

RGBW SERIES TAPE LIGHT

24V DC Spec Grade RGB + 3000K

Alternating 3-in-1 LEDs with 3000K warm white LEDs provide a dynamic color range that extends passed traditional RGB. RGBW lighting combines RGB with white color mixing to create millions of color possibilities while maintaining even greater brightness and overall color saturation.

- RGB+3000K warm white color mixing capabilities
- Create millions of color combinations for impactful installations
- Features RGB LEDs with alternating 3000K LEDs
- Lumen output ranging up to 350Lm per foot
- Cuttable every 2.46" with 16.4ft max run
- Easy installation featuring 3M VHB adhesive backing
- IP54 coated
- Control via DMX for color and dimming (requires DMX receiver)
- cULus Listed damp locations
- 50,000 hours rated life



PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



SPTL-RGBW SERIES QUICK SPECS

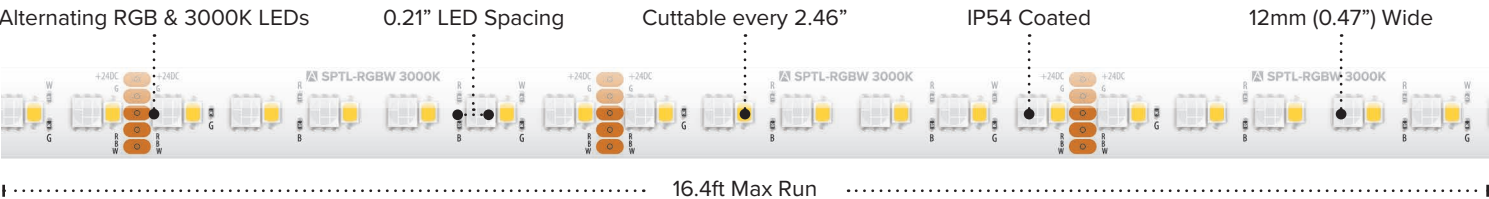
VOLTAGE	24V DC
WATTAGE	7W / ft
LUMENS	Up to 350Lm / ft
CCT OPTIONS	RGBW (3000K)
CRI	90+ (3000K)
MAX RUN	16.4ft
CUTTING POINTS	2.46" (62.5mm)
IP RATING	IP54 - Coated
DIMMING	5-100% (Requires Secondary Side Controller)
DIMENSIONS	0.47" (12mm) W x 0.06" (1.65mm) H
BEAM ANGLE	120°
OPERATING TEMP	-20°C (-4°F) to 40°C (104°F)
CERTIFICATIONS	cULus Listed - damp locations, FCC Compliant
RATED LIFE	50,000 Hours

SPTL-RGBW 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-RGBW SERIES QUICK LOOK



16.4ft Max Run

SPTL-RGBW SERIES ORDERING INFORMATION

Custom Cut Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
SPTL-RGBW	24V DC	RGBW	16.4 ft	350Lm / ft	7W / ft	IP54	90+(White only)	2.46" (62.5mm)	16.4ft

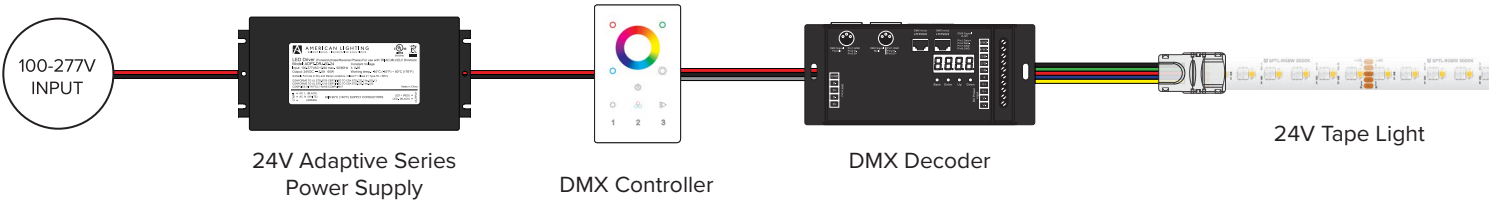
Includes: 6ft lead, 6ft tail, (2) TL-5PWR-HD

SPTL-RGBW SERIES ACCESSORIES

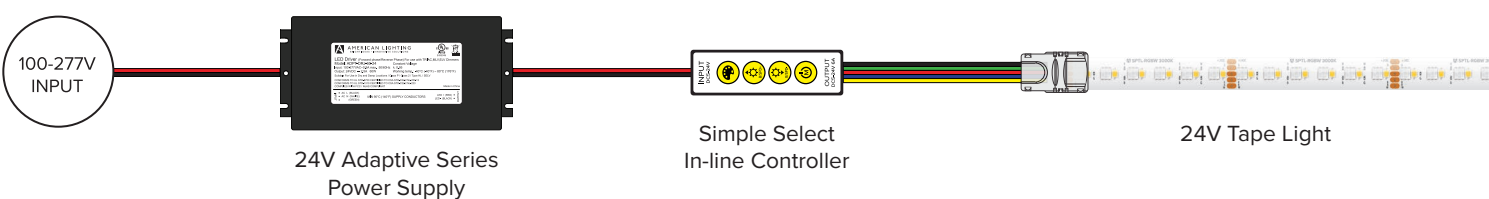
ITEM NUMBER	DESCRIPTION
TL-5PWR-HD	6' HD Power Feed (IP54)
TL-5SPL-HD	HD Splice (IP54)
TL-5JUMP6-HD	6" HD Linking Cable (IP54)
TL-5JUMP24-HD	24" HD Linking Cable (IP54)
WIRE-15-5PIN	15ft (20/5) Wire Spool
WIRE-CMP-100-6PIN	100ft (16/6) In-wall Rated Wire Spool
INLINE-RGBW-CTRL	Simple Select In-line Controller (RGBW)
RCWY-PVC-1M	1m Plastic Wire Cover Raceway



SPTL-RGBW SERIES DMX QUICK SET-UP



SPTL-RGBW SERIES SIMPLE SELECT 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-RGBW SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inch)	Length (Feet)
1	62.5	2.46	0.21
2	125	4.92	0.41
3	187.5	7.38	0.62
4	250	9.84	0.82
5	312.5	12.3	1.03
6	375	14.76	1.23
7	437.5	17.22	1.44
8	500	19.68	1.64
9	562.5	22.14	1.85
10	625	24.6	2.05
11	687.5	27.06	2.26
12	750	29.52	2.46
13	812.5	31.98	2.67
14	875	34.44	2.87
15	937.5	36.9	3.08
16	1000	39.36	3.28
17	1062.5	41.82	3.49
18	1125	44.28	3.69
19	1187.5	46.74	3.90
20	1250	49.2	4.10
21	1312.5	51.66	4.31
22	1375	54.12	4.51
23	1437.5	56.58	4.72
24	1500	59.04	4.92
25	1562.5	61.5	5.13
26	1625	63.96	5.33
27	1687.5	66.42	5.54
28	1750	68.88	5.74
29	1812.5	71.34	5.95
30	1875	73.8	6.15
31	1937.5	76.26	6.36
32	2000	78.72	6.56
33	2062.5	81.18	6.77
34	2125	83.64	6.97
35	2187.5	86.1	7.18
36	2250	88.56	7.38
37	2312.5	91.02	7.59
38	2375	93.48	7.79
39	2437.5	95.94	8.00
40	2500	98.4	8.20
41	2562.5	100.86	8.41
42	2625	103.32	8.61
43	2687.5	105.78	8.82
44	2750	108.24	9.02
45	2812.5	110.7	9.23
46	2875	113.16	9.43
47	2937.5	115.62	9.64
48	3000	118.08	9.84
49	3062.5	120.54	10.05
50	3125	123	10.25

Segment	Length (MM)	Length (Inch)	Length (Feet)
51	3187.5	125.46	10.46
52	3250	127.92	10.66
53	3312.5	130.38	10.87
54	3375	132.84	11.07
55	3437.5	135.3	11.28
56	3500	137.76	11.48
57	3562.5	140.22	11.69
58	3625	142.68	11.89
59	3687.5	145.14	12.10
60	3750	147.6	12.30
61	3812.5	150.06	12.51
62	3875	152.52	12.71
63	3937.5	154.98	12.92
64	4000	157.44	13.12
65	4062.5	159.9	13.33
66	4125	162.36	13.53
67	4187.5	164.82	13.74
68	4250	167.28	13.94
69	4312.5	169.74	14.15
70	4375	172.2	14.35
71	4437.5	174.66	14.56
72	4500	177.12	14.76
73	4562.5	179.58	14.97
74	4625	182.04	15.17
75	4687.5	184.5	15.38
76	4750	186.96	15.58
77	4812.5	189.42	15.79
78	4875	191.88	15.99
79	4937.5	194.34	16.20
80	5000	196.8	16.40
81	5062.5	199.26	16.61
82	5125	201.72	16.81
83	5187.5	204.18	17.02
84	5250	206.64	17.22
85	5312.5	209.1	17.43
86	5375	211.56	17.63
87	5437.5	214.02	17.84
88	5500	216.48	18.04
89	5562.5	218.94	18.25
90	5625	221.4	18.45
91	5687.5	223.86	18.66
92	5750	226.32	18.86
93	5812.5	228.78	19.07
94	5875	231.24	19.27
95	5937.5	233.7	19.48
96	6000	236.16	19.68
97	6062.5	238.62	19.89
98	6125	241.08	20.09
99	6187.5	243.54	20.30
100	6250	246	20.50

Segment	Length (MM)	Length (Inch)	Length (Feet)
101	6312.5	248.46	20.71
102	6375	250.92	20.91
103	6437.5	253.38	21.12
104	6500	255.84	21.32
105	6562.5	258.3	21.53
106	6625	260.76	21.73
107	6687.5	263.22	21.94
108	6750	265.68	22.14
109	6812.5	268.14	22.35
110	6875	270.6	22.55
111	6937.5	273.06	22.76
112	7000	275.52	22.96
113	7062.5	277.98	23.17
114	7125	280.44	23.37
115	7187.5	282.9	23.58
116	7250	285.36	23.78
117	7312.5	287.82	23.99
118	7375	290.28	24.19
119	7437.5	292.74	24.40
120	7500	295.2	24.60
121	7562.5	297.66	24.81
122	7625	300.12	25.01
123	7687.5	302.58	25.22
124	7750	305.04	25.42
125	7812.5	307.5	25.63
126	7875	309.96	25.83
127	7937.5	312.42	26.04
128	8000	314.88	26.24
129	8062.5	317.34	26.45
130	8125	319.8	26.65
131	8187.5	322.26	26.86
132	8250	324.72	27.06
133	8312.5	327.18	27.27
134	8375	329.64	27.47
135	8437.5	332.1	27.68
136	8500	334.56	27.88
137	8562.5	337.02	28.09
138	8625	339.48	28.29
139	8687.5	341.94	28.50
140	8750	344.4	28.70
141	8812.5	346.86	28.91
142	8875	349.32	29.11
143	8937.5	351.78	29.32
144	9000	354.24	29.52
145	9062.5	356.7	29.73
146	9125	359.16	29.93
147	9187.5	361.62	30.14
148	9250	364.08	30.34
149	9312.5	366.54	30.55
150	9375	369	30.75

Segment	Length (MM)	Length (Inch)	Length (Feet)
151	9437.5	371.46	30.96
152	9500	373.92	31.16
153	9562.5	376.38	31.37
154	9625	378.84	31.57
155	9687.5	381.3	31.78
156	9750	383.76	31.98
157	9812.5	386.22	32.19
158	9875	388.68	32.39
159	9937.5	391.14	32.60
160	10000	393.6	32.80

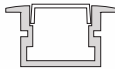
COMPATIBLE MOUNTING CHANNELS 12mm



ECONOMY

EE1-AAFR

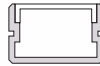
Dimensions: 5/8" (16mm) W
x 1/4" (7mm) H



DOUBLE FLANGE

PE-AA2DF

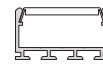
Dimensions: 5/8" (16mm) W
x 7/16" (11mm) H



GT

PE-GT

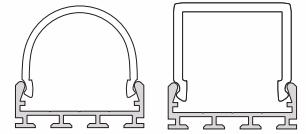
Dimensions: 3/4" (19mm) W
x 1/2" (12mm) H



GTX

PE-GTX

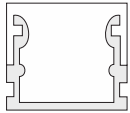
Dimensions: 1" (26mm) W
x 9/16" (14.5mm) H



TURBO

PE-TURBO2

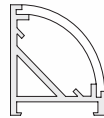
Dimensions: 1" (26mm) W x 1" (25mm) H



TRACE

PE-TRACE

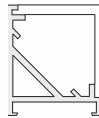
Dimensions: 13/16" (21mm) W
x 13/16" (21mm) H



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

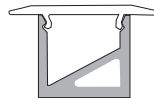
Dimensions: 1.35" (34.2mm) W
x 0.47" (12mm) H



CAMBER

PE-CMBR

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



BEVEL 28

PE-B28

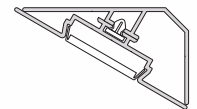
Dimensions: .47" (12mm) W
x .47" (12mm) H



PRO 45

PE-PRO45

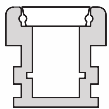
Dimensions: 1-3/16" (30mm) W
x 7/16" (10mm) H



PRO 30

PE-PRO30

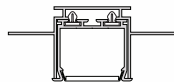
Dimensions: 1-13/16" (46mm) W
x 1-1/16" (27mm) H



PAVER

PE-PAVER

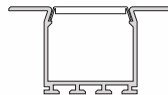
Dimensions: 1" (26mm) W
x 1" (26mm) H



MINI FLANGE SLOT

PE-SLOT

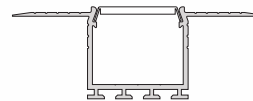
Dimensions: 1-3/16" (30mm) W
x 15/16" (24mm) H



STANDARD FLANGE SLOT

PE-DFSLOT

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



INVISIBLE SLOT

PE-INVSLT

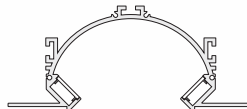
Dimensions: 1-1/16" (27mm) W
x 15/16" (24mm) H



VERGE

PE-VERGE

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



ARC

PE-ARC

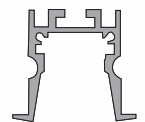
Dimensions: 4-13/16" (122.4mm) W
x 2" (50.8mm) H



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.