

STL SERIES TAPE LIGHT

24V / 12V DC Standard Grade Single Color

Build an economical and versatile layered lighting system with Standard Grade tape light. Light output ranging from 100-155 lumens per foot, with easy to work with run lengths up to 32.8 feet, Standard Grade is perfect for accent lighting applications when soft and subtle lighting is desired.

- Standard Grade output performance
- Available in 2400K, 2700K, 3000K, and 4000K
- Up to 96+ color rendering index
- Lumen output ranging from 100Lm to 155Lm per foot
- Cuttable every 6.56" (24V) / 3.94" (12V) with 32.8ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 & IP65 rating options
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- 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.
- cULus Listed for indoor dry/damp, and wet locations
- JA8 Compliant
- 50,000 hours rated life



PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:



STL SERIES QUICK SPECS

VOLTAGE	24V DC / 12V DC
WATTAGE	2.19W / ft
LUMENS	Up to 155Lm / ft
CCT OPTIONS	2400K / 2700K / 3000K / 4000K
CRI	90+
MAX RUN	32.8ft (24V) / 27ft (12V)
CUTTING POINTS	6.56" (167mm) 24V / 3.94" (100mm) 12V
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

*Not compatible with Switchex All-in-one LED Driver + In-Wall Dimmer Switch

STL SERIES IP RATINGS



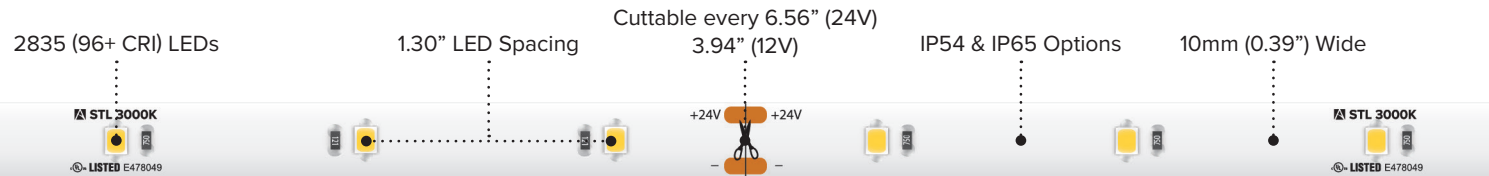
IP54 (Coated)
Features a light nano-coating applied to the tape light and LED's that protects from moisture and dust.
Best suited: Indoor dry & damp locations



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.

STL SERIES QUICK LOOK



32.8 ft (24V) / 27 ft (12V) Max Run

STL 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
STL-UWX-33	24V DC	2400K	32.8 ft	140Lm / ft	2.19W / ft	IP54	94+	6.56" (167mm)	32.8 ft
STL-UWW	24V DC	2700K	16.4 ft	146Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL-UWW-33	24V DC	2700K	32.8 ft	146Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL65-UWW	24V DC	2700K	16.4 ft	105Lm / ft	2.19W / ft	IP65	94+	6.56" (167mm)	32.8 ft
STL-UWW-100	24V DC	2700K	100 ft	146Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL-WW	24V DC	3000K	16.4 ft	150Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL-WW-33	24V DC	3000K	32.8 ft	150Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL65-WW	24V DC	3000K	16.4 ft	115Lm / ft	2.19W / ft	IP65	94+	6.56" (167mm)	32.8 ft
STL-WW-100	24V DC	3000K	100 ft	150Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL-WW-100-12V	12V DC	3000K	100 ft	150Lm / ft	2.19W / ft	IP54	96+	3.94" (100mm)	27 ft
STL-WH	24V DC	4000K	16.4 ft	155Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL-WH-33	24V DC	4000K	32.8 ft	155Lm / ft	2.19W / ft	IP54	96+	6.56" (167mm)	32.8 ft
STL65-WH	24V DC	4000K	16.4 ft	125Lm / ft	2.19W / ft	IP65	94+	6.56" (167mm)	32.8 ft

16.4ft & 33ft (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
100ft Reels (IP54) Include: 6ft lead, 6ft tail, (1) TL-CONKIT, (3) TL-BLKS, (3) TL-2PWR-HD

STL 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 (IP54)
TL-2JUMP24-HD	24" HD Linking Cable (IP54)
TL-2SPL-HD	HD Tape to Tape Splice Connector (IP54)
TL-2SPL-L-HD	90° "L" HD Tape to Tape Splice Connector (IP54)
TL-2JUMP65-.5	6" Linking Cable (IP65)
TL-2JUMP65-1	12" Linking Cable (IP65)
TL-2JUMP65-2	24" Linking Cable (IP65)
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



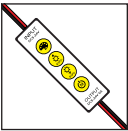
TL-2JUMP65-.5
TL-2JUMP65-1
TL-2JUMP65-2



WIRE-15-2PIN



WIRE-CMP-100-3PIN



INLINE-SC-CTRL



LVSB-2PIN



RCWY-PVC-1M

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

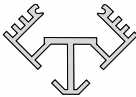
STL SERIES CUT INCREMENT GUIDE							
Segment	Length (MM)	Length (Inches)	Length (Feet)	Segment	Length (MM)	Length (Inches)	Length (Feet)
1	166	6.56	0.55	31	5146	203.36	16.95
2	332	13.12	1.09	32	5312	209.92	17.49
3	498	19.68	1.64	33	5478	216.48	18.04
4	664	26.24	2.19	34	5644	223.04	18.59
5	830	32.8	2.73	35	5810	229.6	19.13
6	996	39.36	3.28	36	5976	236.16	19.68
7	1162	45.92	3.83	37	6142	242.72	20.23
8	1328	52.48	4.37	38	6308	249.28	20.77
9	1494	59.04	4.92	39	6474	255.84	21.32
10	1660	65.6	5.47	40	6640	262.4	21.87
11	1826	72.16	6.01	41	6806	268.96	22.41
12	1992	78.72	6.56	42	6972	275.52	22.96
13	2158	85.28	7.11	43	7138	282.08	23.51
14	2324	91.84	7.65	44	7304	288.64	24.05
15	2490	98.4	8.20	45	7470	295.2	24.60
16	2656	104.96	8.75	46	7636	301.76	25.15
17	2822	111.52	9.29	47	7802	308.32	25.69
18	2988	118.08	9.84	48	7968	314.88	26.24
19	3154	124.64	10.39	49	8134	321.44	26.79
20	3320	131.2	10.93	50	8300	328	27.33
21	3486	137.76	11.48	51	8466	334.56	27.88
22	3652	144.32	12.03	52	8632	341.12	28.43
23	3818	150.88	12.57	53	8798	347.68	28.97
24	3984	157.44	13.12	54	8964	354.24	29.52
25	4150	164	13.67	55	9130	360.8	30.07
26	4316	170.56	14.21	56	9296	367.36	30.61
27	4482	177.12	14.76	57	9462	373.92	31.16
28	4648	183.68	15.31	58	9628	380.48	31.71
29	4814	190.24	15.85	59	9794	387.04	32.25
30	4980	196.8	16.40	60	9960	393.6	32.80

COMPATIBLE MOUNTING CHANNELS 10mm



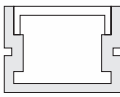
ECONOMY
EE1-AAFR

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



ECONOMY 45
EE45-AAFR

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



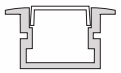
UNIVERSAL
PE-AA2 / PE-UNV

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



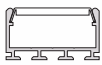
MINI DOUBLE FLANGE
PE-AA1DF

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



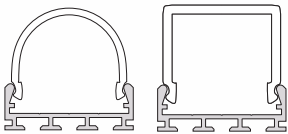
GT
PE-GT

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



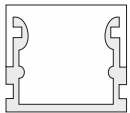
GTX
PE-GTX

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



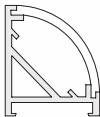
TURBO
PE-TURBO2

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



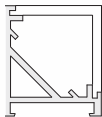
TRACE
PE-TRACE

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



RADIUS
PE-RAD

Dimensions: 25/32" (20mm) W
x 29/32" (23mm) H



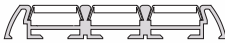
RUBIK
PE-RUBIK

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



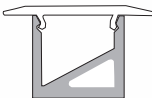
DYAD
PE-DYAD

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



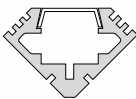
CAMBER
PE-CMBR

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



BEVEL 28
PE-B28

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



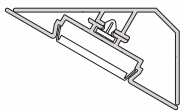
PREMIUM 45
PE-AA45

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



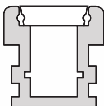
PRO 30
PE-PRO30

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



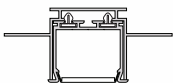
HELM
PE-HELM

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



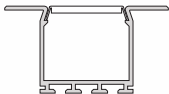
PAVER
PE-PAVER

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



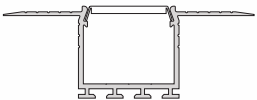
MINI FLANGE SLOT
PE-SLOT

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



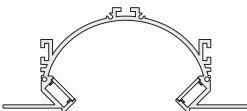
INVISIBLE SLOT
PE-INVSLT

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



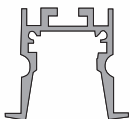
ARC
PE-ARC

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

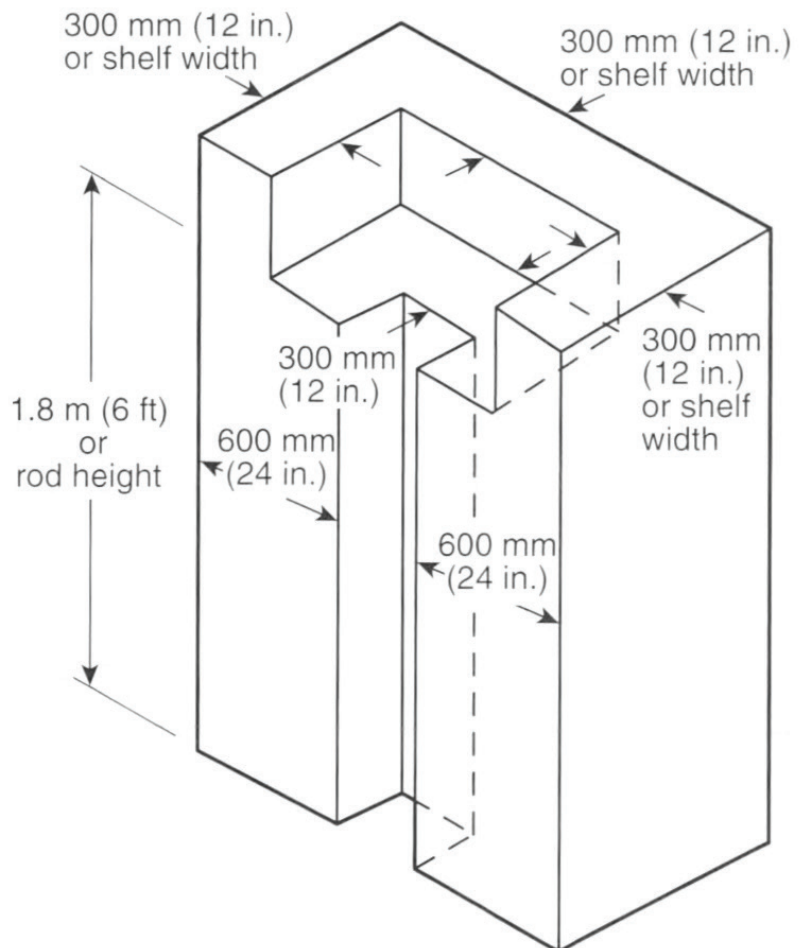
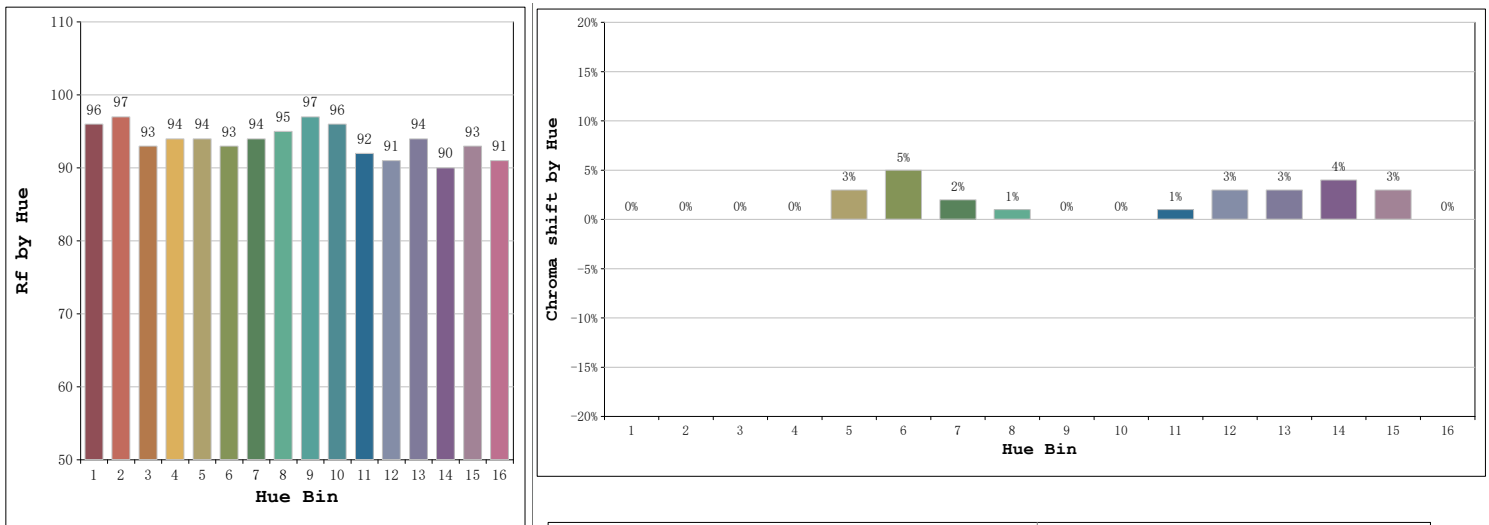
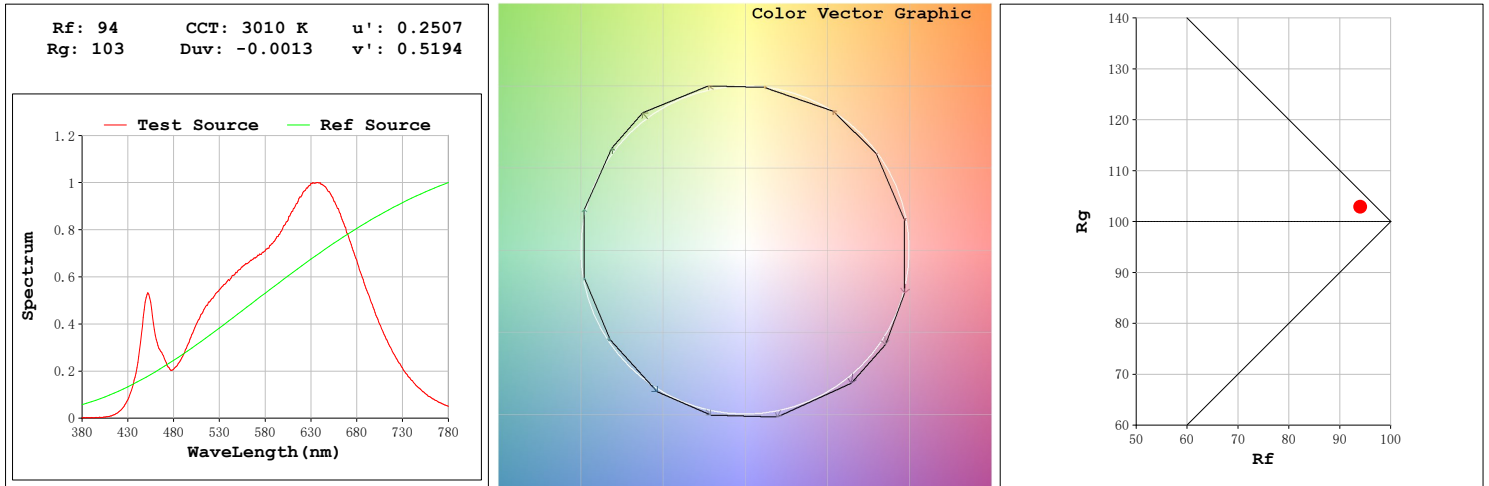


FIGURE 410.16(A) Clothes Closet Storage Space.

STL SERIES TM-30 DATA - 3000K



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	96	0	0
2	22.5° - 45.0°	97	0	1
3	45.0° - 67.5°	93	0	3
4	67.5° - 90.0°	94	0	2
5	90.0° - 112.5°	94	3	3
6	112.5° - 135.0°	93	5	1
7	135.0° - 157.5°	94	2	-1
8	157.5° - 180.0°	95	1	-2
9	180.0° - 202.5°	97	0	0
10	202.5° - 225.0°	96	0	2
11	225.0° - 247.5°	92	1	5
12	247.5° - 270.0°	91	3	4
13	270.0° - 292.5°	94	3	-2
14	292.5° - 315.0°	90	4	-3
15	315.0° - 337.5°	93	3	-3
16	337.5° - 360.0°	91	0	-4



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. 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.