

STLHD SERIES TAPE LIGHT

24V DC Standard Grade (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 32.8 feet.

- High Density (HD) LED spacing in Standard Grade Output
- Available in 2700K, 3000K, 3500K, 4000K, and 5000K
- 90+ color rendering index
- Lumen output ranging from 200Lm to 235Lm per foot
- Cuttable every 2.46" with 32.8ft 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
- JA8 Compliant
- 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) - See page 4 for more details on NEC Code.



PROJECT:

TYPE:


LOCATION:

CATALOG NUMBER:




| STLHD SERIES QUICK SPECS | |
|--------------------------|---------------------------------------|
| VOLTAGE | 24V DC |
| WATTAGE | 2.19W / ft |
| LUMENS | Up to 235Lm / ft |
| CCT OPTIONS | 2700K / 3000K / 3500K / 4000K / 5000K |
| CRI | 90+ |
| MAX RUN | 32.8ft |
| CUTTING POINTS | 2.46" (62.5mm) |
| IP RATING | IP54 - Coated / IP65 Jacketed |
| 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 |

STLHD 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.

STLHD SERIES QUICK LOOK


2216 (90+ CRI) LEDs

0.36" LED Spacing

Cuttable every 2.46"

IP54 or IP65 Rating

10mm (0.39") Wide



32.8ft Max Run

STLHD SERIES ORDERING INFORMATION

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

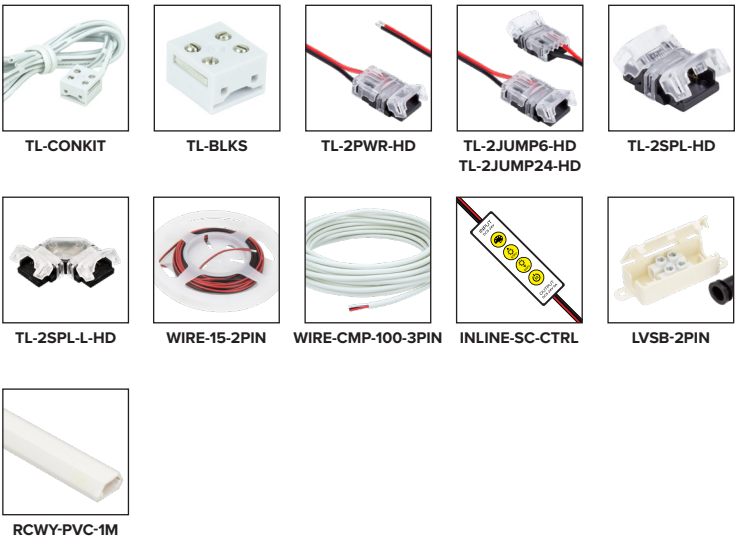
| ITEM NUMBER | VOLTAGE | CCT | LENGTH | LUMENS / FT | WATTAGE / FT | IP RATING | CRI | CUTTING | MAX RUN |
|----------------|---------|-------|---------|-------------|--------------|-----------|-----|----------------|---------|
| STLHD-UWW-16 | 24V DC | 2700K | 16.4 ft | 200Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD65-UWW-16 | 24V DC | 2700K | 16.4 ft | 190Lm / ft | 2.19W / ft | IP65 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-UWW-100 | 24V DC | 2700K | 100 ft | 200Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-WW-16 | 24V DC | 3000K | 16.4 ft | 210Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD65-WW-16 | 24V DC | 3000K | 16.4 ft | 190Lm / ft | 2.19W / ft | IP65 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-WW-100 | 24V DC | 3000K | 100 ft | 210Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-NW-16 | 24V DC | 3500K | 16.4 ft | 220Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD65-NW-16 | 24V DC | 3500K | 16.4 ft | 210Lm / ft | 2.19W / ft | IP65 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-NW-100 | 24V DC | 3500K | 100 ft | 220Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-WH-16 | 24V DC | 4000K | 16.4 ft | 235Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD65-WH-16 | 24V DC | 4000K | 16.4 ft | 225Lm / ft | 2.19W / ft | IP65 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-WH-100 | 24V DC | 4000K | 100 ft | 235Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-CW-16 | 24V DC | 5000K | 16.4 ft | 230Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD65-CW-16 | 24V DC | 5000K | 16.4 ft | 220Lm / ft | 2.19W / ft | IP65 | 90+ | 2.46" (62.5mm) | 32.8 ft |
| STLHD-CW-100 | 24V DC | 5000K | 100 ft | 230Lm / ft | 2.19W / ft | IP54 | 90+ | 2.46" (62.5mm) | 32.8 ft |

16.4ft Reels (IP54) Include: Attached 6ft Lead Wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD

16.4ft Reels (IP65) Include: Attached 2ft IP65 Lead Wire +6in Conkit / Attached 2ft IP65 Tail Wire +6in Conkit / (3) TL-2PWR-HD (IP20)

100ft Reels (IP54) Include: Attached 6ft Lead Wire / (5) TL-CONKIT / (5) TL-BLKS / (5) TL-2PWR-HD

| STLHD 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 | | | | | | |
|----------------------------|--------------------------------|----------------|---------------|----------------|----------|--------------------------|
| 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 DC | 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 DC | 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 DC | 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 DC | 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 DC | Yes* | 11.85"L x 4.25"W x 1.8"H |

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

STLHD SERIES CUT INCREMENT GUIDE

| Segment | Length (MM) | Length (Inch) | Length (Feet) |
|---------|-------------|---------------|---------------|
| 1 | 62.5 | 2.46 | 0.21 |
| 2 | 125 | 4.92 | 0.41 |
| 3 | 187.5 | 7.38 | 0.62 |
| 4 | 250 | 9.84 | 0.82 |
| 5 | 312.5 | 12.3 | 1.03 |
| 6 | 375 | 14.76 | 1.23 |
| 7 | 437.5 | 17.22 | 1.44 |
| 8 | 500 | 19.68 | 1.64 |
| 9 | 562.5 | 22.14 | 1.85 |
| 10 | 625 | 24.6 | 2.05 |
| 11 | 687.5 | 27.06 | 2.26 |
| 12 | 750 | 29.52 | 2.46 |
| 13 | 812.5 | 31.98 | 2.67 |
| 14 | 875 | 34.44 | 2.87 |
| 15 | 937.5 | 36.9 | 3.08 |
| 16 | 1000 | 39.36 | 3.28 |
| 17 | 1062.5 | 41.82 | 3.49 |
| 18 | 1125 | 44.28 | 3.69 |
| 19 | 1187.5 | 46.74 | 3.90 |
| 20 | 1250 | 49.2 | 4.10 |
| 21 | 1312.5 | 51.66 | 4.31 |
| 22 | 1375 | 54.12 | 4.51 |
| 23 | 1437.5 | 56.58 | 4.72 |
| 24 | 1500 | 59.04 | 4.92 |
| 25 | 1562.5 | 61.5 | 5.13 |
| 26 | 1625 | 63.96 | 5.33 |
| 27 | 1687.5 | 66.42 | 5.54 |
| 28 | 1750 | 68.88 | 5.74 |
| 29 | 1812.5 | 71.34 | 5.95 |
| 30 | 1875 | 73.8 | 6.15 |
| 31 | 1937.5 | 76.26 | 6.36 |
| 32 | 2000 | 78.72 | 6.56 |
| 33 | 2062.5 | 81.18 | 6.77 |
| 34 | 2125 | 83.64 | 6.97 |
| 35 | 2187.5 | 86.1 | 7.18 |
| 36 | 2250 | 88.56 | 7.38 |
| 37 | 2312.5 | 91.02 | 7.59 |
| 38 | 2375 | 93.48 | 7.79 |
| 39 | 2437.5 | 95.94 | 8.00 |
| 40 | 2500 | 98.4 | 8.20 |

| Segment | Length (MM) | Length (Inch) | Length (Feet) |
|---------|-------------|---------------|---------------|
| 41 | 2562.5 | 100.86 | 8.41 |
| 42 | 2625 | 103.32 | 8.61 |
| 43 | 2687.5 | 105.78 | 8.82 |
| 44 | 2750 | 108.24 | 9.02 |
| 45 | 2812.5 | 110.7 | 9.23 |
| 46 | 2875 | 113.16 | 9.43 |
| 47 | 2937.5 | 115.62 | 9.64 |
| 48 | 3000 | 118.08 | 9.84 |
| 49 | 3062.5 | 120.54 | 10.05 |
| 50 | 3125 | 123 | 10.25 |
| 51 | 3187.5 | 125.46 | 10.46 |
| 52 | 3250 | 127.92 | 10.66 |
| 53 | 3312.5 | 130.38 | 10.87 |
| 54 | 3375 | 132.84 | 11.07 |
| 55 | 3437.5 | 135.3 | 11.28 |
| 56 | 3500 | 137.76 | 11.48 |
| 57 | 3562.5 | 140.22 | 11.69 |
| 58 | 3625 | 142.68 | 11.89 |
| 59 | 3687.5 | 145.14 | 12.10 |
| 60 | 3750 | 147.6 | 12.30 |
| 61 | 3812.5 | 150.06 | 12.51 |
| 62 | 3875 | 152.52 | 12.71 |
| 63 | 3937.5 | 154.98 | 12.92 |
| 64 | 4000 | 157.44 | 13.12 |
| 65 | 4062.5 | 159.9 | 13.33 |
| 66 | 4125 | 162.36 | 13.53 |
| 67 | 4187.5 | 164.82 | 13.74 |
| 68 | 4250 | 167.28 | 13.94 |
| 69 | 4312.5 | 169.74 | 14.15 |
| 70 | 4375 | 172.2 | 14.35 |
| 71 | 4437.5 | 174.66 | 14.56 |
| 72 | 4500 | 177.12 | 14.76 |
| 73 | 4562.5 | 179.58 | 14.97 |
| 74 | 4625 | 182.04 | 15.17 |
| 75 | 4687.5 | 184.5 | 15.38 |
| 76 | 4750 | 186.96 | 15.58 |
| 77 | 4812.5 | 189.42 | 15.79 |
| 78 | 4875 | 191.88 | 15.99 |
| 79 | 4937.5 | 194.34 | 16.20 |
| 80 | 5000 | 196.8 | 16.40 |

| Segment | Length (MM) | Length (Inch) | Length (Feet) |
|---------|-------------|---------------|---------------|
| 81 | 5062.5 | 199.26 | 16.61 |
| 82 | 5125 | 201.72 | 16.81 |
| 83 | 5187.5 | 204.18 | 17.02 |
| 84 | 5250 | 206.64 | 17.22 |
| 85 | 5312.5 | 209.1 | 17.43 |
| 86 | 5375 | 211.56 | 17.63 |
| 87 | 5437.5 | 214.02 | 17.84 |
| 88 | 5500 | 216.48 | 18.04 |
| 89 | 5562.5 | 218.94 | 18.25 |
| 90 | 5625 | 221.4 | 18.45 |
| 91 | 5687.5 | 223.86 | 18.66 |
| 92 | 5750 | 226.32 | 18.86 |
| 93 | 5812.5 | 228.78 | 19.07 |
| 94 | 5875 | 231.24 | 19.27 |
| 95 | 5937.5 | 233.7 | 19.48 |
| 96 | 6000 | 236.16 | 19.68 |
| 97 | 6062.5 | 238.62 | 19.89 |
| 98 | 6125 | 241.08 | 20.09 |
| 99 | 6187.5 | 243.54 | 20.30 |
| 100 | 6250 | 246 | 20.50 |
| 101 | 6312.5 | 248.46 | 20.71 |
| 102 | 6375 | 250.92 | 20.91 |
| 103 | 6437.5 | 253.38 | 21.12 |
| 104 | 6500 | 255.84 | 21.32 |
| 105 | 6562.5 | 258.3 | 21.53 |
| 106 | 6625 | 260.76 | 21.73 |
| 107 | 6687.5 | 263.22 | 21.94 |
| 108 | 6750 | 265.68 | 22.14 |
| 109 | 6812.5 | 268.14 | 22.35 |
| 110 | 6875 | 270.6 | 22.55 |
| 111 | 6937.5 | 273.06 | 22.76 |
| 112 | 7000 | 275.52 | 22.96 |
| 113 | 7062.5 | 277.98 | 23.17 |
| 114 | 7125 | 280.44 | 23.37 |
| 115 | 7187.5 | 282.9 | 23.58 |
| 116 | 7250 | 285.36 | 23.78 |
| 117 | 7312.5 | 287.82 | 23.99 |
| 118 | 7375 | 290.28 | 24.19 |
| 119 | 7437.5 | 292.74 | 24.40 |
| 120 | 7500 | 295.2 | 24.60 |

| Segment | Length (MM) | Length (Inch) | Length (Feet) |
|---------|-------------|---------------|---------------|
| 121 | 7562.5 | 297.66 | 24.81 |
| 122 | 7625 | 300.12 | 25.01 |
| 123 | 7687.5 | 302.58 | 25.22 |
| 124 | 7750 | 305.04 | 25.42 |
| 125 | 7812.5 | 307.5 | 25.63 |
| 126 | 7875 | 309.96 | 25.83 |
| 127 | 7937.5 | 312.42 | 26.04 |
| 128 | 8000 | 314.88 | 26.24 |
| 129 | 8062.5 | 317.34 | 26.45 |
| 130 | 8125 | 319.8 | 26.65 |
| 131 | 8187.5 | 322.26 | 26.86 |
| 132 | 8250 | 324.72 | 27.06 |
| 133 | 8312.5 | 327.18 | 27.27 |
| 134 | 8375 | 329.64 | 27.47 |
| 135 | 8437.5 | 332.1 | 27.68 |
| 136 | 8500 | 334.56 | 27.88 |
| 137 | 8562.5 | 337.02 | 28.09 |
| 138 | 8625 | 339.48 | 28.29 |
| 139 | 8687.5 | 341.94 | 28.50 |
| 140 | 8750 | 344.4 | 28.70 |
| 141 | 8812.5 | 346.86 | 28.91 |
| 142 | 8875 | 349.32 | 29.11 |
| 143 | 8937.5 | 351.78 | 29.32 |
| 144 | 9000 | 354.24 | 29.52 |
| 145 | 9062.5 | 356.7 | 29.73 |
| 146 | 9125 | 359.16 | 29.93 |
| 147 | 9187.5 | 361.62 | 30.14 |
| 148 | 9250 | 364.08 | 30.34 |
| 149 | 9312.5 | 366.54 | 30.55 |
| 150 | 9375 | 369 | 30.75 |
| 151 | 9437.5 | 371.46 | 30.96 |
| 152 | 9500 | 373.92 | 31.16 |
| 153 | 9562.5 | 376.38 | 31.37 |
| 154 | 9625 | 378.84 | 31.57 |
| 155 | 9687.5 | 381.3 | 31.78 |
| 156 | 9750 | 383.76 | 31.98 |
| 157 | 9812.5 | 386.22 | 32.19 |
| 158 | 9875 | 388.68 | 32.39 |
| 159 | 9937.5 | 391.14 | 32.60 |
| 160 | 10000 | 393.6 | 32.80 |

NEC CODE NOTES

2023 NEC CODE ARTICLE 410.16 LUMINAIRES IN CLOTHES CLOSETS

(A) Clothes Closet Storage Space

The clothes closet storage space shall be the volume bounded by the sides and back closet walls and planes extending from the closet floor vertically to a height of 1.8 m (6 ft) or to the highest clothes-hanging rod and parallel to the walls at a horizontal distance of 600 mm (24 in.) from the sides and back of the closet walls, respectively. The volume extends vertically to the closet ceiling parallel to the walls at a horizontal distance of 300 mm (12 in.) or the width of the shelf, whichever is greater. For a closet that permits access to both sides of a hanging rod, the clothes closet storage space includes the volume below the highest rod extending 300 mm (12 in.) on either side of the rod on a plane horizontal to the floor extending the entire length of the rod. See Figure 410.16(A).

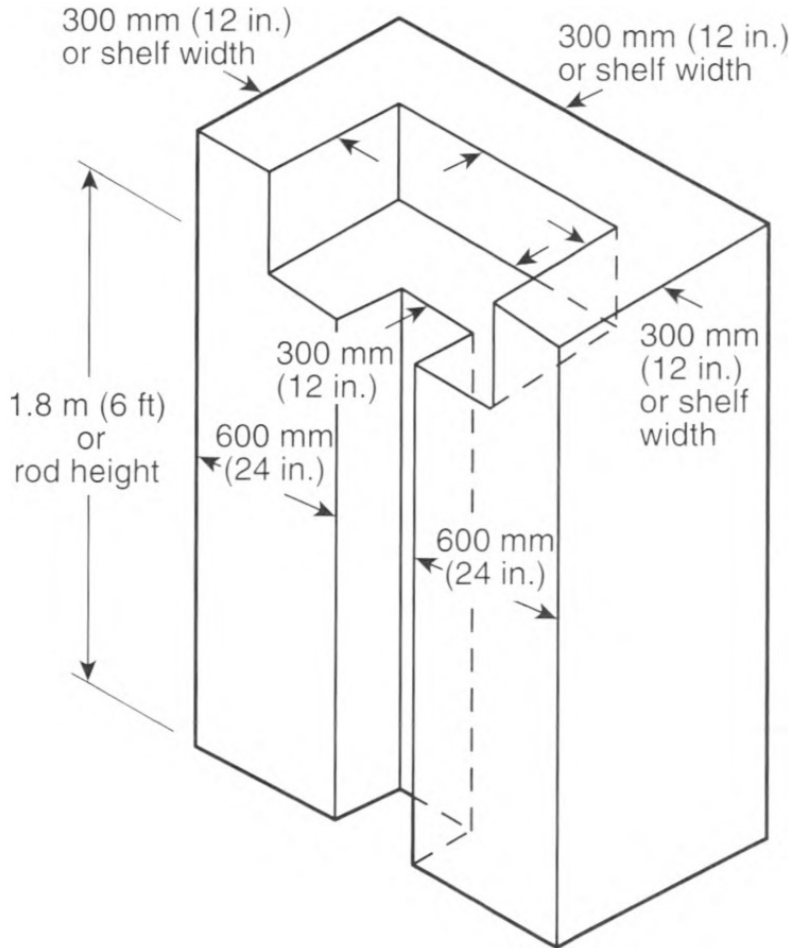


FIGURE 410.16(A) Clothes Closet Storage Space.

(B) Luminaire Types Permitted

Only luminaires of the following types shall be permitted in a clothes closet:

Surface-mounted or recessed incandescent or LED luminaires with completely enclosed light sources

Surface-mounted or recessed fluorescent luminaires

Surface-mounted fluorescent or LED luminaires identified as suitable for installation within the clothes closet storage space

(C) Luminaire Types Not Permitted

Incandescent luminaires with open or partially enclosed lamps and pendant luminaires or lampholders shall not be permitted.

(D) Location

The minimum clearance between luminaires installed in clothes closets and the nearest point of a clothes closet storage space shall be as follows:

300 mm (12 in.) for surface-mounted incandescent or LED luminaires with a completely enclosed light source installed on the wall above the door or on the ceiling.

150 mm (6 in.) for surface-mounted fluorescent luminaires installed on the wall above the door or on the ceiling.

150 mm (6 in.) for recessed incandescent or LED luminaires with a completely enclosed light source installed in the wall or the ceiling.

150 mm (6 in.) for recessed fluorescent luminaires installed in the wall or the ceiling.

Exception: Surface-mounted fluorescent or LED luminaires shall be permitted to be installed within the clothes closet storage space where identified for this use.



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.