

# 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 mounting channel and installed in accordance with NFPA 70, NEC section 410.16 (B)(3) and 410.16 (D)(1)(Exception)



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                          |

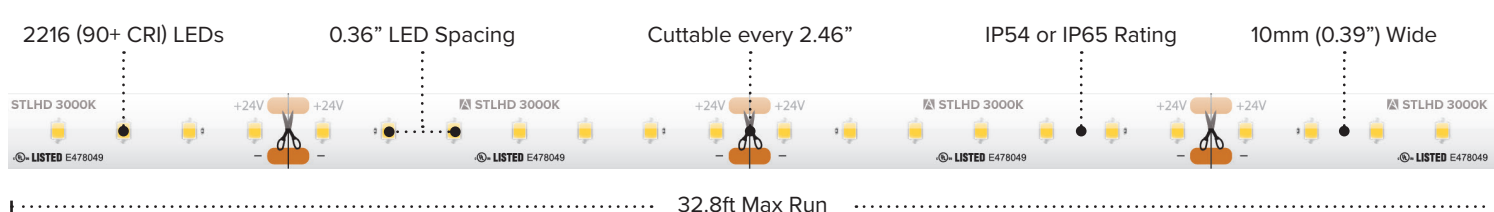
### STLHD SERIES IP RATINGS

**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



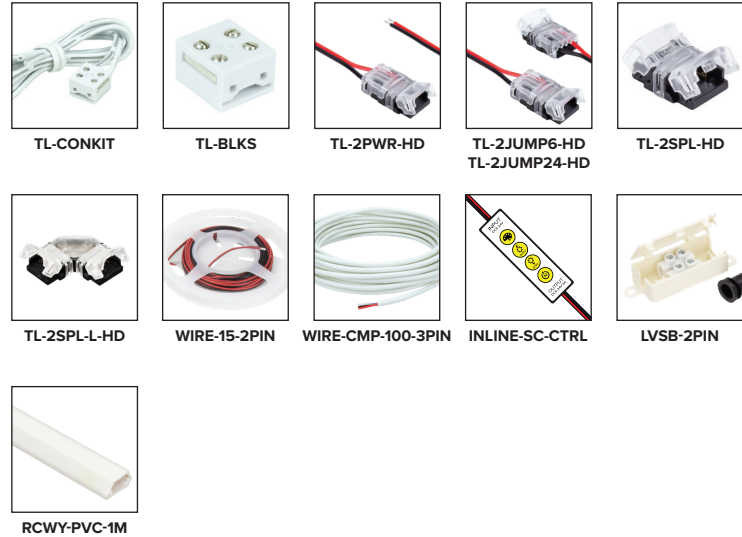
**STLHD SERIES ORDERING INFORMATION** \*Custom Cut Orders - Please Allow Up To 2-4 Weeks Order Processing & Delivery\*

| 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-33   | 24V DC  | 2700K | 32.8 ft | 200Lm / ft  | 2.19W / ft   | IP54      | 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-33    | 24V DC  | 3000K | 32.8 ft | 210Lm / ft  | 2.19W / ft   | IP54      | 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-33    | 24V DC  | 3500K | 32.8 ft | 220Lm / ft  | 2.19W / ft   | IP54      | 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-33    | 24V DC  | 4000K | 32.8 ft | 235Lm / ft  | 2.19W / ft   | IP54      | 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-33    | 24V DC  | 5000K | 32.8 ft | 230Lm / ft  | 2.19W / ft   | IP54      | 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: 6ft lead, 6ft tail, (1) TL-CONKIT, (2) TL-BLKS, (2) TL-2PWR-HD  
 16.4ft Reels (IP65) Include: 2ft Lead +6" Conkit, 2ft Tail +6" Conkit, (2) TL-2PWR-HD  
 32.8ft Reels (IP54) Include: 6ft lead, 6ft tail, (1) TL-CONKIT, (2) TL-BLKS, (2) TL-2PWR-HD  
 100ft Reels (IP54) Include: 6ft lead, 6ft tail, (1) TL-CONKIT, (3) TL-BLKS, (3) 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) |
| LVS-B-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         |

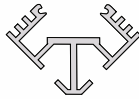
**COMPATIBLE MOUNTING CHANNELS** 10mm



**ECONOMY**

EE1-AAFR

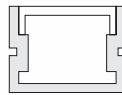
Dimensions: 5/8" (16mm) W  
x 1/4" (7mm) H



**ECONOMY 45**

EE45-AAFR

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



**UNIVERSAL**

PE-AA2 / PE-UNV

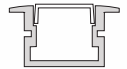
Dimensions: 16/25" (16mm) W  
x 47/100" (12mm) H



**UNIVERSAL MINI**

PE-AA1 / PE-UNV MINI

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



**DOUBLE FLANGE**

PE-AA2DF

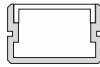
Dimensions: 5/8" (16mm) W  
x 7/16" (11mm) H



**MINI DOUBLE FLANGE**

PE-AA1DF

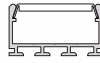
Dimensions: 19/32" (15mm) W  
x 5/32" (4mm) H



**GT**

PE-GT

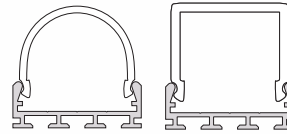
Dimensions: 3/4" (19mm) W  
x 1/2" (12mm) H



**GTX**

PE-GTX

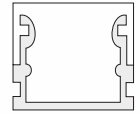
Dimensions: 1" (26mm) W  
x 9/16" (14.5mm) H



**TURBO**

PE-TURBO2

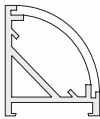
Dimensions: 1" (26mm) W x 1" (25mm) H



**TRACE**

PE-TRACE

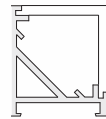
Dimensions: 13/16" (21mm) W  
x 13/16" (21mm) H



**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

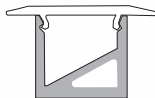
Dimensions: 1.35" (34.2mm) W  
x 0.47" (12mm) H



**CAMBER**

PE-CMBR

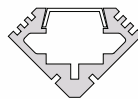
Dimensions: 0.71" (18mm) W x  
0.23" (5.7mm) H



**BEVEL 28**

PE-B28

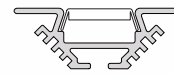
Dimensions: .47" (12mm) W  
x .47" (12mm) H



**PREMIUM 45**

PE-AA45

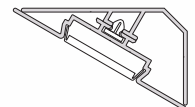
Dimensions: 3/4" (19mm) W  
x 3/4" (19mm) H



**PRO 45**

PE-PRO45

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



**PRO 30**

PE-PRO30

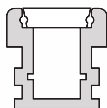
Dimensions: 1-13/16" (46mm) W  
x 1-1/16" (27mm) H



**HELM**

PE-HELM

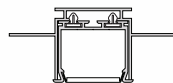
Dimensions: 13/16" (20mm) W  
x 11/32" (8.5mm) H



**PAVER**

PE-PAVER

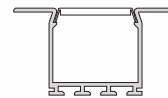
Dimensions: 1" (26mm) W  
x 1" (26mm) H



**MINI FLANGE SLOT**

PE-SLOT

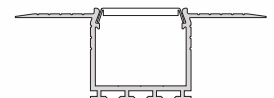
Dimensions: 1-3/16" (30mm) W  
x 15/16" (24mm) H



**STANDARD FLANGE SLOT**

PE-DFSLOT

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



**INVISIBLE SLOT**

PE-INVSLT

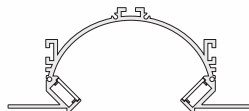
Dimensions: 1-1/16" (27mm) W  
x 15/16" (24mm) H



**VERGE**

PE-VERGE

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



**ARC**

PE-ARC

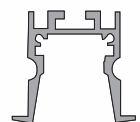
Dimensions: 4-13/16" (122.4mm) W  
x 2" (50.8mm) H



**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

**NOTES ON CLOSET LIGHTING**

**Closet Lighting | NEC 410.16 | Brief Overview**

Please see 2026 NFPA NEC Code Book Section 41.16 for details code requirements

**Do Closets Need Lighting?**

- Not required by the NEC Code
- If installed, lighting must comply with NEC 410.1

**Why Closet Lighting Is Regulated**

- Clothing, fabric, and paper materials can be combustible
- Tight spaces increase fire risk
- Rules protect people and property
- 

**Approved Fixture Types**

- Surface-mounted or recessed LED or incandescent
- Light source must be fully enclosed
- Fluorescent fixtures allowed
- Fixtures labeled for closet use are preferred
- Open or partially exposed bulbs are not allowed including pendants

**What Counts as “Storage Space”?**

- From floor to 6ft high or highest hanging rod
  - 24in out from side and back walls
  - Above shelves, up to ceiling within 12in of wall or shelf depth
  - 12in on each side of double-sided hanging rods
- Fixtures must stay outside this space unless specifically rated.

**Minimum Clearance Requirements**

From storage space:

- 12 in → Surface-mounted enclosed LED/incandescent
- 6 in → Recessed enclosed LED/incandescent

**Benefits of Surface-Mounted vs. Recessed**

**Surface-Mounted**

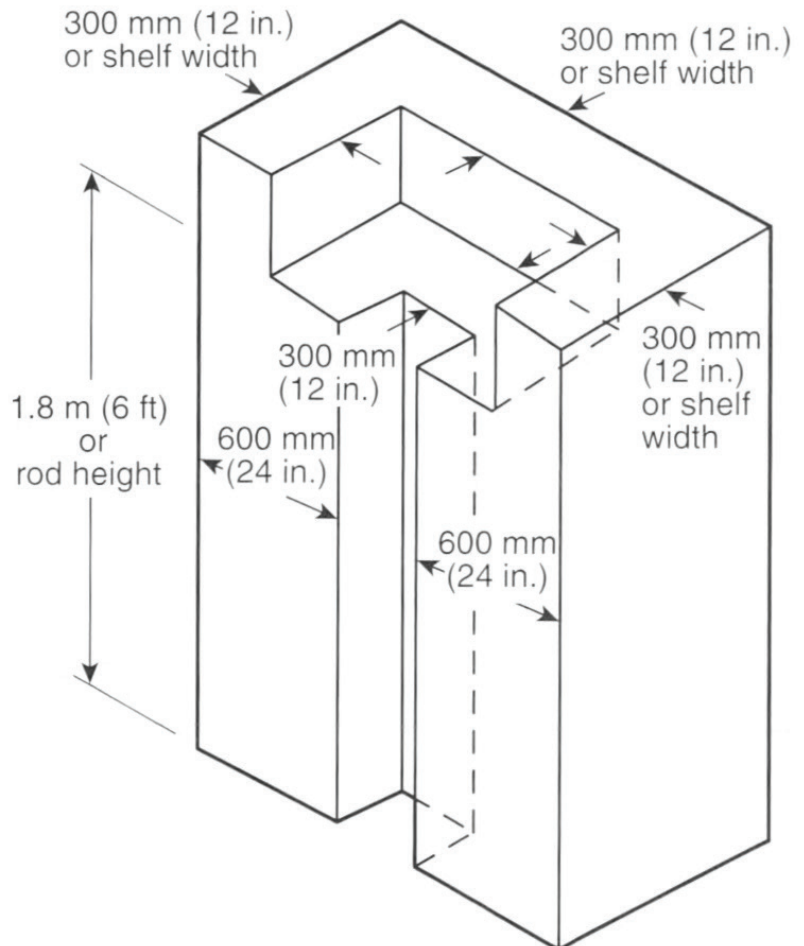
- Easy install
- Ideal for shallow closets
- Flexible placement

**Recessed**

- Clean, modern look
- No protrusions
- Requires wall/ceiling depth

**Wiring & Controls**

- Wiring must meet NEC standards
- Conductors must be protected
- Light switch should be near the entrance



**FIGURE 410.16(A)** Clothes Closet Storage Space.



## 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.