

HTLHD SERIES TAPE LIGHT

24V DC High Output (HD) High Density

High Density (HD) tape light features highly efficient and compact LED chip sets that allow for tighter spacing without sacrificing lumen loss and more precise cutting increments for greater customization with run lengths up to 27 feet.

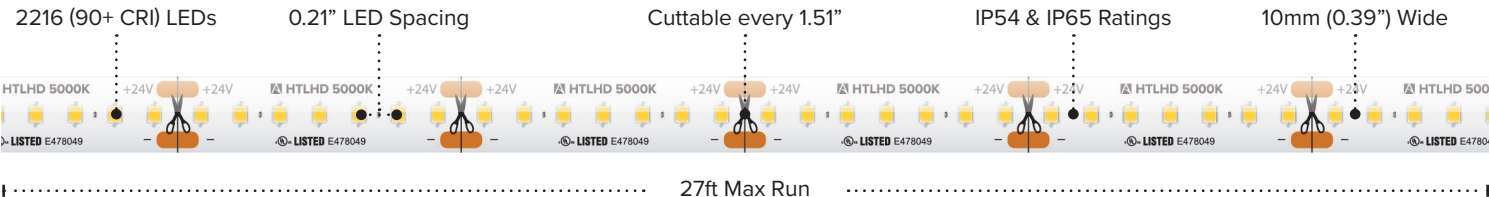
- High Density (HD) LED spacing in High Output performance
- Available in 2700K, 3000K, 3500K, 4000K, and 5000K
- 90+ color rendering index
- Lumen output ranging from 310Lm to 385Lm per foot
- Cuttable every 1.51" with 27ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 coated and IP65 Jacketed
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- cULus Listed for indoor dry/damp locations
- 50,000 hours rated life
- Suitable for use in closets when used in an enclosed extrusion based on NFPA 70, NEC section 410.16 (A)(3) and 410.16 (C)(5)
- Meets the strict and rigorous JA8 compliance guidelines to qualify as a "High Efficiency" luminaire



HTLHD SERIES QUICK SPECS

VOLTAGE	24V
WATTAGE	3.65W / ft
LUMENS	Up to 385Lm / ft
CCT OPTIONS	2700K / 3000K / 3500K / 4000K / 5000K
CRI	90+
MAX RUN	27ft
CUTTING POINTS	1.51" (38.4mm)
IP RATING	IP54 - Coated
DIMMING	TRIAC / ELV (5-100%)
DIMENSIONS	0.39" (10mm) 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

HTLHD SERIES QUICK LOOK



PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



HTLHD 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.

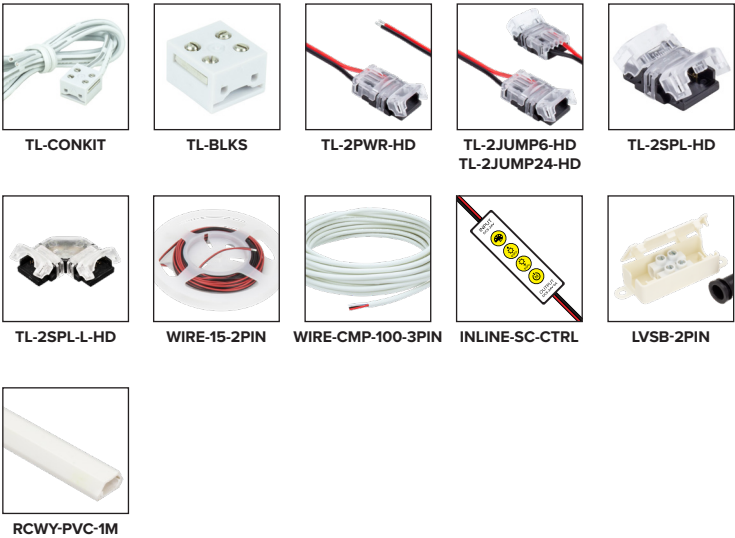
HTLHD SERIES ORDERING INFORMATION

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
HTLHD-UWW-16	24V	2700K	16.4 ft	310Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD65-UWW-16	24V	2700K	16.4 ft	295Lm / ft	3.65W / ft	IP65	90+	1.51" (38.4mm)	27 ft
HTLHD-UWW-100	24V	2700K	100 ft	310Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD-WW-16	24V	3000K	16.4 ft	335Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD65-WW-16	24V	3000K	16.4 ft	320Lm / ft	3.65W / ft	IP65	90+	1.51" (38.4mm)	27 ft
HTLHD-WW-100	24V	3000K	100 ft	335Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD-NW-16	24V	3500K	16.4 ft	355Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD65-NW-16	24V	3500K	16.4 ft	335Lm / ft	3.65W / ft	IP65	90+	1.51" (38.4mm)	27 ft
HTLHD-NW-100	24V	3500K	100 ft	355Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD-WH-16	24V	4000K	16.4 ft	385Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD65-WH-16	24V	4000K	16.4 ft	365Lm / ft	3.65W / ft	IP65	90+	1.51" (38.4mm)	27 ft
HTLHD-WH-100	24V	4000K	100 ft	385Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD-CW-16	24V	5000K	16.4 ft	370Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft
HTLHD65-CW-16	24V	5000K	16.4 ft	350Lm / ft	3.65W / ft	IP65	90+	1.51" (38.4mm)	27 ft
HTLHD-CW-100	24V	5000K	100 ft	370Lm / ft	3.65W / ft	IP54	90+	1.51" (38.4mm)	27 ft

16.4ft Reels (IP54) Include: Attached 3ft Lead Wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
16.4ft Reels (IP65) Include: Attached 3ft IP65 Lead Wire Connection / (3) HD Power Feeds (IP20)
100ft Reels (IP54) Include: Attached 3ft Lead Wire / (5) TL-CONKIT / (5) TL-BLKS / (5) TL-2PWR-HD

HTLHD 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)



RECOMMENDED POWER SUPPLIES

Phase Dimming Compatible With Most MLV, ELV, and TRIAC Dimmers

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

HTLHD SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inch)	Length (Feet)	Segment	Length (MM)	Length (Inch)	Length (Feet)	Segment	Length (MM)	Length (Inch)	Length (Feet)	Segment	Length (MM)	Length (Inch)	Length (Feet)
1	38.4	1.51	0.13	54	2073.6	81.54	6.80	107	4108.8	161.57	13.46	160	6144	241.6	20.13
2	76.8	3.02	0.25	55	2112	83.05	6.92	108	4147.2	163.08	13.59	161	6182.4	243.11	20.26
3	115.2	4.53	0.38	56	2150.4	84.56	7.05	109	4185.6	164.59	13.72	162	6220.8	244.62	20.39
4	153.6	6.04	0.50	57	2188.8	86.07	7.17	110	4224	166.1	13.84	163	6259.2	246.13	20.51
5	192	7.55	0.63	58	2227.2	87.58	7.30	111	4262.4	167.61	13.97	164	6297.6	247.64	20.64
6	230.4	9.06	0.76	59	2265.6	89.09	7.42	112	4300.8	169.12	14.09	165	6336	249.15	20.76
7	268.8	10.57	0.88	60	2304	90.6	7.55	113	4339.2	170.63	14.22	166	6374.4	250.66	20.89
8	307.2	12.08	1.01	61	2342.4	92.11	7.68	114	4377.6	172.14	14.35	167	6412.8	252.17	21.01
9	345.6	13.59	1.13	62	2380.8	93.62	7.80	115	4416	173.65	14.47	168	6451.2	253.68	21.14
10	384	15.1	1.26	63	2419.2	95.13	7.93	116	4454.4	175.16	14.60	169	6489.6	255.19	21.27
11	422.4	16.61	1.38	64	2457.6	96.64	8.05	117	4492.8	176.67	14.72	170	6528	256.7	21.39
12	460.8	18.12	1.51	65	2496	98.15	8.18	118	4531.2	178.18	14.85	171	6566.4	258.21	21.52
13	499.2	19.63	1.64	66	2534.4	99.66	8.31	119	4569.6	179.69	14.97	172	6604.8	259.72	21.64
14	537.6	21.14	1.76	67	2572.8	101.17	8.43	120	4608	181.2	15.10	173	6643.2	261.23	21.77
15	576	22.65	1.89	68	2611.2	102.68	8.56	121	4646.4	182.71	15.23	174	6681.6	262.74	21.90
16	614.4	24.16	2.01	69	2649.6	104.19	8.68	122	4684.8	184.22	15.35	175	6720	264.25	22.02
17	652.8	25.67	2.14	70	2688	105.7	8.81	123	4723.2	185.73	15.48	176	6758.4	265.76	22.15
18	691.2	27.18	2.27	71	2726.4	107.21	8.93	124	4761.6	187.24	15.60	177	6796.8	267.27	22.27
19	729.6	28.69	2.39	72	2764.8	108.72	9.06	125	4800	188.75	15.73	178	6835.2	268.78	22.40
20	768	30.2	2.52	73	2803.2	110.23	9.19	126	4838.4	190.26	15.86	179	6873.6	270.29	22.52
21	806.4	31.71	2.64	74	2841.6	111.74	9.31	127	4876.8	191.77	15.98	180	6912	271.8	22.65
22	844.8	33.22	2.77	75	2880	113.25	9.44	128	4915.2	193.28	16.11	181	6950.4	273.31	22.78
23	883.2	34.73	2.89	76	2918.4	114.76	9.56	129	4953.6	194.79	16.23	182	6988.8	274.82	22.90
24	921.6	36.24	3.02	77	2956.8	116.27	9.69	130	4992	196.3	16.36	183	7027.2	276.33	23.03
25	960	37.75	3.15	78	2995.2	117.78	9.82	131	5030.4	197.81	16.48	184	7065.6	277.84	23.15
26	998.4	39.26	3.27	79	3033.6	119.29	9.94	132	5068.8	199.32	16.61	185	7104	279.35	23.28
27	1036.8	40.77	3.40	80	3072	120.8	10.07	133	5107.2	200.83	16.74	186	7142.4	280.86	23.41
28	1075.2	42.28	3.52	81	3110.4	122.31	10.19	134	5145.6	202.34	16.86	187	7180.8	282.37	23.53
29	1113.6	43.79	3.65	82	3148.8	123.82	10.32	135	5184	203.85	16.99	188	7219.2	283.88	23.66
30	1152	45.3	3.78	83	3187.2	125.33	10.44	136	5222.4	205.36	17.11	189	7257.6	285.39	23.78
31	1190.4	46.81	3.90	84	3225.6	126.84	10.57	137	5260.8	206.87	17.24	190	7296	286.9	23.91
32	1228.8	48.32	4.03	85	3264	128.35	10.70	138	5299.2	208.38	17.37	191	7334.4	288.41	24.03
33	1267.2	49.83	4.15	86	3302.4	129.86	10.82	139	5337.6	209.89	17.49	192	7372.8	289.92	24.16
34	1305.6	51.34	4.28	87	3340.8	131.37	10.95	140	5376	211.4	17.62	193	7411.2	291.43	24.29
35	1344	52.85	4.40	88	3379.2	132.88	11.07	141	5414.4	212.91	17.74	194	7449.6	292.94	24.41
36	1382.4	54.36	4.53	89	3417.6	134.39	11.20	142	5452.8	214.42	17.87	195	7488	294.45	24.54
37	1420.8	55.87	4.66	90	3456	135.9	11.33	143	5491.2	215.93	17.99	196	7526.4	295.96	24.66
38	1459.2	57.38	4.78	91	3494.4	137.41	11.45	144	5529.6	217.44	18.12	197	7564.8	297.47	24.79
39	1497.6	58.89	4.91	92	3532.8	138.92	11.58	145	5568	218.95	18.25	198	7603.2	298.98	24.92
40	1536	60.4	5.03	93	3571.2	140.43	11.70	146	5606.4	220.46	18.37	199	7641.6	300.49	25.04
41	1574.4	61.91	5.16	94	3609.6	141.94	11.83	147	5644.8	221.97	18.50	200	7680	302	25.17
42	1612.8	63.42	5.29	95	3648	143.45	11.95	148	5683.2	223.48	18.62	201	7718.4	303.51	25.29
43	1651.2	64.93	5.41	96	3686.4	144.96	12.08	149	5721.6	224.99	18.75	202	7756.8	305.02	25.42
44	1689.6	66.44	5.54	97	3724.8	146.47	12.21	150	5760	226.5	18.88	203	7795.2	306.53	25.54
45	1728	67.95	5.66	98	3763.2	147.98	12.33	151	5798.4	228.01	19.00	204	7833.6	308.04	25.67
46	1766.4	69.46	5.79	99	3801.6	149.49	12.46	152	5836.8	229.52	19.13	205	7872	309.55	25.80
47	1804.8	70.97	5.91	100	3840	151	12.58	153	5875.2	231.03	19.25	206	7910.4	311.06	25.92
48	1843.2	72.48	6.04	101	3878.4	152.51	12.71	154	5913.6	232.54	19.38	207	7948.8	312.57	26.05
49	1881.6	73.99	6.17	102	3916.8	154.02	12.84	155	5952	234.05	19.50	208	7987.2	314.08	26.17
50	1920	75.5	6.29	103	3955.2	155.53	12.96	156	5990.4	235.56	19.63	209	8025.6	315.59	26.30
51	1958.4	77.01	6.42	104	3993.6	157.04	13.09	157	6028.8	237.07	19.76	210	8064	317.1	26.43
52	1996.8	78.52	6.54	105	4032	158.55	13.21	158	6067.2	238.58	19.88	211	8102.4	318.61	26.55
53	2035.2	80.03	6.67	106	4070.4	160.06	13.34	159	6105.6	240.09	20.01	212	8140.8	320.12	26.68



AMERICAN LIGHTING WARRANTY

LIMITED WARRANTY FOR LED PRODUCTS: 5 YEARS

LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. 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 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.

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% more for a particular 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.

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 where 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.