

COB SERIES TAPE LIGHT

24V DC 4mm COB tape light

4mm COB Tape Light features uniform illumination without the need for additional diffused covers or accessories. Featuring a premium seamless line of light making it an ideal solution for areas with low clearance or reflective surfaces to eliminate virtually all dotting or spot-glare effects.

- Seamless COB design that eliminates virtually all LED dotting
- Available in 2700K, 3000K, and 4000K
- 90+ color rendering index
- Lumen output ranging from 210Lm to 240Lm per foot
- Cuttable every 1.97" within 16.4ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP54 Coated rating
- 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 mounting channel and installed in accordance with NFPA 70, NEC section 410.16 (B)(3) and 410.16 (D)(1)(Exception)

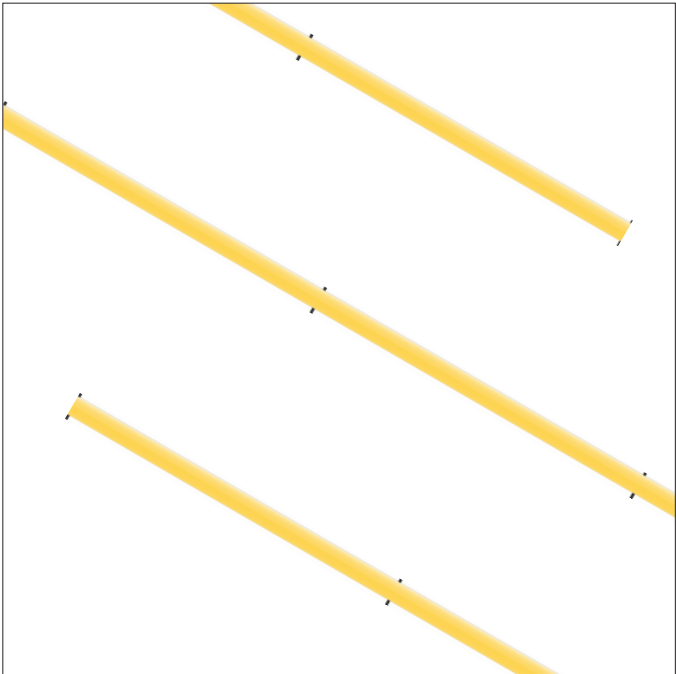


PROJECT:

TYPE:

LOCATION:

CATALOG NUMBER:

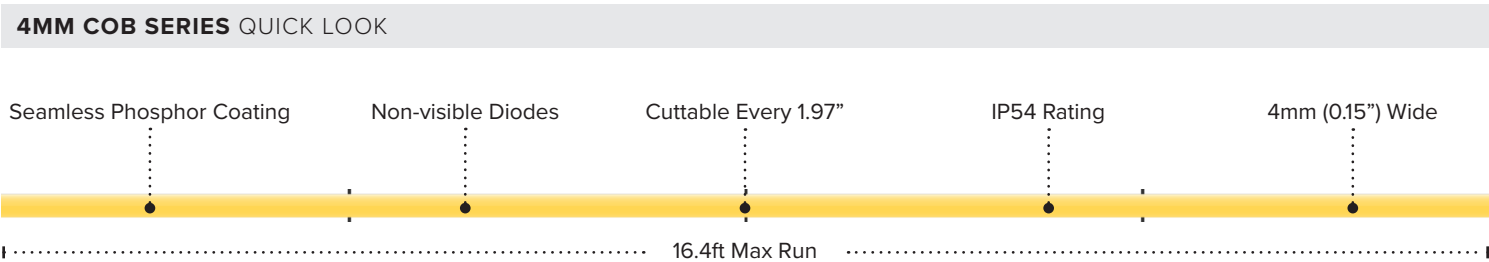


4MM COB SERIES QUICK SPECS	
VOLTAGE	24V DC
WATTAGE	2.43W / ft
LUMENS	Up to 240Lm / ft
CCT OPTIONS	2700K / 3000K / 4000K
CRI	90+
MAX RUN	16.4ft
CUTTING POINTS	1.97" (50mm)
IP RATING	IP54 Coated
DIMMING	TRIAC / ELV (5-100%)
DIMENSIONS	0.18" (4mm) W x 0.18" (4mm) H
BEAM ANGLE	120°
OPERATING TEMP	5°C (41°F) to 70°C (158°F)
CERTIFICATIONS	cULus Listed - Dry/Damp Locations
RATED LIFE	50,000 Hours

4MM COB 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



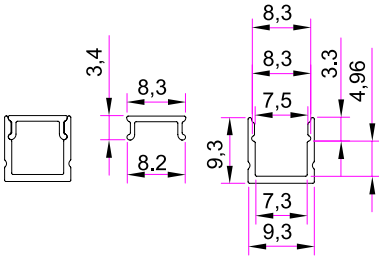
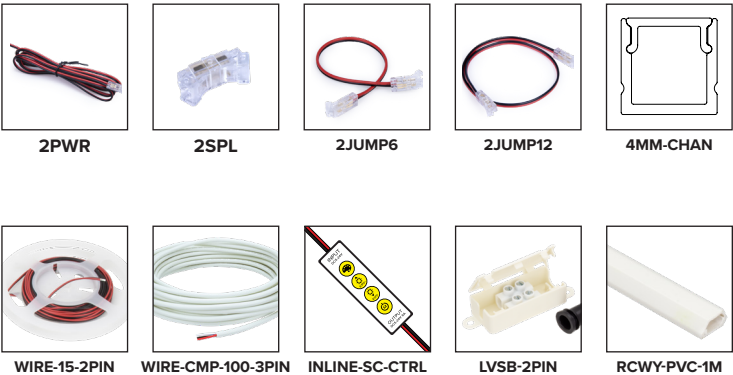
4MM COB SERIES ORDERING INFORMATION

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
TL4MM-COB-27K-16	24V DC	2700K	16.4 ft	210Lm / ft	2.43W / ft	IP54	90+	1.97" (50mm)	16.4 ft
TL4MM-COB-30K-16	24V DC	3000K	16.4 ft	230Lm / ft	2.43W / ft	IP54	90+	1.97" (50mm)	16.4 ft
TL4MM-COB-40K-16	24V DC	4000K	16.4 ft	240Lm / ft	2.43W / ft	IP54	90+	1.97" (50mm)	16.4 ft

16.4ft Reels (IP54) Include: 6ft lead, 6ft tail

4MM COB SERIES ACCESSORIES

ITEM NUMBER	DESCRIPTION
TL-2PWR-5MMCOB	2PIN 4MM/5MM COB CONNECTOR, 6FT POWER
TL-2SPL-5MMCOB	2PIN 4MM/5MM COB CONNECTOR, SPLICE
TL-2JUMP6-5MMCOB	2PIN 4MM/5MM COB CONNECTOR, 6IN LINKING
TL-2JUMP12-5MMCOB	2PIN 4MM/5MM COB CONNECTOR, 12IN LINKING
TL4MM-CHAN-1M	1M ALUMINUM CHANNEL FOR 4MM/5MM TAPE LIGHT
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

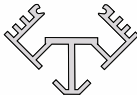
ITEM NUMBER	DESCRIPTION	MAX / MIN LOAD	INPUT VOLTAGE	OUTPUT VOLTAGE	DIMMABLE	DIMENSIONS
ADPT-DRJ-30-24	Adaptive Series 30W	30W / 3W	100-277V AC	24V	Yes*	6.49"L x 3.6"W x 1.02"H
ADPT-DRJ-60-24	Adaptive Series 60W	60W / 6W	100-277V AC	24V	Yes*	7.4"L x 3.6"W x 1.02"H
ADPT-DRJ-96-24	Adaptive Series 96W	96W / 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 MLV, ELV, and TRIAC Dimmers

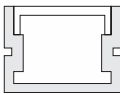
COMPATIBLE MOUNTING CHANNELS 10mm



ECONOMY
EE1-AAFR
Dimensions: 5/8" (16mm) W
x 1/4" (7mm) H



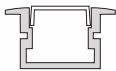
ECONOMY 45
EE45-AAFR
Dimensions: 3/4" (19mm) W
x 3/4" (19mm) H



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



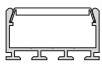
DOUBLE FLANGE
PE-AA2DF
Dimensions: 5/8" (16mm) W
x 7/16" (11mm) H



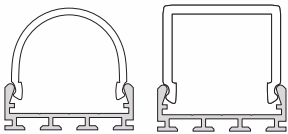
MINI DOUBLE FLANGE
PE-AA1DF
Dimensions: 19/32" (15mm) W
x 5/32" (4mm) H



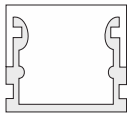
GT
PE-GT
Dimensions: 3/4" (19mm) W
x 1/2" (12mm) H



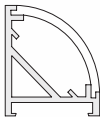
GTX
PE-GTX
Dimensions: 1" (26mm) W
x 9/16" (14.5mm) H



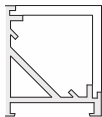
TURBO
PE-TURBO2
Dimensions: 1" (26mm) W x 1" (25mm) H



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



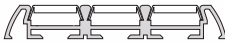
RADIUS
PE-RAD
Dimensions: 25/32" (20mm) W
x 29/32" (23mm) H



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



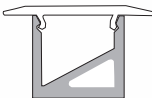
TRIPLE STANT
PE-3STANT
Dimensions: 2-11/32" (59mm) W
x 3/8" (9mm) H



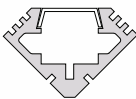
DYAD
PE-DYAD
Dimensions: 1.35" (34.2mm) W
x 0.47" (12mm) H



CAMBER
PE-CMBR
Dimensions: 0.71" (18mm) W x
0.23" (5.7mm) H



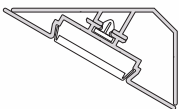
BEVEL 28
PE-B28
Dimensions: .47" (12mm) W
x .47" (12mm) H



PREMIUM 45
PE-AA45
Dimensions: 3/4" (19mm) W
x 3/4" (19mm) H



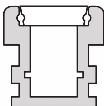
PRO 45
PE-PRO45
Dimensions: 1-3/16" (30mm) W
x 7/16" (10mm) H



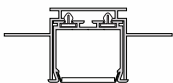
PRO 30
PE-PRO30
Dimensions: 1-13/16" (46mm) W
x 1-1/16" (27mm) H



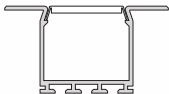
HELM
PE-HELM
Dimensions: 13/16" (20mm) W
x 11/32" (8.5mm) H



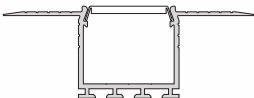
PAVER
PE-PAVER
Dimensions: 1" (26mm) W
x 1" (26mm) H



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



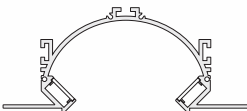
STANDARD FLANGE SLOT
PE-DFSLOT
Dimensions: 1" (25mm) W
x 15/16" (24mm) H



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



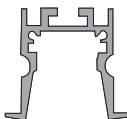
VERGE
PE-VERGE
Dimensions: 4.85" (123.83mm) W
x 25/64" (10mm) H



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

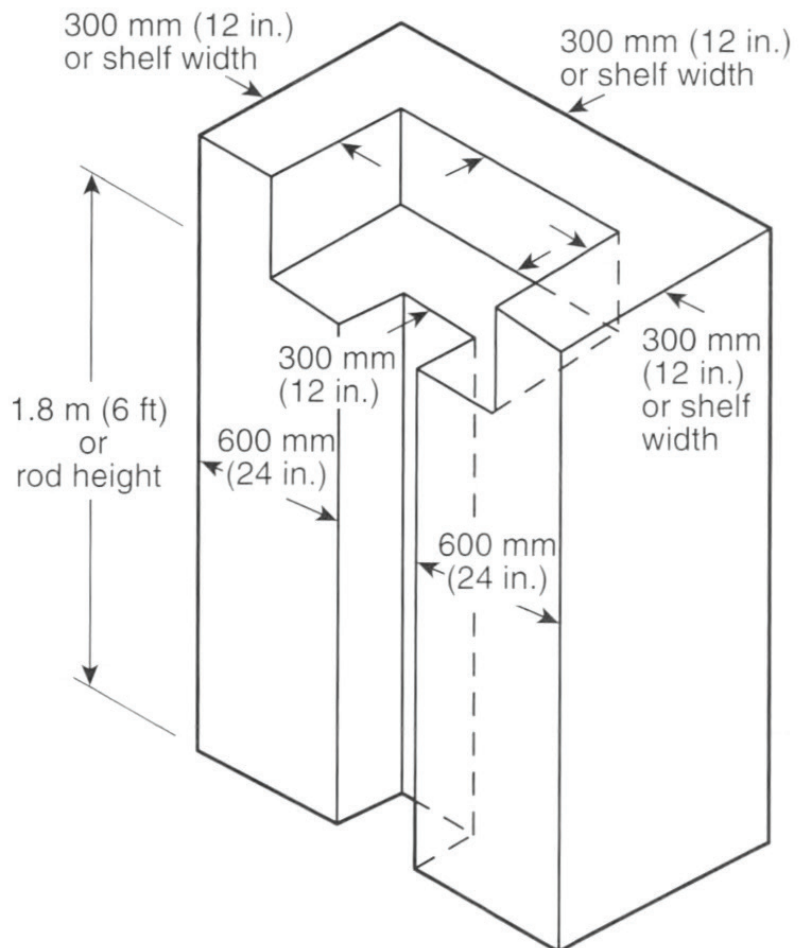
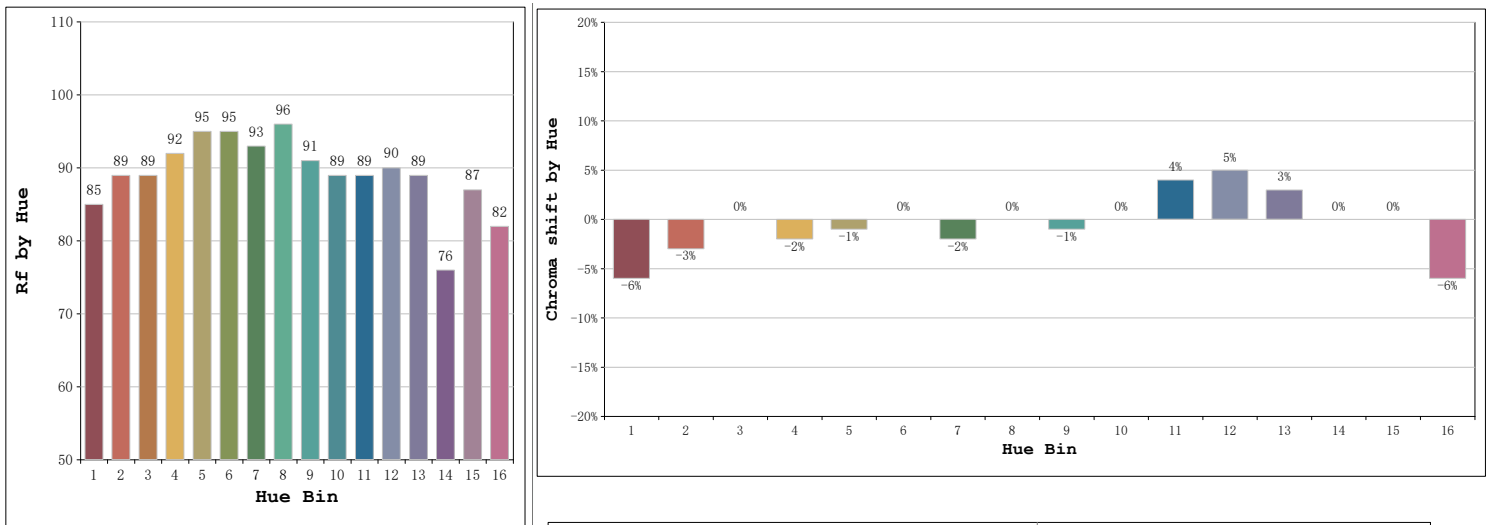
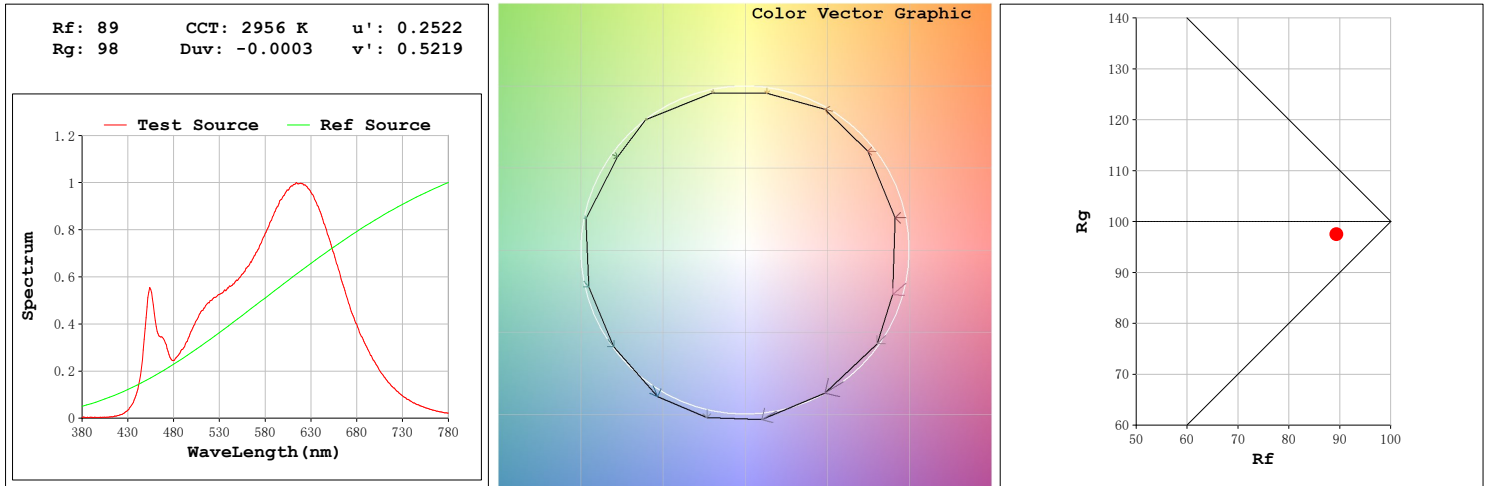


FIGURE 410.16(A) Clothes Closet Storage Space.

TL4MM-COB SERIES TM-30 DATA - 3000K



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	85	-6	1
2	22.5° - 45.0°	89	-3	3
3	45.0° - 67.5°	89	0	5
4	67.5° - 90.0°	92	-2	0
5	90.0° - 112.5°	95	-1	1
6	112.5° - 135.0°	95	0	1
7	135.0° - 157.5°	93	-2	0
8	157.5° - 180.0°	96	0	2
9	180.0° - 202.5°	91	-1	4
10	202.5° - 225.0°	89	0	6
11	225.0° - 247.5°	89	4	6
12	247.5° - 270.0°	90	5	1
13	270.0° - 292.5°	89	3	-9
14	292.5° - 315.0°	76	0	-12
15	315.0° - 337.5°	87	0	-6
16	337.5° - 360.0°	82	-6	-7



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.