

SMD COB TAPE LIGHT

24V DC Spec Grade COB seamless tape light

SMD COB Tape Light features uniform illumination without the need for additional diffused covers or accessories. Featuring a premium seamless line of light making it an ideal solution for areas with low clearance or reflective surfaces to eliminate virtually all dotting or spot-glare effects.

- Seamless COB design that eliminates virtually all LED dotting
- Available in 2700K, 3000K, 3500K, 4000K, and 5000K
- 90+ color rendering index
- Lumen output ranging from 670Lm to 730Lm per foot
- Cuttable every 1.31" (33mm) with 16.4ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 coated
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- cULus Listed for indoor dry / damp (IP54) locations
- 35,000 hours rated life



PROJECT: _____

TYPE: _____

LOCATION: _____

CATALOG NUMBER: _____



SPTL-SCOB SERIES QUICK SPECS

VOLTAGE	24V DC
WATTAGE	5.85W / ft
LUMENS	Up to 730Lm / ft
CCT OPTIONS	2700K / 3000K / 3500K / 4000K / 5000K
CRI	90+
MAX RUN	16.4ft
CUTTING POINTS	every 1.31"
IP RATING	IP54 - Coated
DIMMING	5-100% (Requires Secondary Side Controller)
DIMENSIONS	0.39" (10mm) W x 0.06" (1.65mm) H
BEAM ANGLE	120°
OPERATING TEMP	5°C (41°F) to 70°C (158°F)
CERTIFICATIONS	cULus Listed - Dry / Damp Locations
RATED LIFE	35,000 Hours

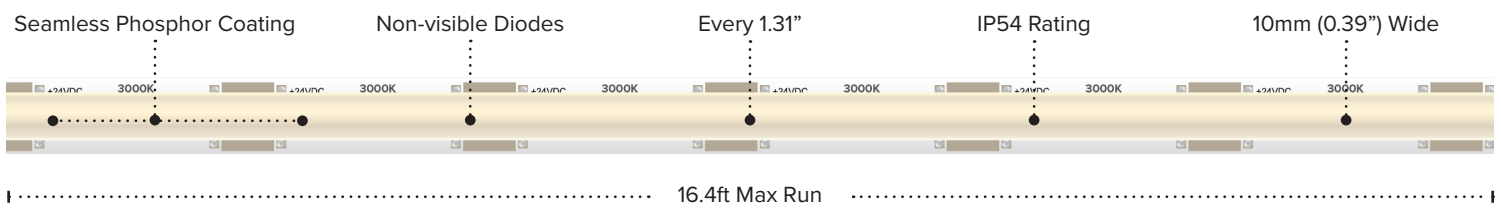
SPTL-SCOB SERIES IP RATINGS



IP54 (Coated)

Features a light nano-coating applied to the tape light and LED's that protects from moisture and dust.
Best suited: Indoor dry & damp locations

SPTL-SCOB SERIES QUICK LOOK



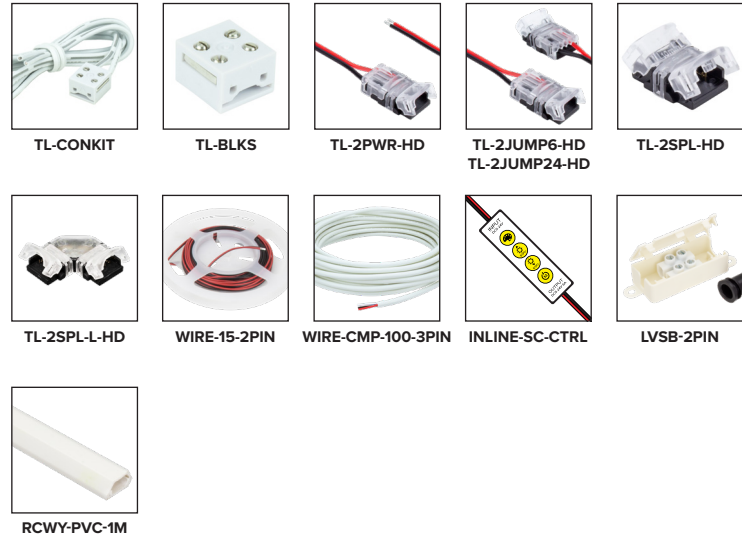
SPTL-SCOB SERIES ORDERING INFORMATION

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
SPTL-SCOB-UWW-16	24V DC	2700K	16.4 ft	670Lm / ft	5.85W / ft	IP54	90+	1.31"	16.4 ft
SPTL-SCOB-WW-16	24V DC	3000K	16.4 ft	700Lm / ft	5.85W / ft	IP54	90+	1.31"	16.4 ft
SPTL-SCOB-NW-16	24V DC	3500K	16.4 ft	720Lm / ft	5.85W / ft	IP54	90+	1.31"	16.4 ft
SPTL-SCOB-WH-16	24V DC	4000K	16.4 ft	730Lm / ft	5.85W / ft	IP54	90+	1.31"	16.4 ft
SPTL-SCOB-CW-16	24V DC	5000K	16.4 ft	730Lm / ft	5.85W / ft	IP54	90+	1.31"	16.4 ft

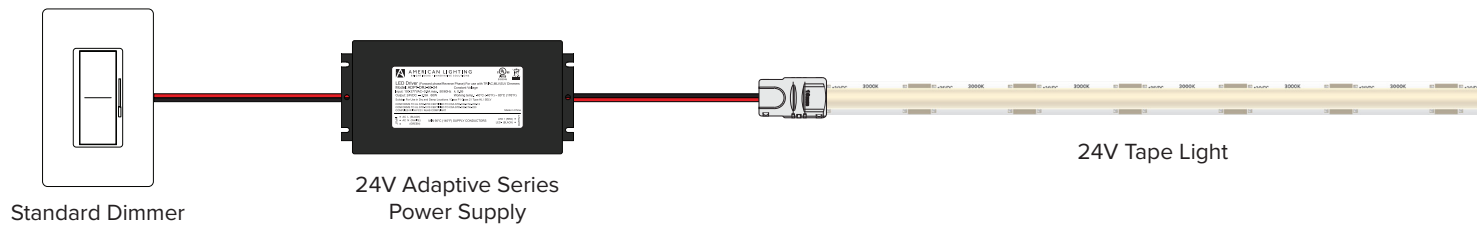
16.4ft Reels (IP54) Include: 6ft lead, 6ft tail, (1) TL-CONKIT, (2) TL-BLKS, (2) TL-2PWR-HD

HTMR-COB SERIES ACCESSORIES

ITEM NUMBER	DESCRIPTION
TL-CONKIT	6' Trulink 4-in-1 Connection Kit
TL-BLKS	Trulink 4-in-1 Connector Block (QTY 10)
TL-2PWR-HD	6' HD Power Feed (IP54)
TL-2JUMP6-HD	6" HD Linking Cable
TL-2JUMP24-HD	24" HD Linking Cable
TL-2SPL-HD	HD Tape to Tape Splice Connector
TL-2SPL-L-HD	90° "L" HD Tape to Tape Splice Connector (IP54)
WIRE-15-2PIN	15ft (20/2) Wire Spool
WIRE-CMP-100-3PIN	100ft (16/3) In-wall Rated Wire Spool
INLINE-SC-CTRL	Simple Select In-line Controller (Single Color)
LVSB-2PIN	In-Line Splice Terminal Block
RCWY-PVC-1M	1m Plastic Wire Cover Raceway (White)



SPTL-SCOB SERIES QUICK SET-UP



RECOMMENDED POWER SUPPLIES

ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
ADPT-DRJ-30-24	Adaptive Series 30W	30W / 3W	100-277V AC	24V	Yes*	6.49"L x 3.6"W x 1.02"H
ADPT-DRJ-60-24	Adaptive Series 60W	60W / 6W	100-277V AC	24V	Yes*	7.4"L x 3.6"W x 1.02"H
ADPT-DRJ-96-24	Adaptive Series 96W	96W / 9.6W	100-277V AC	24V	Yes*	8.66"L x 3.6"W x 1.61"H
ADPT-DRJ-192-24	Adaptive Series 192W (2 x 96W)	192W / 19.2W	100-277V AC	24V	Yes*	10.94"L x 4.25"W x 1.8"H
ADPT-DRJ-288-24	Adaptive Series 288W (3 x 96W)	288W / 28.8W	100-277V AC	24V	Yes*	11.85"L x 4.25"W x 1.8"H

Phase Dimming Compatible With Most MLV, ELV, and TRIAC Dimmers

SPTL-COBS SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)
1	33.5	1.32	0.11
2	67	2.64	0.22
3	100.5	3.96	0.33
4	134	5.28	0.44
5	167.5	6.59	0.55
6	201	7.91	0.66
7	234.5	9.23	0.77
8	268	10.55	0.88
9	301.5	11.87	0.99
10	335	13.19	1.10
11	368.5	14.51	1.21
12	402	15.83	1.32
13	435.5	17.15	1.43
14	469	18.46	1.54
15	502.5	19.78	1.65
16	536	21.10	1.76
17	569.5	22.42	1.87
18	603	23.74	1.98
19	636.5	25.06	2.09
20	670	26.38	2.20
21	703.5	27.70	2.31
22	737	29.02	2.42
23	770.5	30.33	2.53
24	804	31.65	2.64
25	837.5	32.97	2.75
26	871	34.29	2.86
27	904.5	35.61	2.97
28	938	36.93	3.08
29	971.5	38.25	3.19
30	1005	39.57	3.30
31	1038.5	40.89	3.41
32	1072	42.20	3.52
33	1105.5	43.52	3.63
34	1139	44.84	3.74
35	1172.5	46.16	3.85
36	1206	47.48	3.96
37	1239.5	48.80	4.07
38	1273	50.12	4.18
39	1306.5	51.44	4.29
40	1340	52.76	4.40
41	1373.5	54.07	4.51
42	1407	55.39	4.62
43	1440.5	56.71	4.73
44	1474	58.03	4.84
45	1507.5	59.35	4.95
46	1541	60.67	5.06
47	1574.5	61.99	5.17
48	1608	63.31	5.28
49	1641.5	64.63	5.39
50	1675	65.94	5.50

Segment	Length (MM)	Length (Inches)	Length (Feet)
51	1708.5	67.26	5.61
52	1742	68.58	5.72
53	1775.5	69.90	5.83
54	1809	71.22	5.94
55	1842.5	72.54	6.04
56	1876	73.86	6.15
57	1909.5	75.18	6.26
58	1943	76.50	6.37
59	1976.5	77.81	6.48
60	2010	79.13	6.59
61	2043.5	80.45	6.70
62	2077	81.77	6.81
63	2110.5	83.09	6.92
64	2144	84.41	7.03
65	2177.5	85.73	7.14
66	2211	87.05	7.25
67	2244.5	88.37	7.36
68	2278	89.69	7.47
69	2311.5	91.00	7.58
70	2345	92.32	7.69
71	2378.5	93.64	7.80
72	2412	94.96	7.91
73	2445.5	96.28	8.02
74	2479	97.60	8.13
75	2512.5	98.92	8.24
76	2546	100.24	8.35
77	2579.5	101.56	8.46
78	2613	102.87	8.57
79	2646.5	104.19	8.68
80	2680	105.51	8.79
81	2713.5	106.83	8.90
82	2747	108.15	9.01
83	2780.5	109.47	9.12
84	2814	110.79	9.23
85	2847.5	112.11	9.34
86	2881	113.43	9.45
87	2914.5	114.74	9.56
88	2948	116.06	9.67
89	2981.5	117.38	9.78
90	3015	118.70	9.89
91	3048.5	120.02	10.00
92	3082	121.34	10.11
93	3115.5	122.66	10.22
94	3149	123.98	10.33
95	3182.5	125.30	10.44
96	3216	126.61	10.55
97	3249.5	127.93	10.66
98	3283	129.25	10.77
99	3316.5	130.57	10.88
100	3350	131.89	10.99

Segment	Length (MM)	Length (Inches)	Length (Feet)
101	3383.5	133.21	11.10
102	3417	134.53	11.21
103	3450.5	135.85	11.32
104	3484	137.17	11.43
105	3517.5	138.48	11.54
106	3551	139.80	11.65
107	3584.5	141.12	11.76
108	3618	142.44	11.87
109	3651.5	143.76	11.98
110	3685	145.08	12.09
111	3718.5	146.40	12.20
112	3752	147.72	12.31
113	3785.5	149.04	12.42
114	3819	150.35	12.53
115	3852.5	151.67	12.64
116	3886	152.99	12.75
117	3919.5	154.31	12.86
118	3953	155.63	12.97
119	3986.5	156.95	13.08
120	4020	158.27	13.19
121	4053.5	159.59	13.30
122	4087	160.91	13.41
123	4120.5	162.22	13.52
124	4154	163.54	13.63
125	4187.5	164.86	13.74
126	4221	166.18	13.85
127	4254.5	167.50	13.96
128	4288	168.82	14.07
129	4321.5	170.14	14.18
130	4355	171.46	14.29
131	4388.5	172.78	14.40
132	4422	174.09	14.51
133	4455.5	175.41	14.62
134	4489	176.73	14.73
135	4522.5	178.05	14.84
136	4556	179.37	14.95
137	4589.5	180.69	15.06
138	4623	182.01	15.17
139	4656.5	183.33	15.28
140	4690	184.65	15.39
141	4723.5	185.96	15.50
142	4757	187.28	15.61
143	4790.5	188.60	15.72
144	4824	189.92	15.83
145	4857.5	191.24	15.94
146	4891	192.56	16.05
147	4924.5	193.88	16.16
148	4958	195.20	16.27
149	4991.5	196.52	16.38

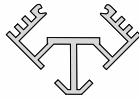
COMPATIBLE MOUNTING CHANNELS 10mm



ECONOMY

EE1-AAFR

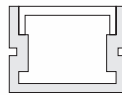
Dimensions: 5/8" (16mm) W
x 1/4" (7mm) H



ECONOMY 45

EE45-AAFR

Dimensions: 3/4" (19mm) W
x 3/4" (19mm) H



UNIVERSAL

PE-AA2 / PE-UNV

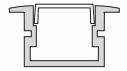
Dimensions: 16/25" (16mm) W
x 47/100" (12mm) H



UNIVERSAL MINI

PE-AA1 / PE-UNV MINI

Dimensions: 19/32" (15mm) W
x 1/4" (6mm) H



DOUBLE FLANGE

PE-AA2DF

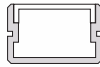
Dimensions: 5/8" (16mm) W
x 7/16" (11mm) H



MINI DOUBLE FLANGE

PE-AA1DF

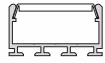
Dimensions: 19/32" (15mm) W
x 5/32" (4mm) H



GT

PE-GT

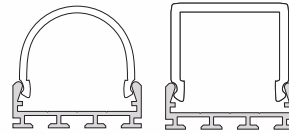
Dimensions: 3/4" (19mm) W
x 1/2" (12mm) H



GTX

PE-GTX

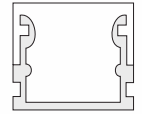
Dimensions: 1" (26mm) W
x 9/16" (14.5mm) H



TURBO

PE-TURBO2

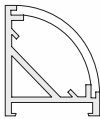
Dimensions: 1" (26mm) W x 1" (25mm) H



TRACE

PE-TRACE

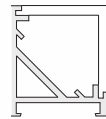
Dimensions: 13/16" (21mm) W
x 13/16" (21mm) H



RADIUS

PE-RAD

Dimensions: 25/32" (20mm) W
x 29/32" (23mm) H



RUBIK

PE-RUBIK

Dimensions: 29/32" (23mm) W
x 25/32" (20mm) H



STANT

PE-SSTANT

Dimensions: 1-3/16" (30mm) W
x 1/4" (7mm) H



TRIPLE STANT

PE-3STANT

Dimensions: 2-11/32" (59mm) W
x 3/8" (9mm) H



DYAD

PE-DYAD

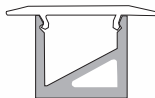
Dimensions: 1.35" (34.2mm) W
x 0.47" (12mm) H



CAMBER

PE-CMBR

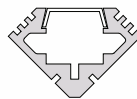
Dimensions: 0.71" (18mm) W x
0.23" (5.7mm) H



BEVEL 28

PE-B28

Dimensions: .47" (12mm) W
x .47" (12mm) H



PREMIUM 45

PE-AA45

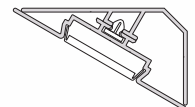
Dimensions: 3/4" (19mm) W
x 3/4" (19mm) H



PRO 45

PE-PRO45

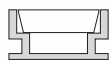
Dimensions: 1-3/16" (30mm) W
x 7/16" (10mm) H



PRO 30

PE-PRO30

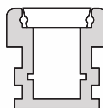
Dimensions: 1-13/16" (46mm) W
x 1-1/16" (27mm) H



HELM

PE-HELM

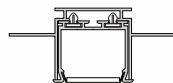
Dimensions: 13/16" (20mm) W
x 11/32" (8.5mm) H



PAVER

PE-PAVER

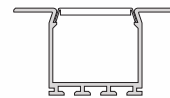
Dimensions: 1" (26mm) W
x 1" (26mm) H



MINI FLANGE SLOT

PE-SLOT

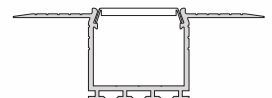
Dimensions: 1-3/16" (30mm) W
x 15/16" (24mm) H



STANDARD FLANGE SLOT

PE-DFSLOT

Dimensions: 1" (25mm) W
x 15/16" (24mm) H



INVISIBLE SLOT

PE-INVSLT

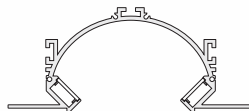
Dimensions: 1-1/16" (27mm) W
x 15/16" (24mm) H



VERGE

PE-VERGE

Dimensions: 4.85" (123.83mm) W
x 25/64" (10mm) H



ARC

PE-ARC

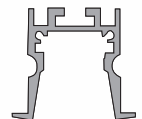
Dimensions: 4-13/16" (122.4mm) W
x 2" (50.8mm) H



SCOOP WW

PE-SWW

Dimensions: .54" (13.59mm) W
x 3.79" (96mm) H



REGAL REGRESS

PE-REG

Dimensions: 1.16" (29.49mm) W
x 1.03" (26.25mm) H

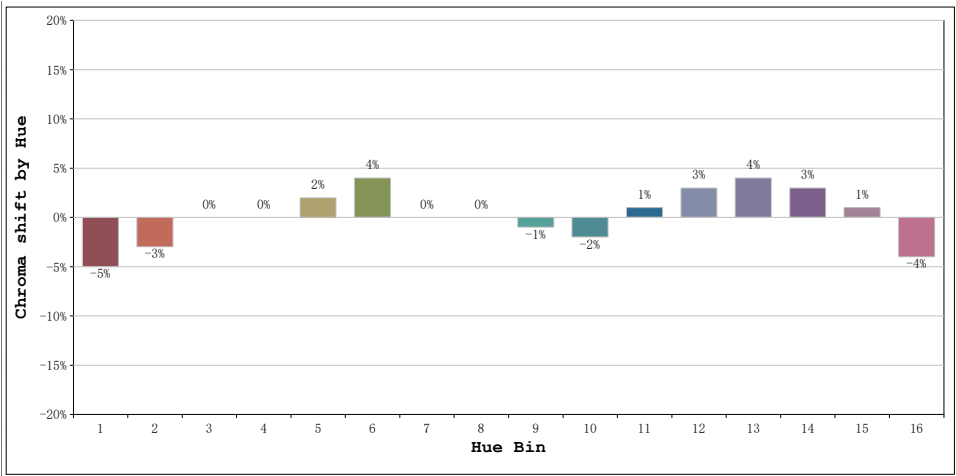
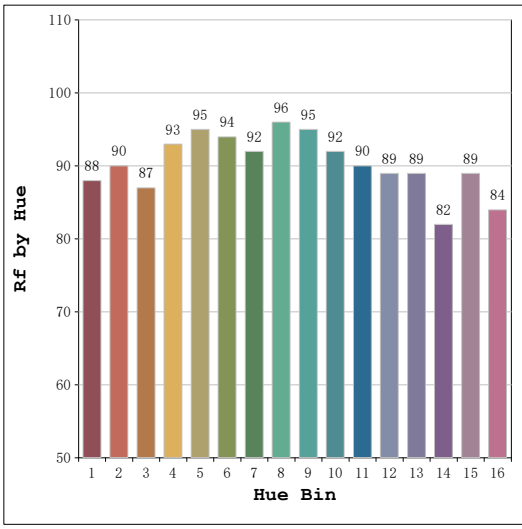
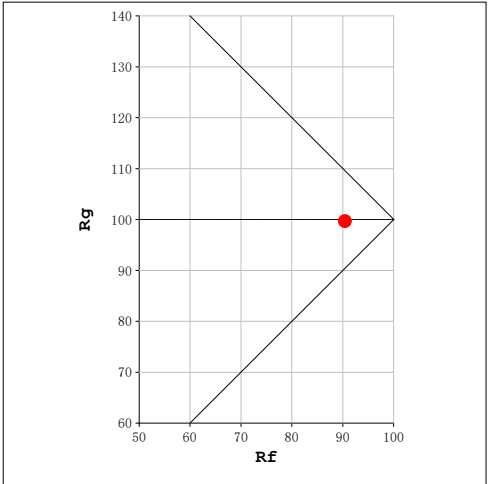
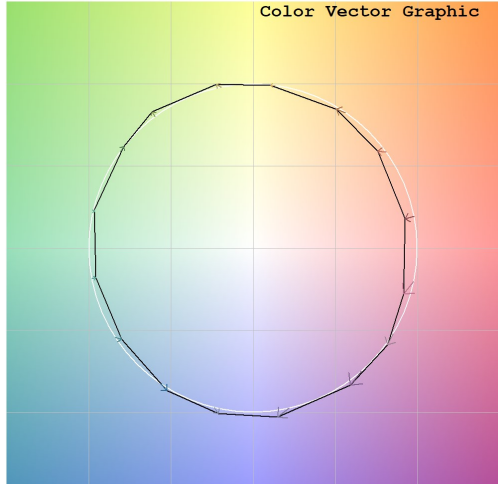
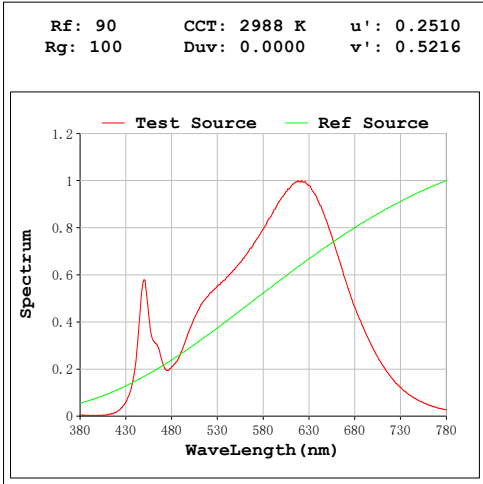


STRUT:

PE-STRUT

Dimensions: 5/8" (15.5mm) W
x 1-3/8" (29.89mm) H

SPTL-SCOB TM-30 DATA - 3000K



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	88	-5	0
2	22.5° - 45.0°	90	-3	3
3	45.0° - 67.5°	87	0	6
4	67.5° - 90.0°	93	0	3
5	90.0° - 112.5°	95	2	3
6	112.5° - 135.0°	94	4	0
7	135.0° - 157.5°	92	0	-3
8	157.5° - 180.0°	96	0	-1
9	180.0° - 202.5°	95	-1	0
10	202.5° - 225.0°	92	-2	3
11	225.0° - 247.5°	90	1	6
12	247.5° - 270.0°	89	3	3
13	270.0° - 292.5°	89	4	-7
14	292.5° - 315.0°	82	3	-9
15	315.0° - 337.5°	89	1	-6
16	337.5° - 360.0°	84	-4	-7



AMERICAN LIGHTING WARRANTY

LIMITED WARRANTY FOR LED PRODUCTS: 5 YEARS

AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point at which 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.

Warranty life based on average 8 hours/day use, 7 days/week. Product should be cycled off for at least 6 hours per day.

SAFETY

You must disconnect lighting products from the power supply before servicing or replacing bulbs. Only qualified personnel should install and perform service on lighting products. Periodic inspection and maintenance is required to keep equipment operating properly and at peak performance. Do not mount fixtures on or adjacent to combustible materials.

Lighting products may present a possible shock or fire hazard if improperly installed or attached in any way. Products should always be installed in accordance with their instruction manuals, current electrical codes, and/or the current National Electric Code (NEC). Code compliance is the sole responsibility of the person, company, or party performing the installation of product. Failure to comply with national and/or regional safety codes may result in hazardous or dangerous conditions, damage to property or life, and/or altered product performance/specifications.

LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed on the reverse by product category. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for any product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty. Limited Product Warranty applies to lengths up to 75 feet for rope light products.

STANDARD LINEAR WARRANTY

Rope light and linear lighting products in all their various types and shapes, whether LED or incandescent, are wired in series parallel. This means that several individual lamps or LEDs are wired together in series to equal 12V, 24V or 120V. Then these sections are wired together (in parallel) to light up in unison. If one solder joint, lamp or resistor fails, a whole section will not light. Due to the number of elements involved, and the numerous extenuating circumstances beyond our control, American Lighting Inc offers a Standard Linear Warranty on most linear lighting products. The limited liability warranty is listed above, however the Standard Linear Warranty offers replacement product by section due to defective material and/or workmanship for one year beginning from the date of shipment from American Lighting Inc's warehouse to the original purchaser.

USE OF LINEAR LIGHTING IN OUTDOOR APPLICATIONS

Incandescent rope light and LED Flexbrite UL 2388 custom cuts; incandescent and LED Flexbrite pre-packaged kits; and UL Listed (special order) cuts of LED Neon Flexbrite Plus and Economy have factory assembled power connections and end caps that seal the rope from moisture. Due to strict quality control standards, American Lighting is able to offer a limited warranty on these items rather than the standard linear lighting warranty that replaces product by defective section only. For outdoor applications, best practices include using kits interconnected (same length kits are best for color control of White LED Flexbrite) or using custom cuts that do not exceed 75 feet.

For all linear lighting categories, any non-rated field connection made in an outdoor application should be properly sealed with dielectric grease covering all conductive materials; and properly installed power connections and end caps, sealed with dielectric grease, silicone, and heat shrink tube. However, since non-rated (field executed) power connections of linear lighting products cannot be quality controlled, and outdoor use of non-rated product is not recommended, American Lighting cannot warrant the product to any purchaser.

PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit www.americanlighting.com. Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary.

LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% additional product for a project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.