

# RGBW SERIES TAPE LIGHT

## 24V DC High Output 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.

- Dynamic RGB+3000K warm white color mixing capabilities
- Create millions of color combinations for impactful installations
- Features 3-in-1 RGB LEDs with alternating 3000K LEDs
- Lumen output ranging up to 240Lm per foot
- Cuttable every 6.56" with 22ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 & IP65 rating options
- Control via DMX for color and dimming (requires DMX receiver)
- cULus Listed for indoor dry/damp, and wet locations
- 50,000 hours rated life



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

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

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

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



### HTL-RGBW SERIES QUICK SPECS

<b>VOLTAGE</b>	24V DC
<b>WATTAGE</b>	4.4W / ft
<b>LUMENS</b>	Up to 240Lm / ft
<b>CCT OPTIONS</b>	RGBW (3000K)
<b>CRI</b>	90+ (3000K)
<b>MAX RUN</b>	22ft
<b>CUTTING POINTS</b>	6.56" (166mm)
<b>IP RATING</b>	IP54 - Coated / IP65 - Jacketed
<b>DIMMING</b>	5-100% (Requires Secondary Side Controller)
<b>DIMENSIONS</b>	0.47" (12mm) W x 0.06" (1.65mm) H
<b>BEAM ANGLE</b>	120°
<b>OPERATING TEMP</b>	5°C (41°F) to 70°C (158°F)
<b>CERTIFICATIONS</b>	cULus Listed - Dry / Damp / Wet Location
<b>RATED LIFE</b>	50,000 Hours

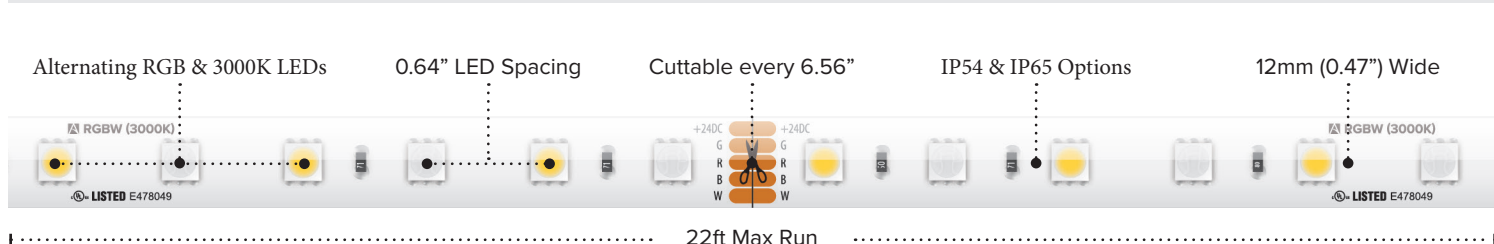
### HTL-RGBW SERIES IP RATINGS

**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

**IP65 (Jacketed)**  
 Features a clear protective silicone jacketing that protects the tape light from sprayed water and dust.  
**Best suited:** Indoor & Outdoor damp & wet locations

\*Not suitable for exposure to chemicals or salt.

### HTL-RGBW SERIES QUICK LOOK



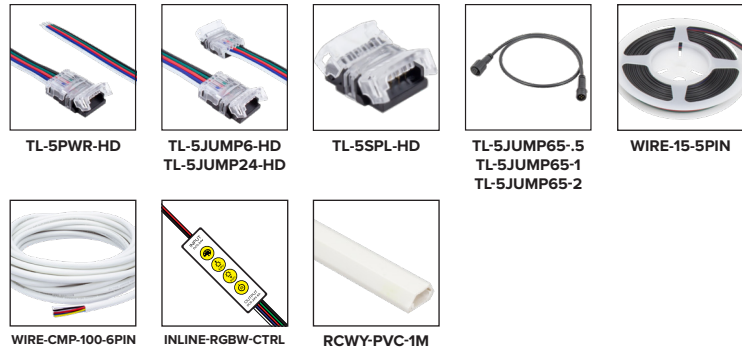
**HTL-RGBW SERIES ORDERING INFORMATION** \*Custom Cut Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery\*

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
<b>HTL-RGBW</b>	24V DC	RGBW	16.4 ft	240Lm / ft	4.4W / ft	IP54	90+	6.56" (166mm)	22 ft
<b>HTL65-RGBW</b>	24V DC	RGBW	16.4 ft	240Lm / ft	4.4W / ft	IP65	90+	6.56" (166mm)	22 ft
<b>HTL-RGBW-100</b>	24V DC	RGBW	100 ft	240Lm / ft	4.4W / ft	IP54	90+	6.56" (166mm)	22 ft

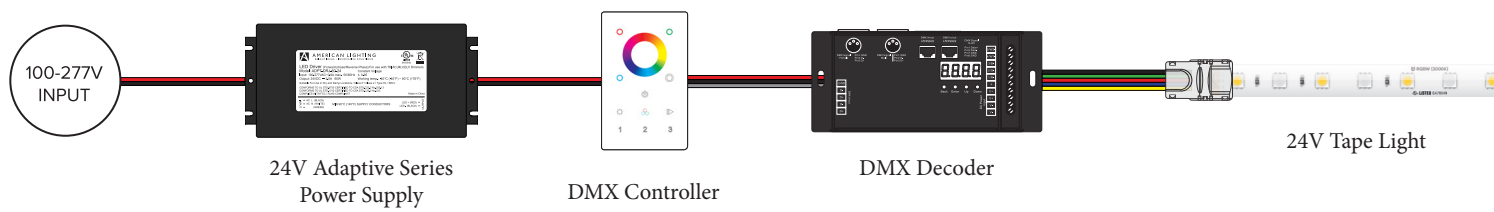
16.4ft Reels (IP54) Include: 6ft lead, 6ft tail, (2) TL-5PWR-HD  
 16.4ft Reels (IP65) Include: 2ft Lead +6" Conkit, 2ft Tail +6" Conkit, (2) TL-5PWR-HD  
 100ft Reels (IP54) Include: 6ft lead, 6ft tail, (3) TL-5PWR-HD

**HTL-RGBW SERIES ACCESSORIES**

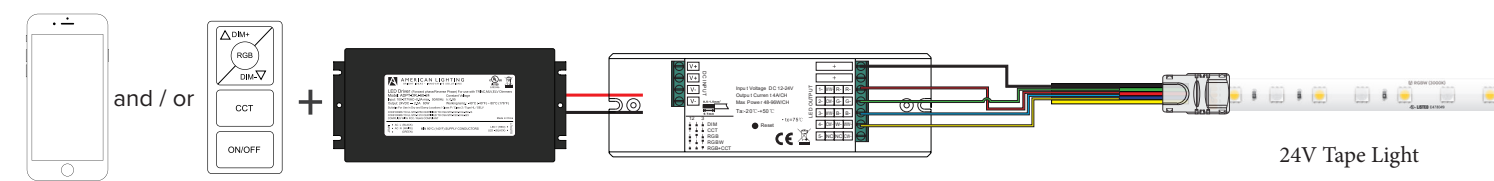
ITEM NUMBER	DESCRIPTION
<b>TL-5PWR-HD</b>	6' HD Power Feed (IP54)
<b>TL-5SPL-HD</b>	HD Splice (IP54)
<b>TL-5JUMP6-HD</b>	6" HD Linking Cable (IP54)
<b>TL-5JUMP24-HD</b>	24" HD Linking Cable (IP54)
<b>TL-5JUMP65-.5</b>	6" Linking Cable (IP65)
<b>TL-5JUMP65-1</b>	12" Linking Cable (IP65)
<b>TL-5JUMP65-2</b>	24" Linking Cable (IP65)
<b>WIRE-15-5PIN</b>	15ft (20/5) Wire Spool
<b>WIRE-CMP-100-6PIN</b>	100ft (16/6) In-wall Rated Wire Spool
<b>INLINE-RGBW-CTRL</b>	Simple Select In-line Controller (RGBW)
<b>RCWY-PVC-1M</b>	1m Plastic Wire Cover Raceway



**HTL-RGBW SERIES DMX QUICK SET-UP**



**HTL-RGBW SERIES SPEKTRUM+ SMART 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\*

### HTL-RGBW SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)
1	166	6.56	0.55
2	332	13.12	1.09
3	498	19.68	1.64
4	664	26.24	2.19
5	830	32.8	2.73
6	996	39.36	3.28
7	1162	45.92	3.83
8	1328	52.48	4.37
9	1494	59.04	4.92
10	1660	65.6	5.47
11	1826	72.16	6.01
12	1992	78.72	6.56
13	2158	85.28	7.11
14	2324	91.84	7.65
15	2490	98.4	8.20
16	2656	104.96	8.75
17	2822	111.52	9.29
18	2988	118.08	9.84
19	3154	124.64	10.39
20	3320	131.2	10.93
21	3486	137.76	11.48
22	3652	144.32	12.03
23	3818	150.88	12.57
24	3984	157.44	13.12
25	4150	164	13.67
26	4316	170.56	14.21
27	4482	177.12	14.76
28	4648	183.68	15.31
29	4814	190.24	15.85
30	4980	196.8	16.40

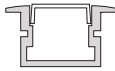
Segment	Length (MM)	Length (Inches)	Length (Feet)
31	5146	203.36	16.95
32	5312	209.92	17.49
33	5478	216.48	18.04
34	5644	223.04	18.59
35	5810	229.6	19.13
36	5976	236.16	19.68
37	6142	242.72	20.23
38	6308	249.28	20.77
39	6474	255.84	21.32
40	6640	262.4	21.87

**COMPATIBLE MOUNTING CHANNELS 12mm**



**ECONOMY**

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



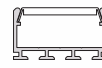
**DOUBLE FLANGE**  
PE-AA2DF

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



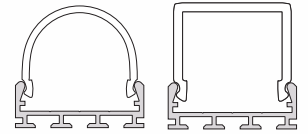
**GT**

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



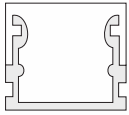
**GTX**  
PE-GTX

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



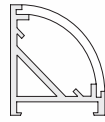
**TURBO**  
PE-TURBO2

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



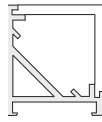
**TRACE**  
PE-TRACE

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



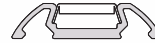
**RADIUS**  
PE-RAD

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



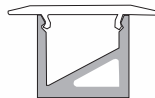
**DYAD**  
PE-DYAD

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



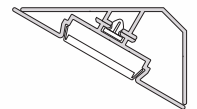
**BEVEL 28**  
PE-B28

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



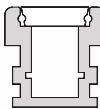
**PRO 45**  
PE-PRO45

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



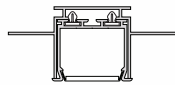
**PRO 30**  
PE-PRO30

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



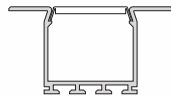
**PAVER**  
PE-PAVER

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



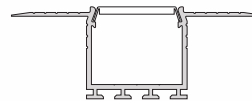
**MINI FLANGE SLOT**  
PE-SLOT

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



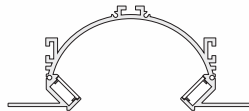
**INVISIBLE SLOT**  
PE-INVSLT

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



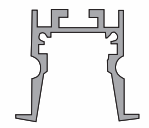
**ARC**  
PE-ARC

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.