**AMERICAN LIGHTING**

# VEGA SERIES TAPE LIGHT
## 24V DC Vega 1000Lm+ per foot tape light

| PROJECT: | |
|---|---|
| TYPE: | |
| LOCATION: | |
| CATALOG NUMBER: | |

Big on brightness, small on form factor. With the Vega series you can achieve all the benefits of extreme light output from larger form factor fixtures in an ultra compact LED tape light strip. Extremely close diode spacing virtually eliminates any LED dotting or reflections providing a seamless line of light making for a perfect solution for general ambient lighting applications.

- One of the brightest lumen output per foot tape light available
- Lumen output ranging from 1030Lm to 1163Lm per foot
- Available in 2700K, 3000K, 3500K, and 4000K
- 80+ color rendering index
- Cuttable every 1.4" with 13.1ft max run
- Easy installation featuring 3M VHB adhesive backing
- IP54 rating featuring nano-coating protective layer
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- cULus Listed for indoor dry/damp locations
- 50,000 hours rated life / 5-year limited warranty

c UL us LISTED    IP54 COATED    DIMMABLE



## VTL SERIES QUICK SPECS

| | |
|---|---|
| **VOLTAGE** | 24V DC |
| **WATTAGE** | 7W / ft |
| **LUMENS** | Up to 1163Lm / ft |
| **CCT OPTIONS** | 2700K / 3000K / 3500K / 4000K |
| **CRI** | 80+ |
| **MAX RUN** | 13.1ft |
| **CUTTING POINTS** | 1.4" (35mm) |
| **IP RATING** | IP54 - Coated |
| **DIMMING** | TRIAC / ELV (5 - 100%) |
| **DIMENSIONS** | 0.39" (10mm) W x 0.06" (1.7mm) 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 |

Recommended: In commercial applications, solder all connection points.
ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
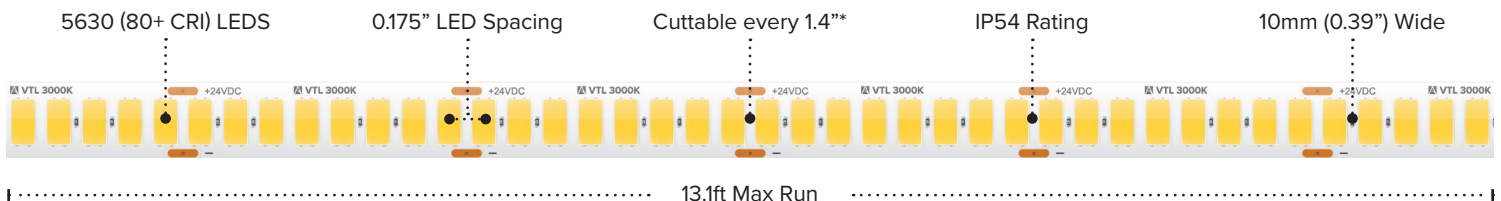
## VTL SERIES IP RATINGS

**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

*When making cuts, be sure to always cut off center to ensure maximum pad length when creating connection.

## VTL SERIES QUICK LOOK

5630 (80+ CRI) LEDS    0.175" LED Spacing    Cuttable every 1.4"*    IP54 Rating    10mm (0.39") Wide
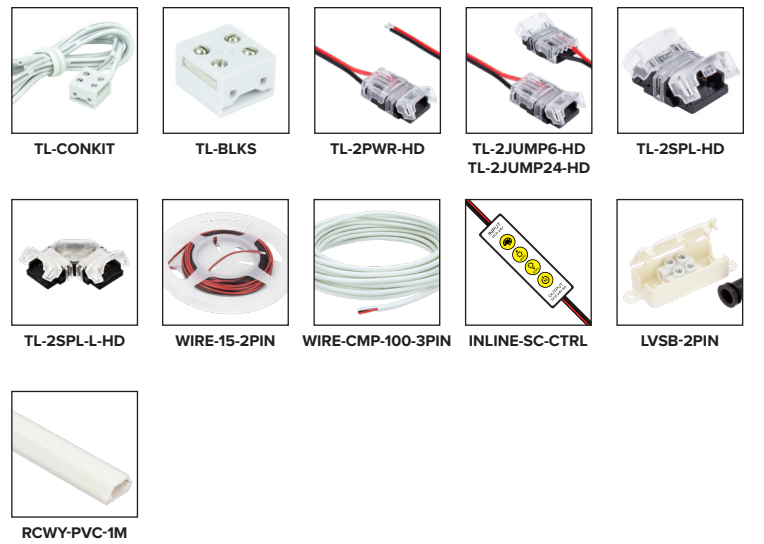


13.1ft Max Run

## VTL SERIES ORDERING INFORMATION

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

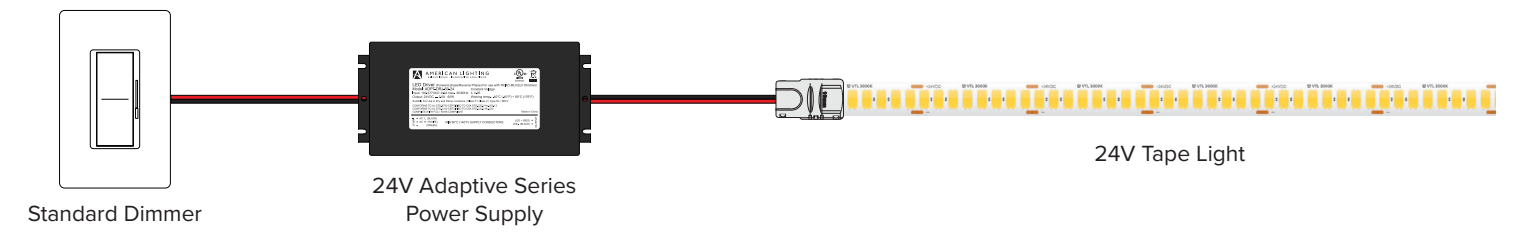| ITEM NUMBER | VOLTAGE | CCT | LENGTH | LUMENS / FT | WATTAGE / FT | IP RATING | CRI | CUTTING | MAX RUN |
|---|---|---|---|---|---|---|---|---|---|
| VTL-UWW-13 | 24V DC | 2700K | 13.1 ft | 1030Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-UWW-CC | 24V DC | 2700K | Custom Cut | 1030Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-WW-13 | 24V DC | 3000K | 13.1 ft | 1090Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-WW-CC | 24V DC | 3000K | Custom Cut | 1090Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-NW-13 | 24V DC | 3500K | 13.1 ft | 1140Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-NW-CC | 24V DC | 3500K | Custom Cut | 1140Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-WH-13 | 24V DC | 4000K | 13.1 ft | 1163Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |
| VTL-WH-CC | 24V DC | 4000K | Custom Cut | 1163Lm / ft | 7W / ft | IP54 | 80+ | 1.4" (35mm) | 13.1 ft |

**13.1ft Reels (IP54) Include:** Attached 3ft Lead Wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
**Custom Cut:** Order (1) **CONKIT-CC** Assembly Fee per length of tape; includes 3ft soldered lead wire and shrink tube cover; for additional wire, add (1) TL-WIRE per ft
*Custom Cut Lengths must be calculated in 1.4" increments (Min 1ft / Max. 13.1ft). See page 3 for cut increment guide.

## VTL 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) |

TL-CONKIT

TL-BLKS

TL-2PWR-HD

TL-2JUMP6-HD
TL-2JUMP24-HD

TL-2SPL-HD

TL-2SPL-L-HD

WIRE-15-2PIN

WIRE-CMP-100-3PIN

INLINE-SC-CTRL

LVSB-2PIN

RCWY-PVC-1M

## VTL SERIES QUICK SET-UP

Standard Dimmer

24V Adaptive Series Power Supply

24V Tape Light

## 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 PWM Dimmers*

## VTL SERIES CUT INCREMENT GUIDE

| Segment | Length (MM) | Length (Inches) | Length (Feet) |
|---|---|---|---|
| 1 | 35.5 | 1.4 | 0.12 |
| 2 | 71 | 2.8 | 0.23 |
| 3 | 106.5 | 4.2 | 0.35 |
| 4 | 142 | 5.6 | 0.47 |
| 5 | 177.5 | 7 | 0.58 |
| 6 | 213 | 8.4 | 0.70 |
| 7 | 248.5 | 9.8 | 0.82 |
| 8 | 284 | 11.2 | 0.93 |
| 9 | 319.5 | 12.6 | 1.05 |
| 10 | 355 | 14 | 1.17 |
| 11 | 390.5 | 15.4 | 1.28 |
| 12 | 426 | 16.8 | 1.40 |
| 13 | 461.5 | 18.2 | 1.52 |
| 14 | 497 | 19.6 | 1.63 |
| 15 | 532.5 | 21 | 1.75 |
| 16 | 568 | 22.4 | 1.87 |
| 17 | 603.5 | 23.8 | 1.98 |
| 18 | 639 | 25.2 | 2.10 |
| 19 | 674.5 | 26.6 | 2.22 |
| 20 | 710 | 28 | 2.33 |
| 21 | 745.5 | 29.4 | 2.45 |
| 22 | 781 | 30.8 | 2.57 |
| 23 | 816.5 | 32.2 | 2.68 |
| 24 | 852 | 33.6 | 2.80 |
| 25 | 887.5 | 35 | 2.92 |
| 26 | 923 | 36.4 | 3.03 |
| 27 | 958.5 | 37.8 | 3.15 |
| 28 | 994 | 39.2 | 3.27 |
| 29 | 1029.5 | 40.6 | 3.38 |
| 30 | 1065 | 42 | 3.50 |
| 31 | 1100.5 | 43.4 | 3.62 |
| 32 | 1136 | 44.8 | 3.73 |
| 33 | 1171.5 | 46.2 | 3.85 |
| 34 | 1207 | 47.6 | 3.97 |
| 35 | 1242.5 | 49 | 4.08 |
| 36 | 1278 | 50.4 | 4.20 |
| 37 | 1313.5 | 51.8 | 4.32 |
| 38 | 1349 | 53.2 | 4.43 |
| 39 | 1384.5 | 54.6 | 4.55 |
| 40 | 1420 | 56 | 4.67 |
| 41 | 1455.5 | 57.4 | 4.78 |
| 42 | 1491 | 58.8 | 4.90 |
| 43 | 1526.5 | 60.2 | 5.02 |
| 44 | 1562 | 61.6 | 5.13 |
| 45 | 1597.5 | 63 | 5.25 |
| 46 | 1633 | 64.4 | 5.37 |
| 47 | 1668.5 | 65.8 | 5.48 |
| 48 | 1704 | 67.2 | 5.60 |
| 49 | 1739.5 | 68.6 | 5.72 |
| 50 | 1775 | 70 | 5.83 |

| Segment | Length (MM) | Length (Inches) | Length (Feet) |
|---|---|---|---|
| 51 | 1810.5 | 71.4 | 5.95 |
| 52 | 1846 | 72.8 | 6.07 |
| 53 | 1881.5 | 74.2 | 6.18 |
| 54 | 1917 | 75.6 | 6.30 |
| 55 | 1952.5 | 77 | 6.42 |
| 56 | 1988 | 78.4 | 6.53 |
| 57 | 2023.5 | 79.8 | 6.65 |
| 58 | 2059 | 81.2 | 6.77 |
| 59 | 2094.5 | 82.6 | 6.88 |
| 60 | 2130 | 84 | 7.00 |
| 61 | 2165.5 | 85.4 | 7.12 |
| 62 | 2201 | 86.8 | 7.23 |
| 63 | 2236.5 | 88.2 | 7.35 |
| 64 | 2272 | 89.6 | 7.47 |
| 65 | 2307.5 | 91 | 7.58 |
| 66 | 2343 | 92.4 | 7.70 |
| 67 | 2378.5 | 93.8 | 7.82 |
| 68 | 2414 | 95.2 | 7.93 |
| 69 | 2449.5 | 96.6 | 8.05 |
| 70 | 2485 | 98 | 8.17 |
| 71 | 2520.5 | 99.4 | 8.28 |
| 72 | 2556 | 100.8 | 8.40 |
| 73 | 2591.5 | 102.2 | 8.52 |
| 74 | 2627 | 103.6 | 8.63 |
| 75 | 2662.5 | 105 | 8.75 |
| 76 | 2698 | 106.4 | 8.87 |
| 77 | 2733.5 | 107.8 | 8.98 |
| 78 | 2769 | 109.2 | 9.10 |
| 79 | 2804.5 | 110.6 | 9.22 |
| 80 | 2840 | 112 | 9.33 |
| 81 | 2875.5 | 113.4 | 9.45 |
| 82 | 2911 | 114.8 | 9.57 |
| 83 | 2946.5 | 116.2 | 9.68 |
| 84 | 2982 | 117.6 | 9.80 |
| 85 | 3017.5 | 119 | 9.92 |
| 86 | 3053 | 120.4 | 10.03 |
| 87 | 3088.5 | 121.8 | 10.15 |
| 88 | 3124 | 123.2 | 10.27 |
| 89 | 3159.5 | 124.6 | 10.38 |
| 90 | 3195 | 126 | 10.50 |
| 91 | 3230.5 | 127.4 | 10.62 |
| 92 | 3266 | 128.8 | 10.73 |
| 93 | 3301.5 | 130.2 | 10.85 |
| 94 | 3337 | 131.6 | 10.97 |
| 95 | 3372.5 | 133 | 11.08 |
| 96 | 3408 | 134.4 | 11.20 |
| 97 | 3443.5 | 135.8 | 11.32 |
| 98 | 3479 | 137.2 | 11.43 |
| 99 | 3514.5 | 138.6 | 11.55 |
| 100 | 3550 | 140 | 11.67 |

| Segment | Length (MM) | Length (Inches) | Length (Feet) |
|---|---|---|---|
| 101 | 3585.5 | 141.4 | 11.78 |
| 102 | 3621 | 142.8 | 11.90 |
| 103 | 3656.5 | 144.2 | 12.02 |
| 104 | 3692 | 145.6 | 12.13 |
| 105 | 3727.5 | 147 | 12.25 |
| 106 | 3763 | 148.4 | 12.37 |
| 107 | 3798.5 | 149.8 | 12.48 |
| 108 | 3834 | 151.2 | 12.60 |
| 109 | 3869.5 | 152.6 | 12.72 |
| 110 | 3905 | 154 | 12.83 |
| 111 | 3940.5 | 155.4 | 12.95 |
| 112 | 3976 | 156.8 | 13.07 |
| 113 | 4011.5 | 158.2 | 13.18 |

# 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.