

SPEC ECO SERIES

24V DC Low Wattage Spec Tape Light

A new and improved version of specification grade tape light, Spec Eco tape light offers up to 640 lumens per foot while only consuming 5.8W per foot. The superior light output is best used in large open spaces in both residential and commercial applications and is available in multiple color temps with maximum runs lengths up to 16.4 feet.

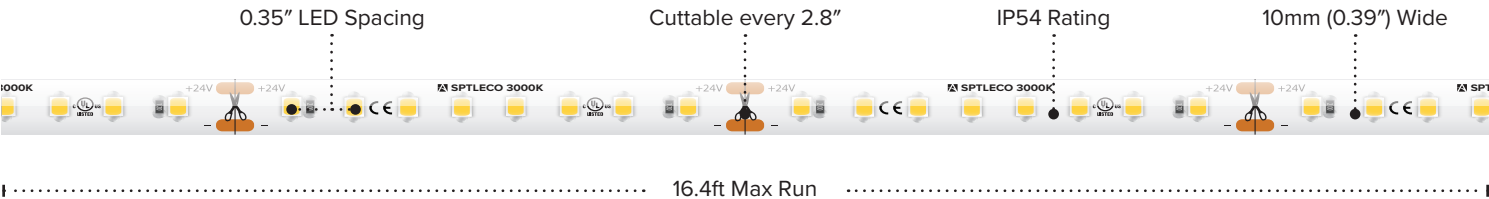
- Specification grade output performance
- Available in 2700K, 3000K, 3500K, and 4000K
- Up to 96+ color rendering index
- Lumen output ranging from 556Lm to 640Lm per foot
- Cuttable every 2.8" with 16.4ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 rating
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- cULus Listed for indoor dry/damp locations
- 50,000 hours rated life
- Meets the strict and rigorous JA8 compliance guidelines to qualify as a "High Efficiency" luminaire



SPEC ECO SERIES QUICK SPECS

VOLTAGE	24V DC
WATTAGE	5.8W/ft
LUMENS	Up to 640Lm/ft
CCT OPTIONS	2700K/3000K/3500K/4000K
CRI	96+
MAX RUN	16.4ft (5m)
CUTTING POINTS	2.8" (71.1mm)
IP RATING	IP54
DIMMING	PWM (5-100%)
DIMENSIONS	0.39" (10mm) W x 0.09" (2.5mm) H
BEAM ANGLE	120°
OPERATING TEMP	5°C (41°F) to 70°C (158°F)
CERTIFICATIONS	cETLus Listed - Dry/Damp Location
RATED LIFE	50,000 Hours

SPEC ECO SERIES QUICK LOOK



PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



SPEC ECO SERIES IP RATING



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

SPEC ECO ORDERING INFORMATION

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
SPTLECO-UWW	24V DC	2700K	16.4 ft	556Lm/ft	5.8W/ft	IP54	96+	2.8" (71mm)	16.4 ft
SPTLECO-WW	24V DC	3000K	16.4 ft	585Lm/ft	5.8W/ft	IP54	96+	2.8" (71mm)	16.4 ft
SPTLECO-NW	24V DC	3500K	16.4 ft	615Lm/ft	5.8W/ft	IP54	96+	2.8" (71mm)	16.4 ft
SPTLECO-WH	24V DC	4000K	16.4 ft	640Lm/ft	5.8W/ft	IP54	96+	2.8" (71mm)	16.4 ft

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

SPEC ECO 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)



TL-CONKIT



TL-BLKS



TL-2PWR-HD



TL-2JUMP6-HD
TL-2JUMP24-HD



TL-2SPL-HD



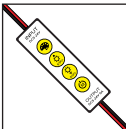
TL-2SPL-L-HD



WIRE-15-2PIN



WIRE-CMP-100-3PIN



INLINE-SC-CTRL

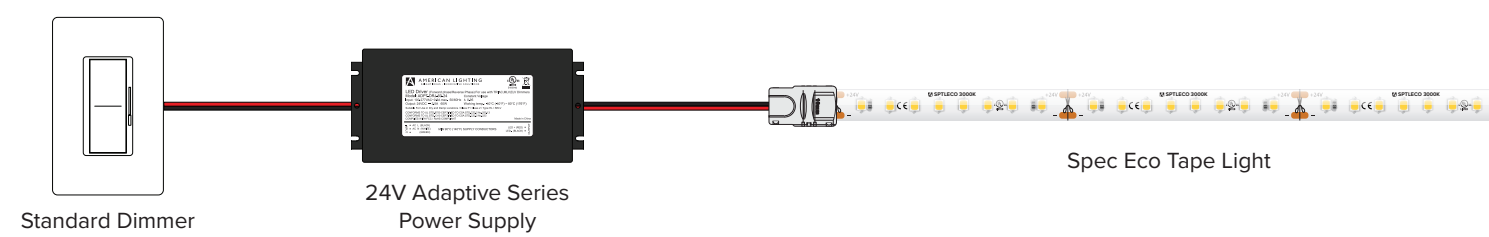


LVSB-2PIN



RCWY-PVC-1M

SPEC ECO 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 DC	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 DC	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 DC	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 DC	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 DC	Yes*	11.85"L x 4.25"W x 1.8"H

SPEC ECO SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)
1	71	2.8	0.23
2	142	5.6	0.47
3	213	8.4	0.70
4	284	11.2	0.93
5	355	14	1.17
6	426	16.8	1.40
7	497	19.6	1.63
8	568	22.4	1.87
9	639	25.2	2.10
10	710	28	2.33
11	781	30.8	2.57
12	852	33.6	2.80
13	923	36.4	3.03
14	994	39.2	3.27
15	1065	42	3.50
16	1136	44.8	3.73
17	1207	47.6	3.97
18	1278	50.4	4.20
19	1349	53.2	4.43
20	1420	56	4.67
21	1491	58.8	4.90
22	1562	61.6	5.13
23	1633	64.4	5.37
24	1704	67.2	5.60
25	1775	70	5.83
26	1846	72.8	6.07
27	1917	75.6	6.30
28	1988	78.4	6.53
29	2059	81.2	6.77
30	2130	84	7.00
31	2201	86.8	7.23
32	2272	89.6	7.47
33	2343	92.4	7.70
34	2414	95.2	7.93
35	2485	98	8.17
36	2556	100.8	8.40
37	2627	103.6	8.63
38	2698	106.4	8.87
39	2769	109.2	9.10
40	2840	112	9.33
41	2911	114.8	9.57
42	2982	117.6	9.80
43	3053	120.4	10.03
44	3124	123.2	10.27
45	3195	126	10.50
46	3266	128.8	10.73
47	3337	131.6	10.97
48	3408	134.4	11.20
49	3479	137.2	11.43
50	3550	140	11.67

Segment	Length (MM)	Length (Inches)	Length (Feet)
51	3621	142.8	11.90
52	3692	145.6	12.13
53	3763	148.4	12.37
54	3834	151.2	12.60
55	3905	154	12.83
56	3976	156.8	13.07
57	4047	159.6	13.30
58	4118	162.4	13.53
59	4189	165.2	13.77
60	4260	168	14.00
61	4331	170.8	14.23
62	4402	173.6	14.47
63	4473	176.4	14.70
64	4544	179.2	14.93
65	4615	182	15.17
66	4686	184.8	15.40
67	4757	187.6	15.63
68	4828	190.4	15.87
69	4899	193.2	16.10
70	4970	196	16.33
71	5041	198.8	16.57
72	5112	201.6	16.80
73	5183	204.4	17.03
74	5254	207.2	17.27
75	5325	210	17.50
76	5396	212.8	17.73
77	5467	215.6	17.97
78	5538	218.4	18.20
79	5609	221.2	18.43
80	5680	224	18.67
81	5751	226.8	18.90
82	5822	229.6	19.13
83	5893	232.4	19.37
84	5964	235.2	19.60
85	6035	238	19.83
86	6106	240.8	20.07
87	6177	243.6	20.30
88	6248	246.4	20.53
89	6319	249.2	20.77
90	6390	252	21.00
91	6461	254.8	21.23
92	6532	257.6	21.47
93	6603	260.4	21.70
94	6674	263.2	21.93
95	6745	266	22.17
96	6816	268.8	22.40
97	6887	271.6	22.63
98	6958	274.4	22.87
99	7029	277.2	23.10
100	7100	280	23.33

Segment	Length (MM)	Length (Inches)	Length (Feet)
101	7171	282.8	23.57
102	7242	285.6	23.80
103	7313	288.4	24.03
104	7384	291.2	24.27
105	7455	294	24.50
106	7526	296.8	24.73
107	7597	299.6	24.97
108	7668	302.4	25.20
109	7739	305.2	25.43
110	7810	308	25.67
111	7881	310.8	25.90
112	7952	313.6	26.13
113	8023	316.4	26.37
114	8094	319.2	26.60
115	8165	322	26.83
116	8236	324.8	27.07
117	8307	327.6	27.30
118	8378	330.4	27.53
119	8449	333.2	27.77
120	8520	336	28.00
121	8591	338.8	28.23
122	8662	341.6	28.47
123	8733	344.4	28.70
124	8804	347.2	28.93
125	8875	350	29.17
126	8946	352.8	29.40
127	9017	355.6	29.63
128	9088	358.4	29.87
129	9159	361.2	30.10
130	9230	364	30.33
131	9301	366.8	30.57
132	9372	369.6	30.80
133	9443	372.4	31.03
134	9514	375.2	31.27
135	9585	378	31.50
136	9656	380.8	31.73
137	9727	383.6	31.97
138	9798	386.4	32.20
139	9869	389.2	32.43
140	9940	392	32.67
141	10011	394.8	32.90

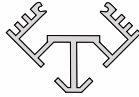
COMPATIBLE MOUNTING CHANNELS 10mm



ECONOMY

EE1-AAFR

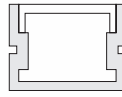
Dimensions: 5/8" (16mm) W
x 1/4" (7mm) H



ECONOMY 45

EE45-AAFR

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



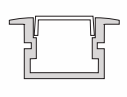
UNIVERSAL

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

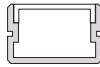
PE-AA2DF
Dimensions: 5/8" (16mm) W
x 7/16" (11mm) H



MINI DOUBLE FLANGE

PE-AA1DF

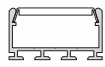
Dimensions: 19/32" (15mm) W
x 5/32" (4mm) H



GT

PE-GT

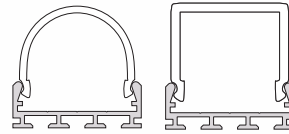
Dimensions: 3/4" (19mm) W
x 1/2" (12mm) H



GTX

PE-GTX

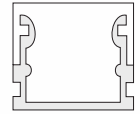
Dimensions: 1" (26mm) W
x 9/16" (14.5mm) H



TURBO

PE-TURBO2

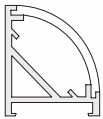
Dimensions: 1" (26mm) W x 1" (25mm) H



TRACE

PE-TRACE

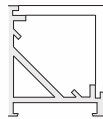
Dimensions: 13/16" (21mm) W
x 13/16" (21mm) H



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

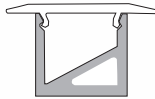
Dimensions: 1.35" (34.2mm) W
x 0.47" (12mm) H



CAMBER

PE-CMBR

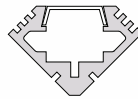
Dimensions: 0.71" (18mm) W x
0.23" (5.7mm) H



BEVEL 28

PE-B28

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



PREMIUM 45

PE-AA45

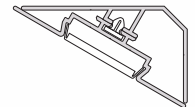
Dimensions: 3/4" (19mm) W
x 3/4" (19mm) H



PRO 45

PE-PRO45

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



PRO 30

PE-PRO30

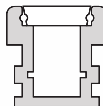
Dimensions: 1-13/16" (46mm) W
x 1-1/16" (27mm) H



HELM

PE-HELM

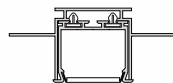
Dimensions: 13/16" (20mm) W
x 11/32" (8.5mm) H



PAVER

PE-PAVER

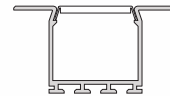
Dimensions: 1" (26mm) W
x 1" (26mm) H



MINI FLANGE SLOT

PE-SLOT

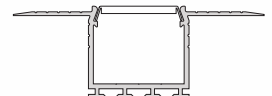
Dimensions: 1-3/16" (30mm) W
x 15/16" (24mm) H



STANDARD FLANGE SLOT

PE-DFSLOT

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



INVISIBLE SLOT

PE-INVSLT

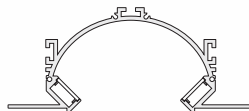
Dimensions: 1-1/16" (27mm) W
x 15/16" (24mm) H



VERGE

PE-VERGE

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



ARC

PE-ARC

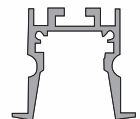
Dimensions: 4-13/16" (122.4mm) W
x 2" (50.8mm) H



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



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.