

# HTL-TW SERIES TAPE LIGHT

## 24V DC Tunable CCT 2700K to 6000K

Need custom color temperature lighting at the turn of a dial? Tunable CCT series is a great option when on the fly color adjustment is a must, or when single CCT options just won't cut it. Adjust color temps from 2700K to 6000K and everything in between to create elegant lighting catered to times of day or application setting.

- Dynamic white color tuning from 2700K up to 6000K
- Alternating 2700K and 6000K LED's for smooth color blending
- 90+ color rendering index
- Up to 255 lumen per foot output performance
- Consumes up to 2.9W per foot
- Cuttable every 3.94" with maximum runs up to 32.8ft
- 5-100% Dimmable with most secondary side controls
- Control color temperature via DMX or secondary side controls
- cULus Listed for indoor dry/damp locations
- 50,000 hours rated life



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

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

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

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



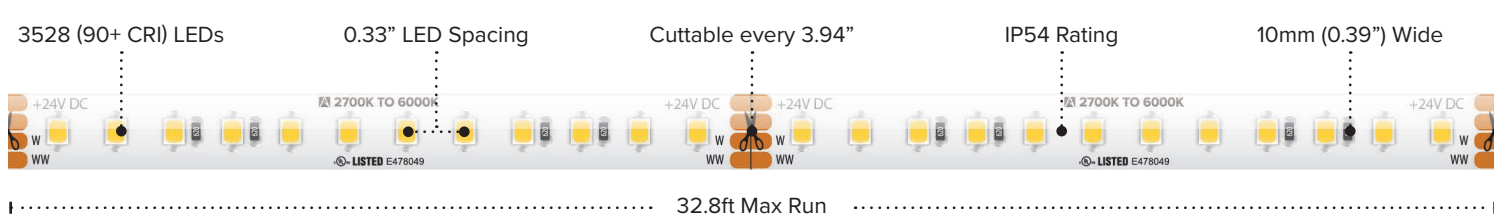
### HTL-TW SERIES QUICK SPECS

<b>VOLTAGE</b>	24V DC
<b>WATTAGE</b>	2.9W / ft
<b>LUMENS</b>	Up to 255Lm / ft
<b>CCT</b>	2700K-6000K
<b>CRI</b>	90+
<b>MAX RUN</b>	32.8ft
<b>CUTTING POINTS</b>	3.94" (100mm)
<b>IP RATING</b>	IP54 - Coated
<b>DIMMING</b>	5-100% (Requires Secondary Side Controller)
<b>DIMENSIONS</b>	10mm (0.39") W x 1.65mm (0.06") 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 Location
<b>RATED LIFE</b>	50,000 Hours

### HTL-TW 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

### HTL-TW SERIES QUICK LOOK



**HTL-TW 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-TW</b>	24V DC	2700K-6000K	16.4 ft	255Lm / ft	2.9W / ft	IP54	90+	3.94" (100mm)	32.8 ft

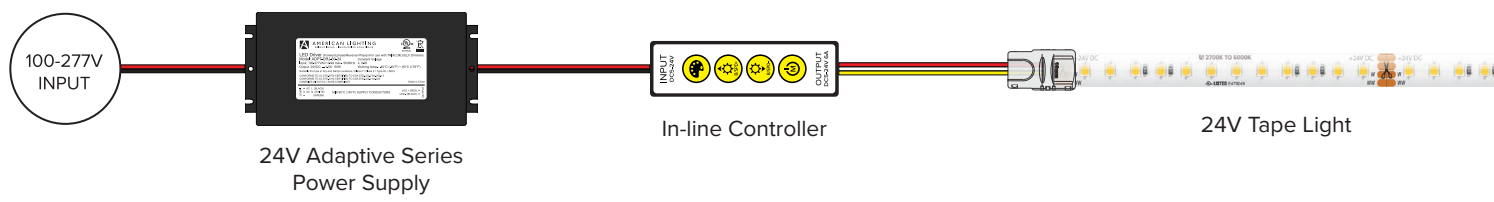
16.4ft Reels (IP54) Include: 6ft lead, 6ft tail, (2) TL-4PWR-HD

**HTL-TW SERIES ACCESSORIES**

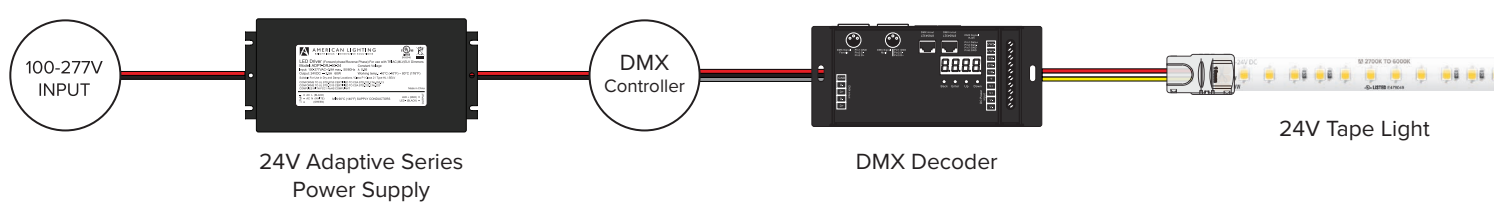
ITEM NUMBER	DESCRIPTION
<b>TL-4PWR-HD</b>	6' HD Power Feed (IP54)
<b>TL-4SPL-HD</b>	HD Splice (IP54)
<b>TL-4SPL-L-HD</b>	90° "L" HD Splice (IP54)
<b>TL-4JUMP6-HD</b>	6" HD Linking Cable (IP54)
<b>TL-4JUMP24-HD</b>	24" HD Linking Cable (IP54)
<b>WIRE-15-4PIN</b>	15ft (20/4) Wire Spool
<b>WIRE-CMP-100-6PIN</b>	100ft (16/6) In-wall Rated Wire Spool
<b>INLINE-TW-CTRL</b>	Simple Select In-line Controller (Tunable CCT)
<b>RCWY-PVC-1M</b>	1m Plastic Wire Cover Raceway



**HTL-TW SERIES SIMPLE SELECT QUICK SET-UP**



**HTL-TW SERIES DMX 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-TW SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)
1	100	3.94	0.33
2	200	7.87	0.66
3	300	11.81	0.98
4	400	15.75	1.31
5	500	19.69	1.64
6	600	23.62	1.97
7	700	27.56	2.30
8	800	31.50	2.62
9	900	35.43	2.95
10	1000	39.37	3.28
11	1100	43.31	3.61
12	1200	47.24	3.94
13	1300	51.18	4.27
14	1400	55.12	4.59
15	1500	59.06	4.92
16	1600	62.99	5.25
17	1700	66.93	5.58
18	1800	70.87	5.91
19	1900	74.80	6.23
20	2000	78.74	6.56
21	2100	82.68	6.89
22	2200	86.61	7.22
23	2300	90.55	7.55
24	2400	94.49	7.87
25	2500	98.43	8.20
26	2600	102.36	8.53
27	2700	106.30	8.86
28	2800	110.24	9.19
29	2900	114.17	9.51
30	3000	118.11	9.84
31	3100	122.05	10.17
32	3200	125.98	10.50
33	3300	129.92	10.83
34	3400	133.86	11.15
35	3500	137.80	11.48
36	3600	141.73	11.81
37	3700	145.67	12.14
38	3800	149.61	12.47
39	3900	153.54	12.80
40	4000	157.48	13.12
41	4100	161.42	13.45
42	4200	165.35	13.78
43	4300	169.29	14.11
44	4400	173.23	14.44
45	4500	177.17	14.76
46	4600	181.10	15.09
47	4700	185.04	15.42
48	4800	188.98	15.75
49	4900	192.91	16.08
50	5000	196.85	16.40

Segment	Length (MM)	Length (Inches)	Length (Feet)
51	5100	200.79	16.73
52	5200	204.72	17.06
53	5300	208.66	17.39
54	5400	212.60	17.72
55	5500	216.54	18.04
56	5600	220.47	18.37
57	5700	224.41	18.70
58	5800	228.35	19.03
59	5900	232.28	19.36
60	6000	236.22	19.69
61	6100	240.16	20.01
62	6200	244.09	20.34
63	6300	248.03	20.67
64	6400	251.97	21.00
65	6500	255.91	21.33
66	6600	259.84	21.65
67	6700	263.78	21.98
68	6800	267.72	22.31
69	6900	271.65	22.64
70	7000	275.59	22.97
71	7100	279.53	23.29
72	7200	283.46	23.62
73	7300	287.40	23.95
74	7400	291.34	24.28
75	7500	295.28	24.61
76	7600	299.21	24.93
77	7700	303.15	25.26
78	7800	307.09	25.59
79	7900	311.02	25.92
80	8000	314.96	26.25
81	8100	318.90	26.57
82	8200	322.83	26.90
83	8300	326.77	27.23
84	8400	330.71	27.56
85	8500	334.65	27.89
86	8600	338.58	28.22
87	8700	342.52	28.54
88	8800	346.46	28.87
89	8900	350.39	29.20
90	9000	354.33	29.53
91	9100	358.27	29.86
92	9200	362.20	30.18
93	9300	366.14	30.51
94	9400	370.08	30.84
95	9500	374.02	31.17
96	9600	377.95	31.50
97	9700	381.89	31.82
98	9800	385.83	32.15
99	9900	389.76	32.48
100	10000	393.70	32.81

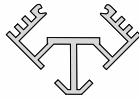
**COMPATIBLE MOUNTING CHANNELS 10mm**



**ECONOMY**

EE1-AAFR

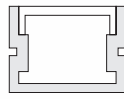
Dimensions: 5/8" (16mm) W  
x 1/4" (7mm) H



**ECONOMY 45**

EE45-AAFR

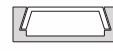
Dimensions: 3/4" (19mm) W  
x 3/4" (19mm) H



**UNIVERSAL**

PE-AA2 / PE-UNV

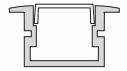
Dimensions: 16/25" (16mm) W  
x 47/100" (12mm) H



**UNIVERSAL MINI**

PE-AA1 / PE-UNV MINI

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



**DOUBLE FLANGE**

PE-AA2DF

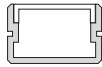
Dimensions: 5/8" (16mm) W  
x 7/16" (11mm) H



**MINI DOUBLE FLANGE**

PE-AA1DF

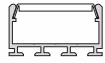
Dimensions: 19/32" (15mm) W  
x 5/32" (4mm) H



**GT**

PE-GT

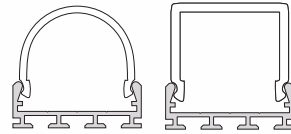
Dimensions: 3/4" (19mm) W  
x 1/2" (12mm) H



**GTX**

PE-GTX

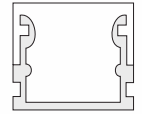
Dimensions: 1" (26mm) W  
x 9/16" (14.5mm) H



**TURBO**

PE-TURBO2

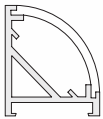
Dimensions: 1" (26mm) W x 1" (25mm) H



**TRACE**

PE-TRACE

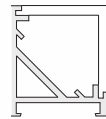
Dimensions: 13/16" (21mm) W  
x 13/16" (21mm) H



**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

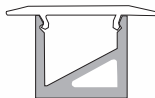
Dimensions: 1.35" (34.2mm) W  
x 0.47" (12mm) H



**CAMBER**

PE-CMBR

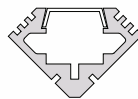
Dimensions: 0.71" (18mm) W x  
0.23" (5.7mm) H



**BEVEL 28**

PE-B28

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



**PREMIUM 45**

PE-AA45

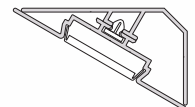
Dimensions: 3/4" (19mm) W  
x 3/4" (19mm) H



**PRO 45**

PE-PRO45

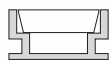
Dimensions: 1-3/16" (30mm) W  
x 7/16" (10mm) H



**PRO 30**

PE-PRO30

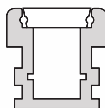
Dimensions: 1-13/16" (46mm) W  
x 1-1/16" (27mm) H



**HELM**

PE-HELM

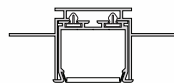
Dimensions: 13/16" (20mm) W  
x 11/32" (8.5mm) H



**PAVER**

PE-PAVER

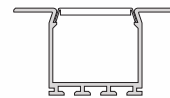
Dimensions: 1" (26mm) W  
x 1" (26mm) H



**MINI FLANGE SLOT**

PE-SLOT

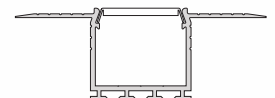
Dimensions: 1-3/16" (30mm) W  
x 15/16" (24mm) H



**STANDARD FLANGE SLOT**

PE-DFSLOT

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



**INVISIBLE SLOT**

PE-INVSLT

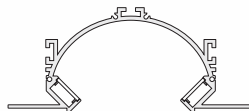
Dimensions: 1-1/16" (27mm) W  
x 15/16" (24mm) H



**VERGE**

PE-VERGE

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



**ARC**

PE-ARC

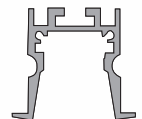
Dimensions: 4-13/16" (122.4mm) W  
x 2" (50.8mm) H



**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](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.