

DLDT-COB-H

High Output COB Tape Light

COB style tape lights provide dot free lighting with no visible hotspots. Using chip on board (COB) LEDs these strips are designed for seamless linear lighting. COB strips fit into profile channels or can be installed directly to substrate.

DATE _____

PROJECT NOTES _____



IP20 / IP67



24 VDC



JA8

24V

INPUT

90

CRI

160°

BEAM

309

LM/FT

4.5W

PER FT

16 ft

MAX RUN

FEATURES

- 90+ CRI color rendering
- 160° beam angle
- Cuttable every 1.7 in.
- IP20 & IP67 wet-location options
- 4.5 W/ft (IP20) · 3.6 W/ft (IP67) power draw
- 5-Year Limited Warranty



ORDERING CODES

SERIES	CCT		IP RATING		LENGTH		CONNECTOR	
DLDT- COB-H	27	2700K	20	IP20	16	16 ft standard	BW6	Bare wire 6"
	30	3000K	67	IP67	CSTM	Custom length	BW__	Bare wire custom
	35	3500K					BRL	Barrel connector
	40	4000K					CLIPS	
	50	5000K					NONE	

GENERAL SPECIFICATIONS

Input Voltage	24VDC
CRI	90
Beam Angle	160°
Color Temperature	2700K – 5000K
Strip Width	.39"
LED Chip	2835
Cut Interval	1.7 in.
IP Rating	IP20 / IP67
Dimming	Per Driver
Mounting	In Channel / Direct
Warranty	5-Year Limited

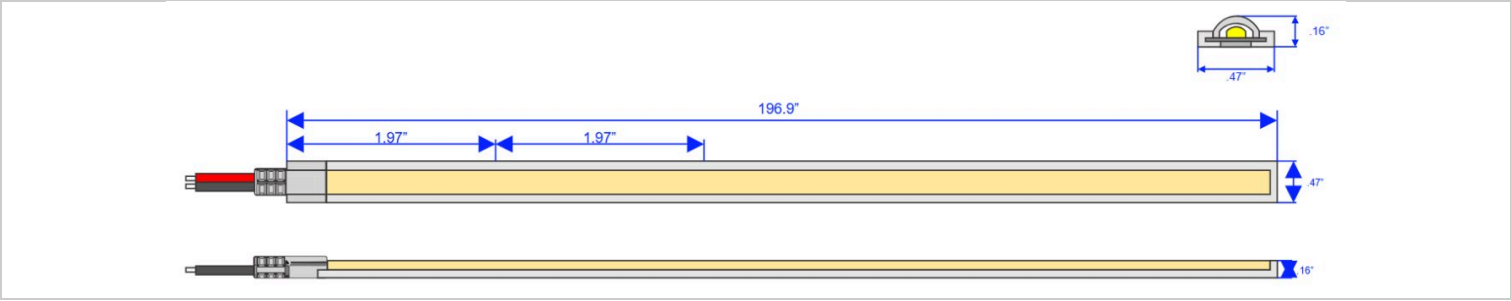
DETAILED SPECIFICATIONS

CCT	IP20 LM/FT	IP67 LM/FT
2700K	291	262
3000K	309	278
3500K	318	286
4000K	333	300
5000K	364	328

Delivered lumens per foot by color temperature and IP rating.

Wattage / Foot — IP20	4.5 W/ft
Wattage / Foot — IP67	3.6 W/ft
Lm / Foot	309 lm/ft
Lm / Watt	69 lm/W
Max Run	16 ft

MECHANICAL DIAGRAM



TEMPERATURE RATINGS

CONDITION	MIN	MAX
Ambient Operating	-4°F	130°F
Storage	-4°F	140°F
Installation	50°F	100°F

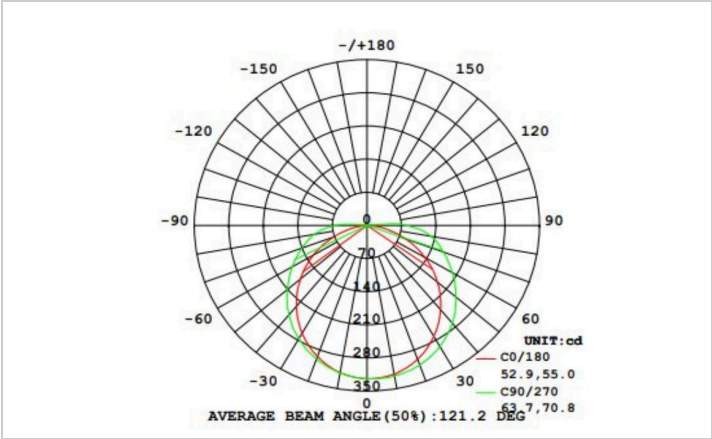
MATERIALS & CONSTRUCTION

Materials	Plastic
PCB Material	Flexible FPC
Encapsulation	Silicone (IP67)
Adhesive	3M transfer tape (furnished)
Channel	Sold separately

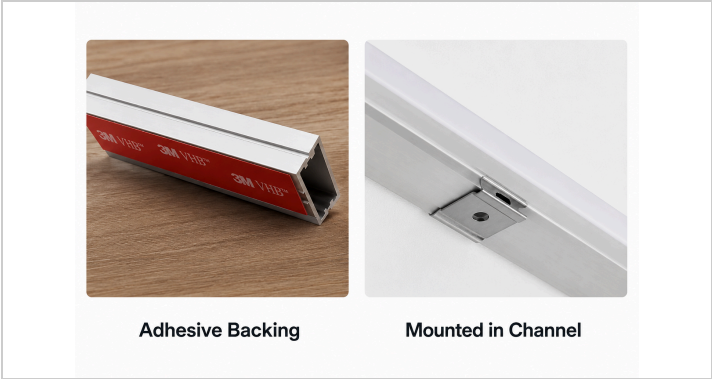
PRODUCT PHOTO



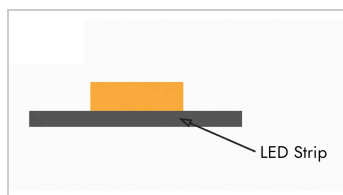
LIGHT DISTRIBUTION



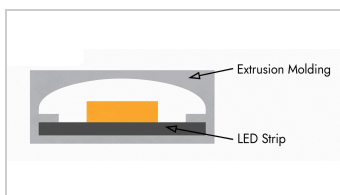
INSTALLATION DETAIL



IP RATING OPTIONS

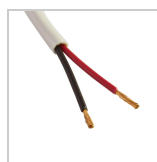


IP20
Dry / indoor



IP67
Wet location

CONNECTION OPTIONS



BW6
6" leads



BRL
Barrel

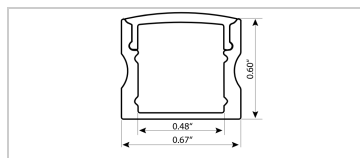


NONE
No conn.

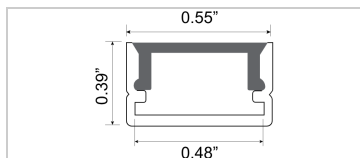


CLIPS
Field-cut

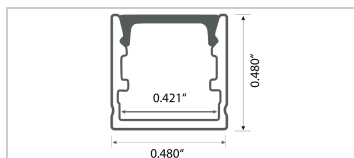
COMPATIBLE CHANNELS



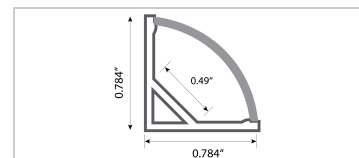
TALL SURFACE
DLDT-S-TALL



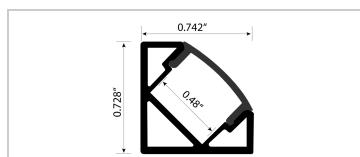
SHALLOW SURFACE
DLDT-S-SHALLOW



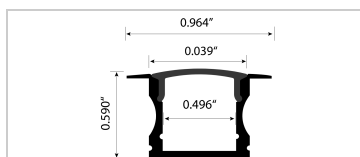
FULL SURFACE
DLDT-S-FULL



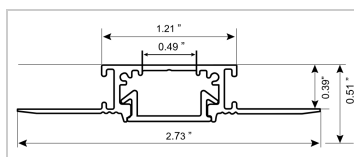
CURVE45
DLDT-S-CRV45



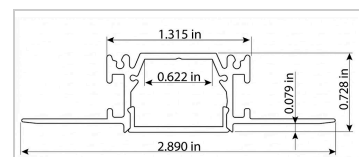
CORNER45
DLDT-S-CR45



TALL RECESSED
DLDT-R-TALL



SHALLOW RECESSED
DLDT-R-SHALLOW



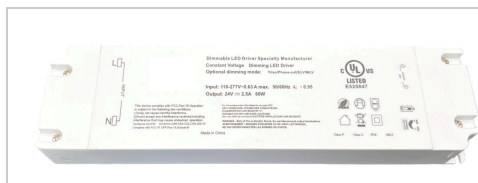
FULL RECESSED
DLDT-R-FULL

COMPATIBLE DRIVERS



NON-DIMMING · IP20

DLX-ND-24V-30-20	30W
DLX-ND-24V-60-20	60W
DLX-ND-24V-80-20	80W
DLX-ND-24V-150-20	150W
DLX-ND-24V-300-20	300W



UNIVERSAL DIM · IP20

DLX-5D-24V-30-20	30W
DLX-5D-24V-60-20	60W
DLX-5D-24V-96-20	96W
DLX-5D-24V-150-20	150W
DLX-5D-24V-300-20	300W



UNIVERSAL DIM · IP67

DLX-5D-24V-30-67	30W
DLX-5D-24V-60-67	60W
DLX-5D-24V-96-67	96W
DLX-5D-24V-150-67	150W
DLX-5D-24V-300-67	300W

SAFETY & COMPLIANCE

- **UL Listed 2108** — Low Voltage Lighting System / Luminaire. UL 1598 / CSA 250.0-08, UL 8750, UL 879 / CAN/CSA-C22.2 no. 207-M89. Certified for US and Canada.
- **UL Listed Field Cuttable.**
- **CE & EMC Compliant** — Verification No. on file.
- Approved for storage areas of clothes closets per NEC 410.16.A.1,3 and 410.16.C.1,3,5.

PERFORMANCE STANDARDS

- Complies with TITLE 24 Part 6 High Efficacy LED requirements — JA8-2016-2022-E.
- LED chip data measured per **IES LM-80-08**.
- Photometric & colorimetry data measured per **IES LM-79-08**.

WARNINGS & DISCLOSURES

- 1 Install per national and local electrical code regulations.
- 2 To be installed and serviced by a qualified, licensed electrician.
- 3 Use only copper wiring rated for at least 176°F (80°C), certified for external connection of electrical equipment.
- 4 Each maximum run requires a dedicated power feed. Do not exceed recommended maximum run length.
- 5 Tape light and leads are not rated for in-wall installation unless otherwise noted.
- 6 Inadequate wire installation could overheat wires and cause fire.
- 7 Do not expose LED chips to direct sunlight; phosphor damage will occur.
- 8 Do not install where excessive heat exists. See ambient temperature ratings.
- 9 Do not install indoor models in wet locations. Only wet-location models are rated for outdoor use.
- 10 Do not modify beyond instructions or warranty is void.
- 11 Handle with care; excessive bending or pressure may damage the product.
- 12 Actual color may vary from images due to photographic limitations.
- 13 We reserve the right to modify designs without prior notice.