

COB SERIES TAPE LIGHT

24V DC High Output COB seamless tape light

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, 3500K, 4000K, and 5000K
- 90+ color rendering index
- Lumen output ranging from 349Lm to 448Lm per foot
- Cuttable every 1.97" with 16.4ft max run
- Easy installation featuring 3M VHB adhesive backing
- Available in IP20 uncoated, IP54 coated, and IP65 Jacketed
- Dimmable (5-100%) with most ELV, TRIAC dimmers
- cULus Listed for indoor dry (IP20) or wet (IP65) locations
- JA8 Compliant
- 50,000 hours rated life
- 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:



COB SERIES QUICK SPECS	
VOLTAGE	24V DC
WATTAGE	4.5W / ft
LUMENS	Up to 448Lm / ft
CCT OPTIONS	2700K / 3000K / 3500K / 4000K / 5000K
CRI	90+
MAX RUN	16.4ft
CUTTING POINTS	1.97" (50mm)
IP RATING	IP20 - Uncoated / IP65 - Jacketed
DIMMING	TRIAC / ELV (5-100%)
DIMENSIONS	0.39" (10mm) W x 0.09" (2.5mm) H
BEAM ANGLE	120°
OPERATING TEMP	5°C (41°F) to 70°C (158°F)
CERTIFICATIONS	cULus Listed - Dry Locations (IP20) & Wet Locations (IP65)
RATED LIFE	50,000 Hours

COB SERIES IP RATINGS	
	IP20 (Uncoated) Uncoated tape light and LED's Best suited: Indoor dry location
	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

COB SERIES QUICK LOOK

Seamless Phosphor Coating

Non-visible Diodes

Cuttable every 1.97"

IP20, IP54, & IP65 Ratings

10mm (0.39") Wide

16.4ft Max Run

COB SERIES ORDERING INFORMATION

ITEM NUMBER	VOLTAGE	CCT	LENGTH	LUMENS / FT	WATTAGE / FT	IP RATING	CRI	CUTTING	MAX RUN
HTL20-COB-UWW-16	24V DC	2700K	16.4 ft	369Lm / ft	4.5W / ft	IP20	90+	1.97"	16.4 ft
HTL-COB-UWW-16	24V DC	2700K	16.4 ft	369Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL65-COB-UWW-16	24V DC	2700K	16.4 ft	349Lm / ft	4.5W / ft	IP65	90+	1.97"	16.4 ft
HTL-COB-UWW-100	24V DC	2700K	100 ft	369Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL20-COB-WW-16	24V DC	3000K	16.4 ft	409Lm / ft	4.5W / ft	IP20	90+	1.97"	16.4 ft
HTL-COB-WW-16	24V DC	3000K	16.4 ft	409Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL65-COB-WW-16	24V DC	3000K	16.4 ft	379Lm / ft	4.5W / ft	IP65	90+	1.97"	16.4 ft
HTL-COB-WW-100	24V DC	3000K	100 ft	409Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL20-COB-NW-16	24V DC	3500K	16.4 ft	413Lm / ft	4.5W / ft	IP20	90+	1.97"	16.4 ft
HTL-COB-NW-16	24V DC	3500K	16.4 ft	413Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL65-COB-NW-16	24V DC	3500K	16.4 ft	387Lm / ft	4.5W / ft	IP65	90+	1.97"	16.4 ft
HTL-COB-NW-100	24V DC	3500K	100 ft	413Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL20-COB-WH-16	24V DC	4000K	16.4 ft	460Lm / ft	4.5W / ft	IP20	90+	1.97"	16.4 ft
HTL-COB-WH-16	24V DC	4000K	16.4 ft	460Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL65-COB-WH-16	24V DC	4000K	16.4 ft	415Lm / ft	4.5W / ft	IP65	90+	1.97"	16.4 ft
HTL-COB-WH-100	24V DC	4000K	100 ft	460Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL20-COB-CW-16	24V DC	5000K	16.4 ft	448Lm / ft	4.5W / ft	IP20	90+	1.97"	16.4 ft
HTL-COB-CW-16	24V DC	5000K	16.4 ft	448Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft
HTL65-COB-CW-16	24V DC	5000K	16.4 ft	434Lm / ft	4.5W / ft	IP65	90+	1.97"	16.4 ft
HTL-COB-CW-100	24V DC	5000K	100 ft	448Lm / ft	4.5W / ft	IP54	90+	1.97"	16.4 ft

16.4ft Reels (IP20/IP54) Include: Attached 6ft Lead Wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
16.4ft Reels (IP65) Include: Attached 6ft IP65 Lead Wire Connection / (3) HD Power Feeds (IP20)
100ft Reels (IP54) Include: Attached 6ft Lead Wire / (5) TL-CONKIT / (5) TL-BLKS / (5) TL-2PWR-HD

COB 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)
LVS-B-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



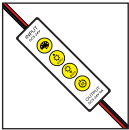
TL-2JUMP65-.5
TL-2JUMP65-1
TL-2JUMP65-2



WIRE-15-2PIN



WIRE-CMP-100-3PIN



INLINE-SC-CTRL



LVS-B-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	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

COB SERIES CUT INCREMENT GUIDE

Segment	Length (MM)	Length (Inches)	Length (Feet)
1	50	1.97	0.16
2	100	3.94	0.33
3	150	5.91	0.49
4	200	7.87	0.66
5	250	9.84	0.82
6	300	11.81	0.98
7	350	13.78	1.15
8	400	15.75	1.31
9	450	17.72	1.48
10	500	19.68	1.64
11	550	21.65	1.80
12	600	23.62	1.97
13	650	25.59	2.13
14	700	27.56	2.30
15	750	29.53	2.46
16	800	31.5	2.63
17	850	33.46	2.79
18	900	35.43	2.95
19	950	37.4	3.12
20	1000	39.37	3.28
21	1050	41.34	3.45
22	1100	43.31	3.61
23	1150	45.28	3.77
24	1200	47.24	3.94
25	1250	49.21	4.10
26	1300	51.18	4.27
27	1350	53.15	4.43
28	1400	55.12	4.59
29	1450	57.09	4.76
30	1500	59.06	4.92
31	1550	61.02	5.09
32	1600	62.99	5.25
33	1650	64.96	5.41
34	1700	66.93	5.58

Segment	Length (MM)	Length (Inches)	Length (Feet)
35	1750	68.9	5.74
36	1800	70.87	5.91
37	1850	72.83	6.07
38	1900	74.8	6.23
39	1950	76.77	6.40
40	2000	78.74	6.56
41	2050	80.71	6.73
42	2100	82.68	6.89
43	2150	84.65	7.05
44	2200	86.61	7.22
45	2250	88.58	7.38
46	2300	90.55	7.55
47	2350	92.52	7.71
48	2400	94.49	7.87
49	2450	96.46	8.04
50	2500	98.43	8.20
51	2550	100.39	8.37
52	2600	102.36	8.53
53	2650	104.33	8.69
54	2700	106.3	8.86
55	2750	108.27	9.02
56	2800	110.24	9.19
57	2850	112.2	9.35
58	2900	114.17	9.51
59	2950	116.14	9.68
60	3000	118.11	9.84
61	3050	120.08	10.01
62	3100	122.05	10.17
63	3150	124.02	10.34
64	3200	125.98	10.50
65	3250	127.95	10.66
66	3300	129.92	10.83

Segment	Length (MM)	Length (Inches)	Length (Feet)
67	3350	131.89	10.99
68	3400	133.86	11.16
69	3450	135.83	11.32
70	3500	137.79	11.48
71	3550	139.76	11.65
72	3600	141.73	11.81
73	3650	143.7	11.98
74	3700	145.67	12.14
75	3750	147.64	12.30
76	3800	149.61	12.47
77	3850	151.57	12.63
78	3900	153.54	12.80
79	3950	155.51	12.96
80	4000	157.48	13.12
81	4050	159.45	13.29
82	4100	161.42	13.45
83	4150	163.39	13.62
84	4200	165.35	13.78
85	4250	167.32	13.94
86	4300	169.29	14.11
87	4350	171.26	14.27
88	4400	173.23	14.44
89	4450	175.2	14.60
90	4500	177.17	14.76
91	4550	179.13	14.93
92	4600	181.1	15.09
93	4650	183.07	15.26
94	4700	185.04	15.42
95	4750	187.01	15.58
96	4800	188.98	15.75
97	4850	190.94	15.91
98	4900	192.91	16.08
99	4950	194.88	16.24
100	5000	196.85	16.40

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).

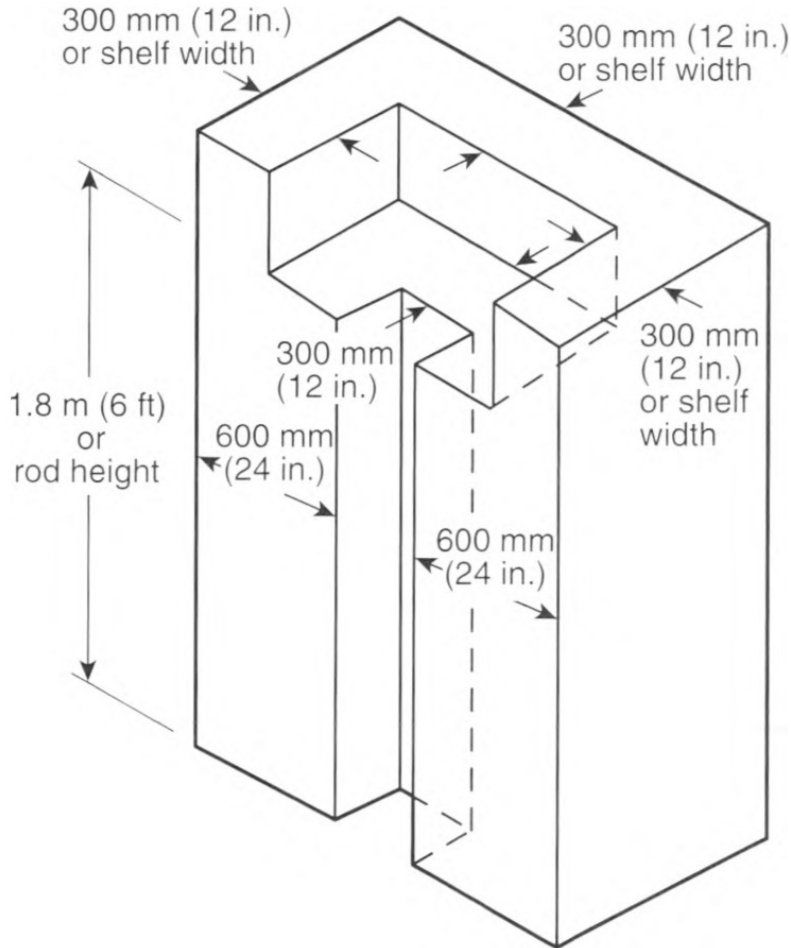


FIGURE 410.16(A) Clothes Closet Storage Space.

(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.