.303	4.582	4.271	4.295	4.271	4.582	4.303	170 - 180

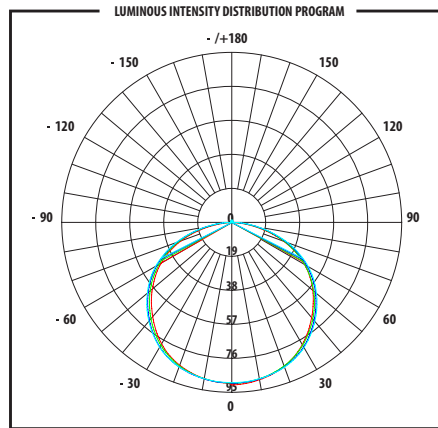


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

3528 WATERPROOF 48W LED STRIP LIGHT PHOTOMETRICS

Red

SKU: SA-LS-RE-3528-600-24V



AVERAGE BEAM ANGLE (50%): 123.9 DEG

UNIT: cd

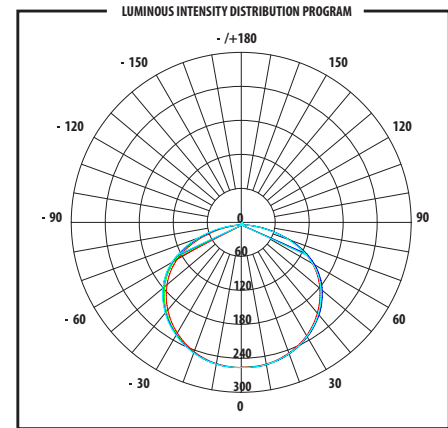
— C0 / 180, 121.3 — C60 / 240, 125.1
— C30 / 210, 123.1 — C90 / 270, 126.2

DEG.		Luminous Intensity: cd								DEG.	
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	90.45	89.97	89.88	90.01	89.80	90.01	89.88	89.97	0 - 10		
20	86.70	86.78	87.18	86.92	86.17	86.92	87.18	86.78	10 - 20		
30	79.86	80.80	81.80	81.03	79.53	81.03	81.80	80.80	20 - 30		
40	70.34	72.02	73.15	72.05	69.84	72.05	73.15	72.02	30 - 40		
50	59.92	61.33	62.58	61.35	58.80	61.35	62.58	61.33	40 - 50		
60	47.52	48.57	49.98	48.74	46.34	48.74	49.98	48.57	50 - 60		
70	31.41	32.69	33.87	33.02	30.88	33.02	33.87	32.69	60 - 70		
80	13.00	14.80	15.71	15.08	12.64	15.08	15.71	14.80	70 - 80		
90	0.6837	2.483	2.800	1.977	0.1185	1.977	2.800	2.483	80 - 90		
100	0.1431	0.3268	0.3262	0.1673	0.1352	0.1673	0.3262	0.3268	90 - 100		
110	0.3662	0.3584	0.3985	0.3187	0.3583	0.3187	0.3985	0.3584	100 - 110		
120	0.5257	0.5497	0.6216	0.5219	0.5146	0.5219	0.6216	0.5497	110 - 120		
130	0.6690	0.7290	0.7970	0.7130	0.6455	0.7130	0.7970	0.7290	120 - 130		
140	0.7647	0.9084	0.9323	0.8526	0.7490	0.8526	0.9323	0.9084	130 - 140		
150	0.8605	1.040	1.020	0.9401	0.8525	0.9401	1.020	1.040	140 - 150		
160	0.9800	1.112	1.155	1.024	0.9718	1.024	1.155	1.112	150 - 160		
170	1.123	1.203	1.243	1.096	1.108	1.096	1.243	1.203	160 - 170		
180	1.283	1.247	1.394	1.255	1.251	1.255	1.394	1.247	170 - 180		

Height	E avg, E max	Angle: 121.29 deg	Diameter
0.3m	245.5, 1023 lx		106.68cm
2m	5.523, 23.01 lx		711.17cm
3m	2.455, 10.23 lx		1066.76cm
4m	1.381, 5.752 lx		1422.35cm
5m	0.8837, 3.681 lx		1777.94cm
6m	0.6137, 2.556 lx		2133.52cm
7m	0.4509, 1.878 lx		2489.11cm
8m	0.3452, 1.438 lx		2844.70cm
9m	0.2727, 1.136 lx		3200.28cm
10m	0.2209, 0.9203 lx		3555.87cm

Green

SKU: SA-LS-GR-3528-600-24V



AVERAGE BEAM ANGLE (50%): 129.7 DEG

UNIT: cd

— C0 / 180, 128.0 — C60 / 240, 130.7
— C30 / 210, 130.0 — C90 / 270, 130.2

DEG.		Luminous Intensity: cd								DEG.	
g	C0	C45	C90	C135	C180	C225	C270	C315	g		
10	259.9	261.0	260.8	260.8	259.8	260.8	260.8	261.0	0 - 10		
20	251.5	253.2	252.6	252.1	250.4	252.1	252.6	253.2	10 - 20		
30	236.8	239.4	238.2	236.8	233.7	236.8	238.2	239.4	20 - 30		
40	215.2	220.2	217.7	215.9	210.7	215.9	217.7	220.2	30 - 40		
50	187.9	194.3	190.6	189.0	181.2	189.0	190.6	194.3	40 - 50		
60	153.8	159.6	155.0	153.0	144.3	153.0	155.0	159.6	50 - 60		
70	106.1	109.8	105.1	101.5	93.51	101.5	105.1	109.8	60 - 70		
80	48.81	50.61	47.71	42.98	37.44	42.98	47.71	50.61	70 - 80		
90	2.091	7.626	6.820	4.661	1.780	4.661	6.820	7.626	80 - 90		
100	0.8119	0.7811	0.8373	0.8682	0.9870	0.8682	0.8373	0.7811	90 - 100		
110	1.521	1.438	1.578	1.542	1.736	1.542	1.578	1.438	100 - 110		
120	2.103	2.115	2.263	2.175	2.247	2.175	2.263	2.115	110 - 120		
130	2.485	2.633	2.789	2.721	2.565	2.721	2.789	2.633	120 - 130		
140	2.764	3.091	3.116	3.068	2.804	3.068	3.116	3.091	130 - 140		
150	3.004	3.402	3.355	3.247	3.043	3.247	3.355	3.402	140 - 150		
160	3.306	3.629	3.681	3.366	3.322	3.366	3.681	3.629	150 - 160		
170	3.075	3.872	3.976	3.593	3.697	3.593	3.976	3.872	160 - 170		
180	4.088	4.088	4.438	4.092	4.056	4.092	4.438	4.088	170 - 180		

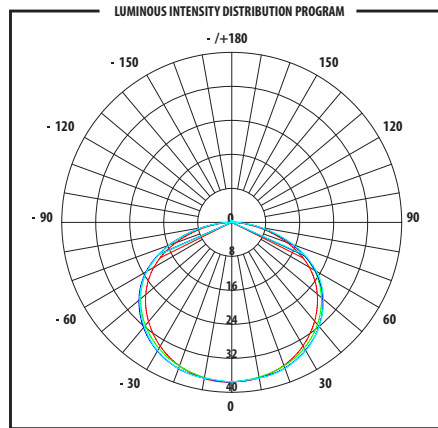
Height	E avg, E max	Angle: 128.01 deg	Diameter
0.3m	566.0, 2919 lx		123.04cm
2m	12.73, 65.67 lx		820.29cm
3m	5.660, 29.19 lx		1230.43cm
4m	3.184, 16.42 lx		1640.57cm
5m	2.038, 10.51 lx		2050.71cm
6m	1.415, 7.297 lx		2460.86cm
7m	1.040, 5.361 lx		2871.00cm
8m	0.7959, 4.104 lx		3281.14cm
9m	0.6289, 3.243 lx		3691.28cm
10m	0.5094, 2.627 lx		4101.43cm

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

3528 WATERPROOF 48W LED STRIP LIGHT PHOTOMETRICS

Blue

SKU: SA-LS-BL-3528-600-24V



AVERAGE BEAM ANGLE (50%): 130.6 DEG

UNIT: cd

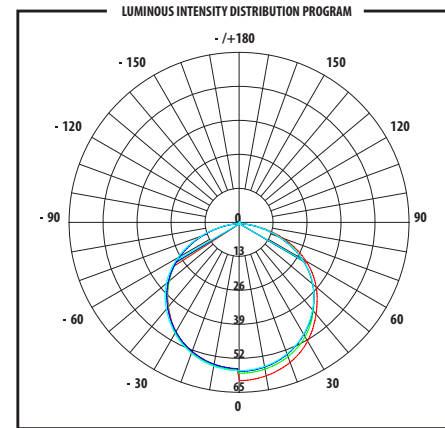
C0 / 180, 127.1 C60 / 240, 131.7
 C30 / 210, 131.5 C90 / 270, 132.1

DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	37.27	37.18	37.31	37.22	37.38	37.22	37.31	37.18	0 - 10
20	35.96	36.40	36.70	36.49	36.05	36.49	36.70	36.40	10 - 20
30	33.67	34.69	34.98	34.84	33.73	34.84	34.98	34.69	20 - 30
40	30.47	31.92	32.12	32.21	30.54	32.21	32.12	31.92	30 - 40
50	26.40	28.04	28.30	28.55	26.47	28.55	28.30	28.04	40 - 50
60	21.15	22.76	23.10	23.44	21.20	23.44	23.10	22.76	50 - 60
70	13.96	15.27	15.57	15.86	14.01	15.86	15.57	15.27	60 - 70
80	5.801	6.646	6.965	6.897	5.817	6.897	6.965	6.646	70 - 80
90	0.1953	0.6779	0.7227	0.5784	0.0831	0.5784	0.7227	0.6779	80 - 90
100	0	0.0159	0.0240	0.0120	0	0.0120	0.0240	0.0159	90 - 100
110	0.0955	0.0876	0.1355	0.0916	0.1033	0.0916	0.1355	0.0876	100 - 110
120	0.1355	0.1912	0.2470	0.1951	0.1434	0.1951	0.2470	0.1912	110 - 120
130	0.2229	0.2709	0.3268	0.2749	0.2151	0.2749	0.3268	0.2709	120 - 130
140	0.2388	0.3266	0.3746	0.3226	0.2311	0.3226	0.3746	0.3266	130 - 140
150	0.2708	0.3904	0.4222	0.3546	0.2708	0.3546	0.4222	0.3904	140 - 150
160	0.3586	0.4024	0.4542	0.3864	0.3586	0.3864	0.4542	0.4024	150 - 160
170	0.3665	0.4303	0.4860	0.3984	0.3666	0.3984	0.4860	0.4303	160 - 170
180	0.4781	0.4900	0.4781	0.4980	0.4701	0.4980	0.4781	0.4900	170 - 180

Height	E avg, E max	Angle: 127.11 deg	Diameter
0.3m	88.59, 419.1 lx		120.63cm
2m	1.993, 9.430 lx		804.19cm
3m	0.8859, 4.191 lx		1206.29cm
4m	0.4983, 2.357 lx		1608.38cm
5m	0.3189, 1.509 lx		2010.48cm
6m	0.2215, 1.048 lx		2412.57cm
7m	0.1627, 0.7698 lx		2814.67cm
8m	0.1246, 0.5894 lx		3216.76cm
9m	0.0984, 0.4657 lx		3618.86cm
10m	0.0797, 0.3772 lx		4020.95cm

Amber

SKU: SA-LS-AM-3528-600-24V



AVERAGE BEAM ANGLE (50%): 118.3 DEG

UNIT: cd

C0 / 180, 116.9 C60 / 240, 118.6
 C30 / 210, 117.8 C90 / 270, 119.9

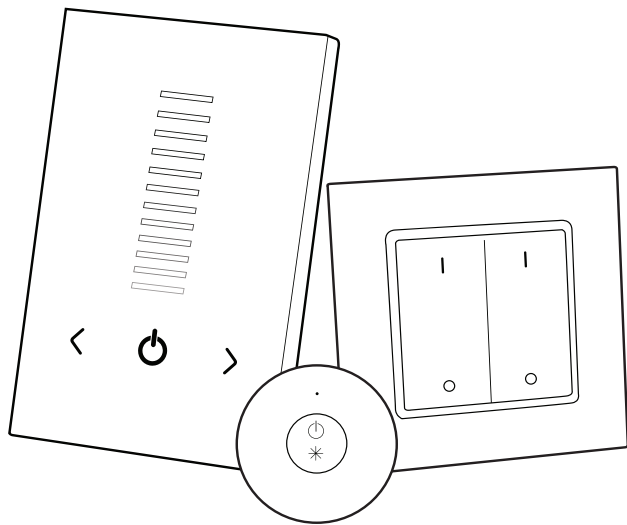
DEG.	Luminous Intensity: cd								DEG.
g	C0	C45	C90	C135	C180	C225	C270	C315	g
10	59.77	56.77	56.11	55.54	55.41	55.54	56.11	56.77	0 - 10
20	57.19	54.36	53.64	53.13	53.01	53.13	53.64	54.36	10 - 20
30	52.62	50.23	49.52	49.03	48.82	49.03	49.52	50.23	20 - 30
40	46.07	44.31	43.95	43.10	42.76	43.10	43.95	44.31	30 - 40
50	38.87	36.98	37.22	35.83	35.98	35.83	37.22	36.98	40 - 50
60	30.22	28.19	28.44	27.22	27.84	27.22	28.44	28.19	50 - 60
70	19.52	17.77	17.89	17.13	17.78	17.13	17.89	17.77	60 - 70
80	8.139	7.284	7.275	6.937	7.174	6.937	7.275	7.284	70 - 80
90	0.2202	0.6340	0.9540	0.8133	0.0822	0.8133	0.9540	0.6340	80 - 90
100	0	0.0280	0.0718	0.0598	0	0.0598	0.0718	0.0280	90 - 100
110	0.1353	0.1474	0.2073	0.1514	0.1274	0.1514	0.2073	0.1474	100 - 110
120	0.2627	0.2868	0.3427	0.2789	0.2469	0.2789	0.3427	0.2868	110 - 120
130	0.3586	0.4063	0.4703	0.4063	0.3426	0.4063	0.4703	0.4063	120 - 130
140	0.4063	0.5259	0.5419	0.5060	0.3904	0.5060	0.5419	0.5259	130 - 140
150	0.4781	0.5896	0.5977	0.5339	0.4860	0.5339	0.5977	0.5896	140 - 150
160	0.5972	0.6415	0.6773	0.5697	0.5178	0.5697	0.6773	0.6415	150 - 160
170	0.6453	0.6932	0.7331	0.6295	0.6055	0.6295	0.7331	0.6932	160 - 170
180	0.7330	0.7530	0.7569	0.7530	0.7330	0.7530	0.7569	0.7530	170 - 180

Height	E avg, E max	Angle: 115.98 deg	Diameter
0.3m	178.6, 675.3 lx		95.99cm
2m	4.018, 15.19 lx		639.94cm
3m	1.786, 6.753 lx		959.92cm
4m	1.004, 3.799 lx		1279.89cm
5m	0.6428, 2.431 lx		1602.35cm
6m	0.4464, 1.688 lx		1599.86cm
7m	0.3280, 1.240 lx		1919.83cm
8m	0.2511, 0.9497 lx		2239.80cm
9m	0.1984, 0.7504 lx		2879.75cm
10m	0.1607, 0.6078 lx		3199.72cm

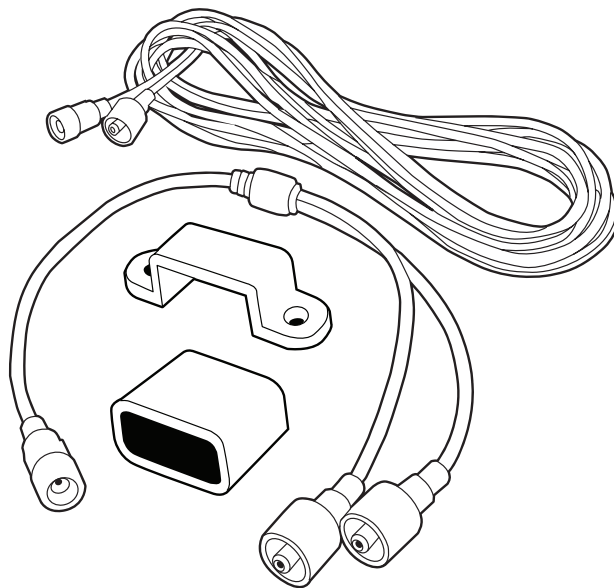
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

3528 WATERPROOF 48W LED STRIP LIGHT ACCESSORIES

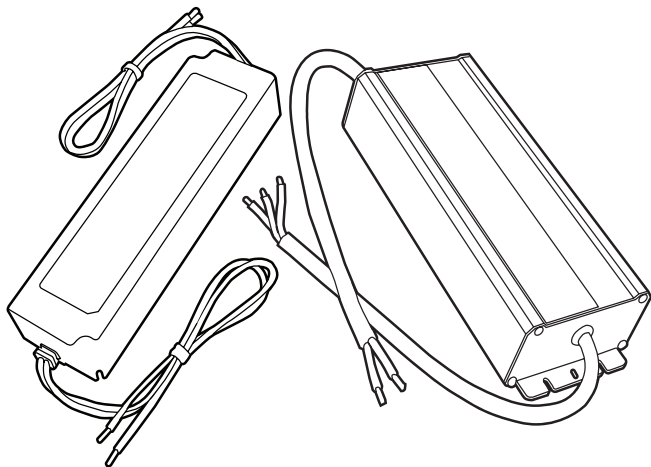
Dimmers



LED Strip Connectors



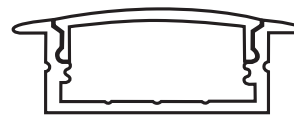
Power Supplies



LED Strip Channels



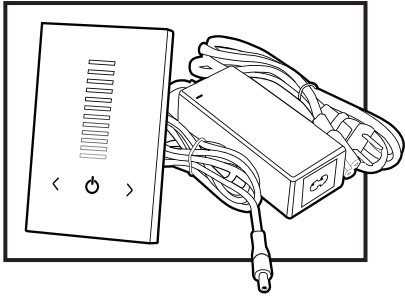
T12



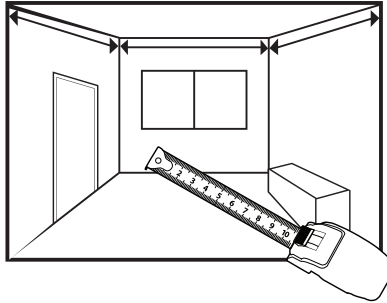
T20

3528 WATERPROOF 48W LED STRIP LIGHT INSTALLATION GUIDE

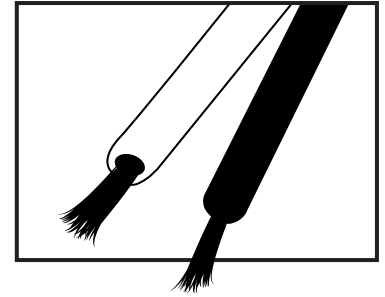
1. Determine where to install the Driver and optional Dimmer.



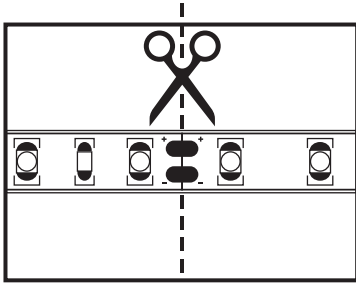
2. Determine the measurement of area where LED Strip Lights will be placed.



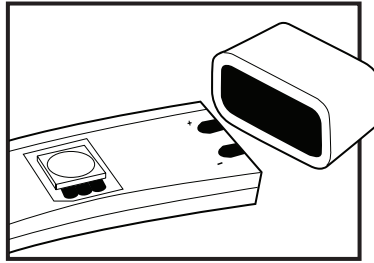
3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).



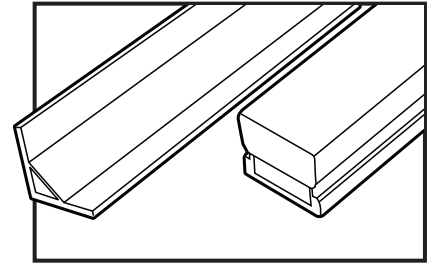
4. A. Cut LED Strip Lights (at cutting points) to fit or Join multiple Strips as recommended to cover installation area.



- B. If strip is cut, ensure proper re-waterproofing with an Endcap and silicon glue.



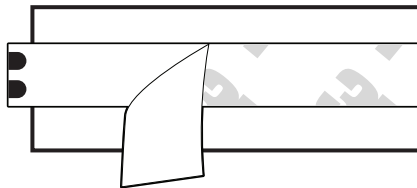
5. If using Channels, cut or extend them to fit size of the installation area



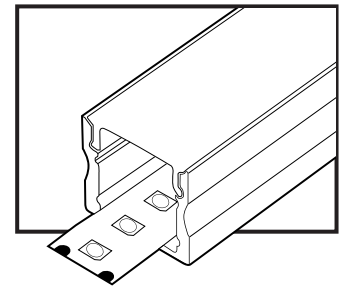
6. Thoroughly clean the surface where the LED Strip will be mounted.



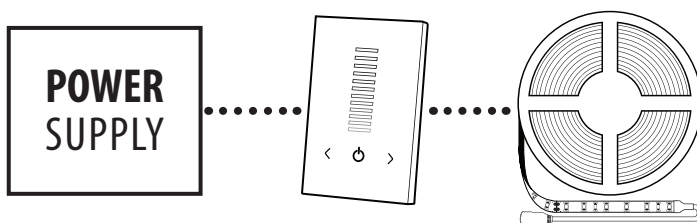
7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.



- 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.

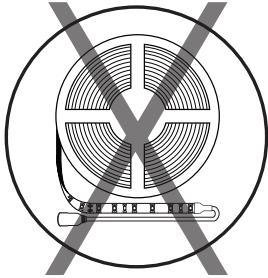


9. Power up and enjoy!

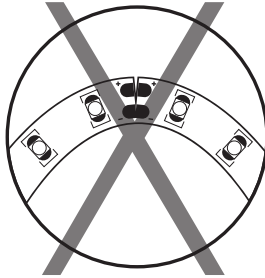
Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

3528 WATERPROOF 48W LED STRIP LIGHT WARNINGS

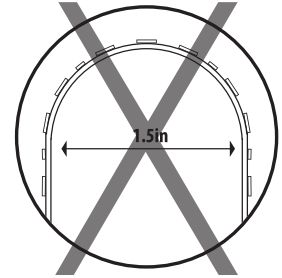
Do not power LED Strip still coiled in spool.



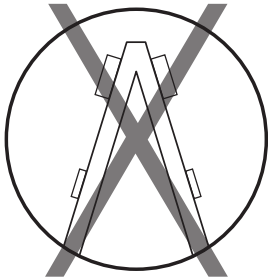
Do not bend LED Strip sideways.



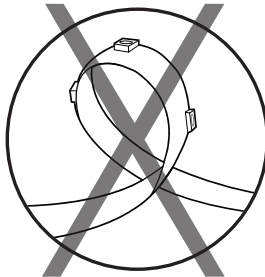
Do not bend LED strips to a diameter less than 1.5 inches.



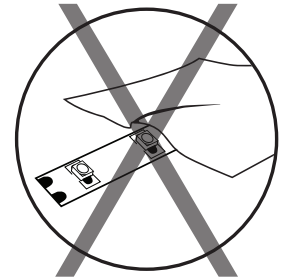
Do not fold or crease LED Strip.



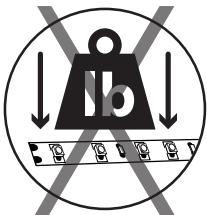
Do not twist LED Strip.



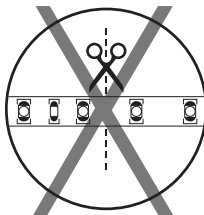
Do not cover LED Strip with anything other than LED Channel Diffusers.



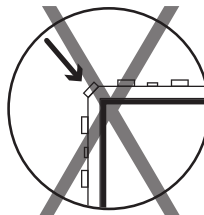
Do not put direct excessive pressure on the LED surface.



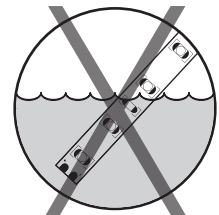
Do not cut LED Strips except at designated cutting points.



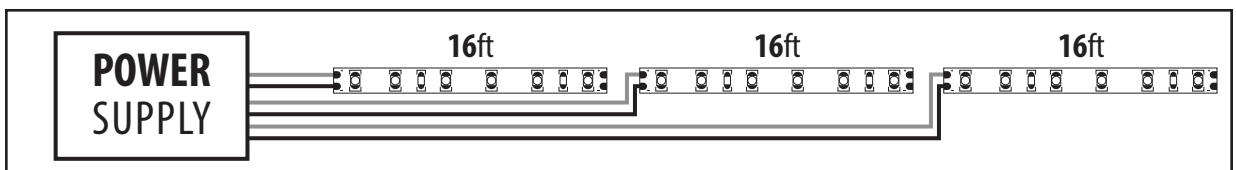
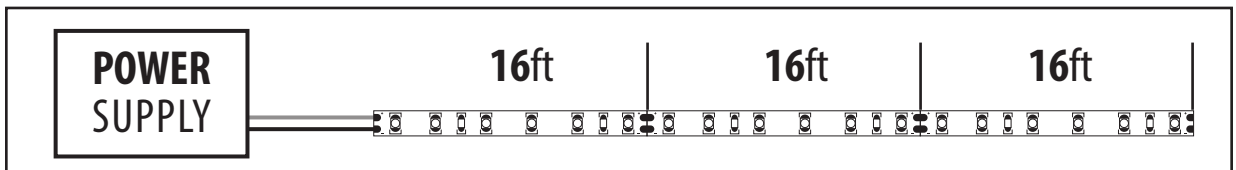
Do not position LED at an angled surface where it is pressed.



Do not submerge LED Strip Lights.



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



3528 WATERPROOF 48W LED STRIP LIGHT SAFETY & WARRANTY

Safety / Disclosures

1. Install in accordance with the proper installation procedure (See pg. 8).
2. Install in accordance with your national or local electrical code regulations.
3. Suitable for wet locations (IP67 Rated).
4. Do not expose to heat more than the specified Temperature ratings.
5. Only install with the required Driver/Power Supply – 24V DC Constant Voltage Driver.
6. Use a separate power feed for each recommended maximum run.
7. Only use cables that are certified for use with external connection of electrical equipment and rated for at least 80°C (176°F)
8. Do not mishandle product or modify beyond the guidelines given as this may void product Warranty.
9. Only use with the recommended waterproof accessories and ensure complete waterproofing of any modified sections of the Strip.
10. Only use the recommended waterproof 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 **3528** Waterproof 48W 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.