

# RGBTW SERIES TAPE LIGHT

## 24V RGB + Tunable CCT (2700-6000K)

RGB + Tunable CCT tape light is the ultimate solution in color changing RGB linear lighting technology. With RGBTW, not only do you have a virtually unlimited RGB palette of color combinations, you also have the ability to adjust true white light ranging from 2700K up to 6000K. Providing intense color saturation, transition effects, and fade to white lighting effects.

- Dynamic RGB+Tunable CCT color mixing capabilities
- Create millions of color combinations for impactful installations
- Features 3-in-1 RGB LEDs with alternating 2700K & 6000K LEDs
- Lumen output ranging up to 410Lm per foot
- Cuttable every 3.94" with 13.1ft max run
- Easy installation featuring 3M VHB adhesive backing
- IP54 rating featuring nano-coating protective layer
- Control via DMX for color and dimming (requires DMX receiver)
- cULus Listed for indoor dry/damp locations
- 50,000 hours rated life



PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

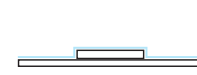
LOCATION: \_\_\_\_\_

CATALOG NUMBER: \_\_\_\_\_



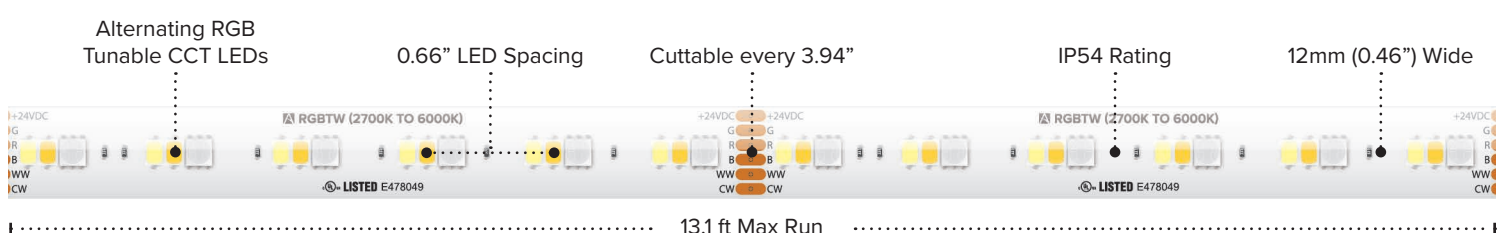
RGBTW SERIES QUICK SPECS	
VOLTAGE	24V
WATTAGE	7W / ft
LUMENS	Up to 410Lm / ft
CCT OPTIONS	RGB + 2700-6000K
CRI	90+
MAX RUN	13.1ft
CUTTING POINTS	3.94" (100mm)
IP RATING	IP54 - Coated
DIMMING	5-100% (Requires Secondary Side Controller)
DIMENSIONS	0.47" (12mm) W x 0.06" (1.65mm) H
BEAM ANGLE	120°
OPERATING TEMP	5°C (41°F) to 70°C (158°F)
CERTIFICATIONS	cULus Listed - Dry / Damp Location
RATED LIFE	50,000 Hours

### RGBTW 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

### RGBTW SERIES QUICK LOOK



**RGBTW SERIES CUSTOM CUT ORDERING** \*Custom Cut Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery\*

SERIES                      CCT                      LENGTH

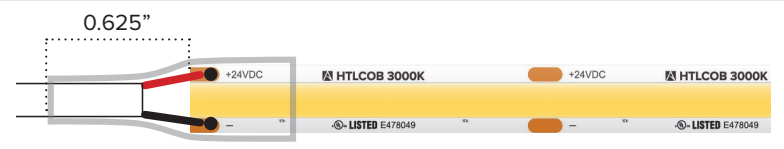
**SPTL**    –    **RGBTW**    –   

**Custom Cuts:** Specify desired length according to cut increment in INCHES. (See page 4 for cut increment chart). Assembly Fee per length of RGBTW Series Custom Cut. Custom orders are deemed Final Sale and are not able to be returned or refunded.

**RGBTW SERIES ASSEMBLY FEES**

ITEM NUMBER	DESCRIPTION
CC-LF-SPTL-RGBTW	Lead: 10ft Cable Conkit, Solder
CC-LTF-SPTL-RGBTW	Lead & Tail: 10ft Cable Conkit, Solder

**RGBTW SERIES CONKIT MEASUREMENT**

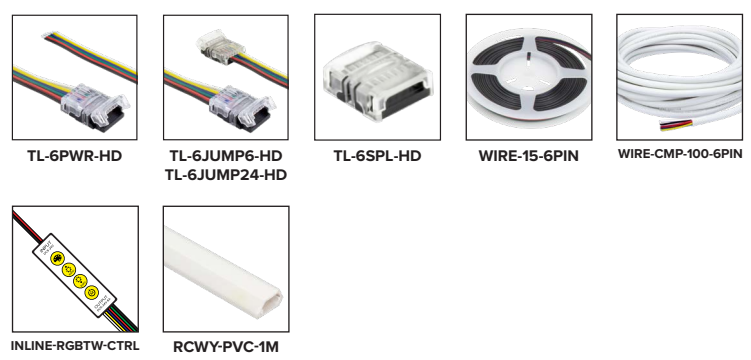


**RGBTW SERIES SPECIFICATION DETAILS**

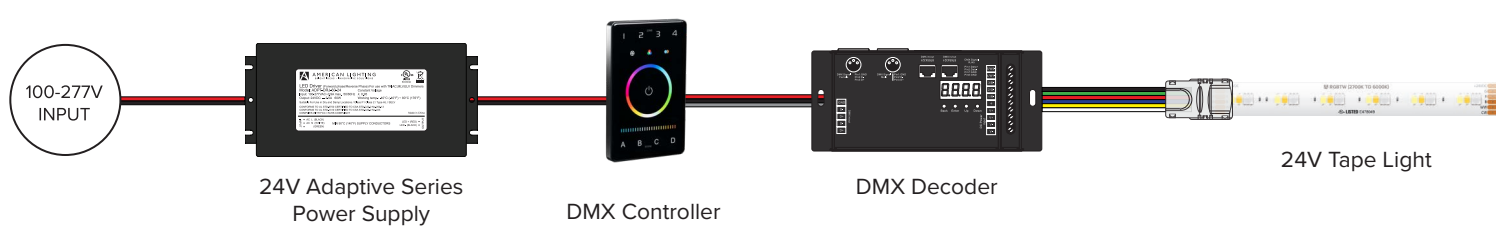
ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
SPTL-RGBTW-CC	24V	RGB + 2700-6000K	Custom Cut	410lm / ft	7W / ft	IP54	90+	3.94" (100mm)	13.1 ft

**RGBTW SERIES ACCESSORIES**

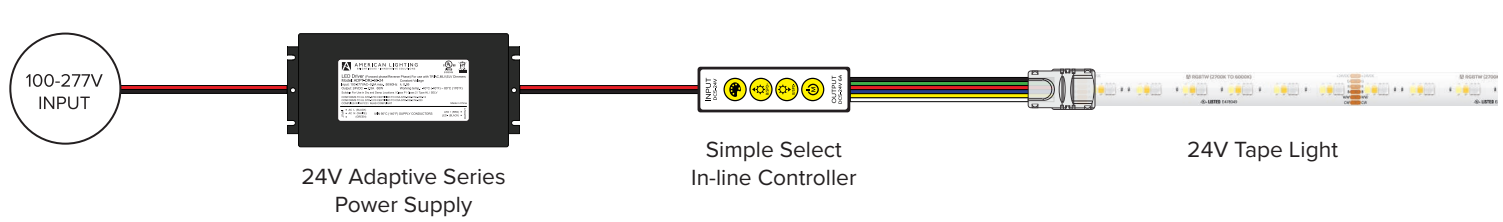
ITEM NUMBER	DESCRIPTION
TL-6PWR-HD	6' HD Power Feed (IP54)
TL-6SPL-HD	HD Splice (IP54)
TL-6JUMP6-HD	6" HD Linking Cable (IP54)
TL-6JUMP24-HD	24" HD Linking Cable (IP54)
WIRE-15-6PIN	15ft (20/6) Wire Spool
WIRE-CMP-100-6PIN	100ft (16/6) In-wall Rated Wire Spool
RCWY-PVC-1M	1m Plastic Wire Cover Raceway



**RGBTW DMX QUICK SET-UP**



**RGBTW SIMPLE SELECT QUICK SET-UP**



**RECOMMENDED POWER SUPPLIES**

ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
<b>ADPT-DRJ-30-24</b>	Adaptive Series 30W	30W / 3W	100-277V AC	24V	Yes*	6.49"L x 3.6"W x 1.02"H
<b>ADPT-DRJ-60-24</b>	Adaptive Series 60W	60W / 6W	100-277V AC	24V	Yes*	7.4"L x 3.6"W x 1.02"H
<b>ADPT-DRJ-96-24</b>	Adaptive Series 96W	96W / 9.6W	100-277V AC	24V	Yes*	8.66"L x 3.6"W x 1.61"H
<b>ADPT-DRJ-192-24</b>	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
<b>ADPT-DRJ-288-24</b>	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\*

**RGBTW SERIES CUT INCREMENT GUIDE**

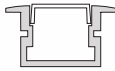
Segment	Length (MM)	Length (Inches)	Length (Feet)	Length Adder Conkit (Inches)	Total Overall Length - Lead Only (Inches)	Length Adder Conkit & Tail (Inches)	Total Overall Length - Lead & Tail (Inches)
1	100	3.94	0.33	0.625	4.56	1.25	5.19
2	200	7.87	0.66	0.625	8.50	1.25	9.12
3	300	11.81	0.98	0.625	12.44	1.25	13.06
4	400	15.75	1.31	0.625	16.37	1.25	17.00
5	500	19.69	1.64	0.625	20.31	1.25	20.94
6	600	23.62	1.97	0.625	24.25	1.25	24.87
7	700	27.56	2.30	0.625	28.18	1.25	28.81
8	800	31.50	2.62	0.625	32.12	1.25	32.75
9	900	35.43	2.95	0.625	36.06	1.25	36.68
10	1000	39.37	3.28	0.625	40.00	1.25	40.62
11	1100	43.31	3.61	0.625	43.93	1.25	44.56
12	1200	47.24	3.94	0.625	47.87	1.25	48.49
13	1300	51.18	4.27	0.625	51.81	1.25	52.43
14	1400	55.12	4.59	0.625	55.74	1.25	56.37
15	1500	59.06	4.92	0.625	59.68	1.25	60.31
16	1600	62.99	5.25	0.625	63.62	1.25	64.24
17	1700	66.93	5.58	0.625	67.55	1.25	68.18
18	1800	70.87	5.91	0.625	71.49	1.25	72.12
19	1900	74.80	6.23	0.625	75.43	1.25	76.05
20	2000	78.74	6.56	0.625	79.37	1.25	79.99
21	2100	82.68	6.89	0.625	83.30	1.25	83.93
22	2200	86.61	7.22	0.625	87.24	1.25	87.86
23	2300	90.55	7.55	0.625	91.18	1.25	91.80
24	2400	94.49	7.87	0.625	95.11	1.25	95.74
25	2500	98.43	8.20	0.625	99.05	1.25	99.68
26	2600	102.36	8.53	0.625	102.99	1.25	103.61
27	2700	106.30	8.86	0.625	106.92	1.25	107.55
28	2800	110.24	9.19	0.625	110.86	1.25	111.49
29	2900	114.17	9.51	0.625	114.80	1.25	115.42
30	3000	118.11	9.84	0.625	118.74	1.25	119.36
31	3100	122.05	10.17	0.625	122.67	1.25	123.30
32	3200	125.98	10.50	0.625	126.61	1.25	127.23
33	3300	129.92	10.83	0.625	130.55	1.25	131.17
34	3400	133.86	11.15	0.625	134.48	1.25	135.11
35	3500	137.80	11.48	0.625	138.42	1.25	139.05
36	3600	141.73	11.81	0.625	142.36	1.25	142.98
37	3700	145.67	12.14	0.625	146.29	1.25	146.92
38	3800	149.61	12.47	0.625	150.23	1.25	150.86
39	3900	153.54	12.80	0.625	154.17	1.25	154.79
40	4000	157.48	13.12	0.625	158.11	1.25	158.73

**COMPATIBLE MOUNTING CHANNELS 12mm**



**ECONOMY**

EE1-AAFR  
Dimensions: 5/8" (16mm) W  
x 1/4" (7mm) H



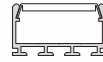
**DOUBLE FLANGE**  
PE-AA2DF

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



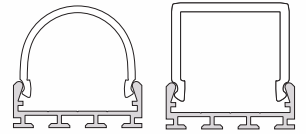
**GT**

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



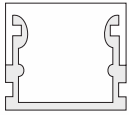
**GTX**  
PE-GTX

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



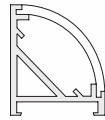
**TURBO**  
PE-TURBO2

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



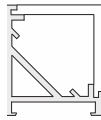
**TRACE**  
PE-TRACE

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



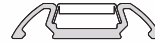
**RADIUS**  
PE-RAD

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



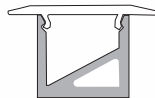
**DYAD**  
PE-DYAD

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



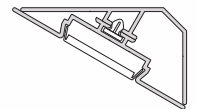
**BEVEL 28**  
PE-B28

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



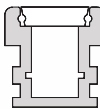
**PRO 45**  
PE-PRO45

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



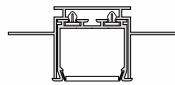
**PRO 30**  
PE-PRO30

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



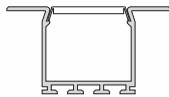
**PAVER**  
PE-PAVER

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



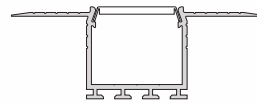
**MINI FLANGE SLOT**  
PE-SLOT

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



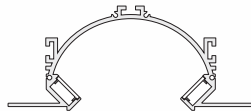
**INVISIBLE SLOT**  
PE-INVSLT

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



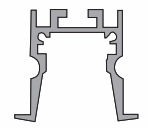
**ARC**  
PE-ARC

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](http://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.