

# DLDT-COB-L

## Low 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

**182**

LM/FT

**3W**

PER FT

**16 ft**

MAX RUN

## FEATURES

- 90+ CRI color rendering
- 160° beam angle
- Cuttable anywhere along the strip
- IP20 & IP67 wet-location options
- 3 W/ft power draw
- 5-Year Limited Warranty



## ORDERING CODES

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

## GENERAL SPECIFICATIONS

|                   |                     |
|-------------------|---------------------|
| Input Voltage     | 24VDC               |
| CRI               | 90                  |
| Beam Angle        | 160°                |
| Color Temperature | 2700K – 5000K       |
| Strip Width       | .31"                |
| LED Chip          | 2835                |
| Cut Interval      | Anywhere            |
| IP Rating         | IP20 / IP67         |
| Dimming           | Per Driver          |
| Mounting          | In Channel / Direct |
| Warranty          | 5-Year Limited      |

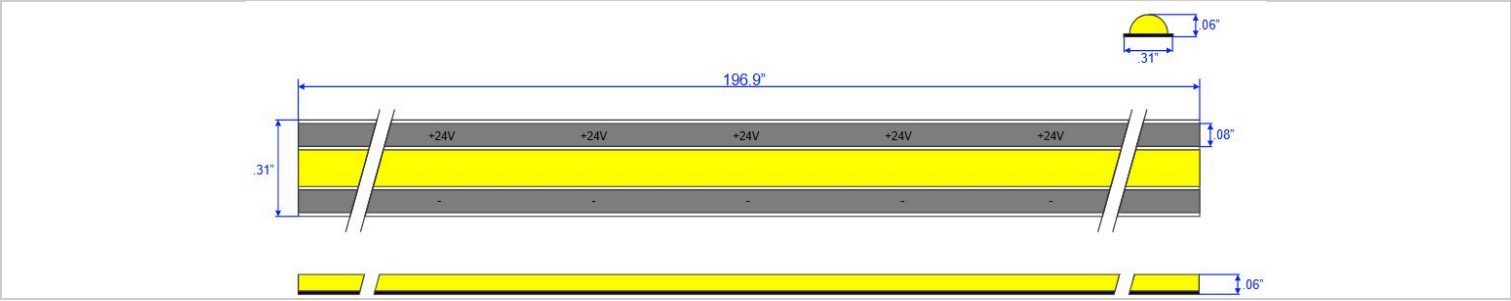
## DETAILED SPECIFICATIONS

| CCT          | IP20 LM/FT | IP67 LM/FT |
|--------------|------------|------------|
| <b>2700K</b> | 167        | 150        |
| <b>3000K</b> | 182        | 164        |
| <b>3500K</b> | 189        | 170        |
| <b>4000K</b> | 197        | 177        |
| <b>5000K</b> | 212        | 191        |

Delivered lumens per foot by color temperature and IP rating.

|                       |           |
|-----------------------|-----------|
| <b>Wattage / Foot</b> | 3 W/ft    |
| <b>Lm / Foot</b>      | 182 lm/ft |
| <b>Lm / Watt</b>      | 61 lm/W   |
| <b>Max Run</b>        | 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 |

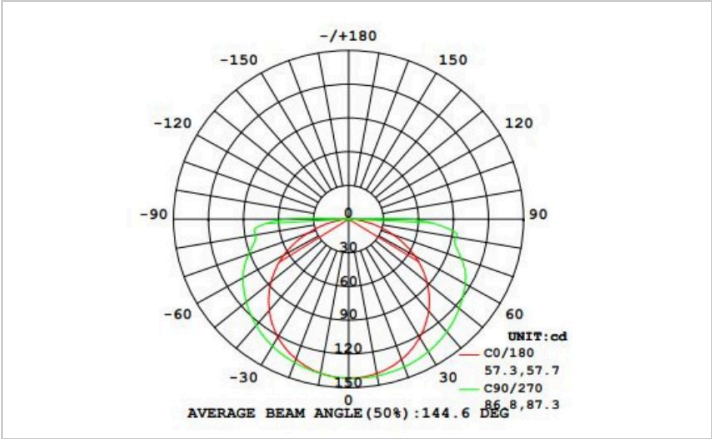
MATERIALS & CONSTRUCTION

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

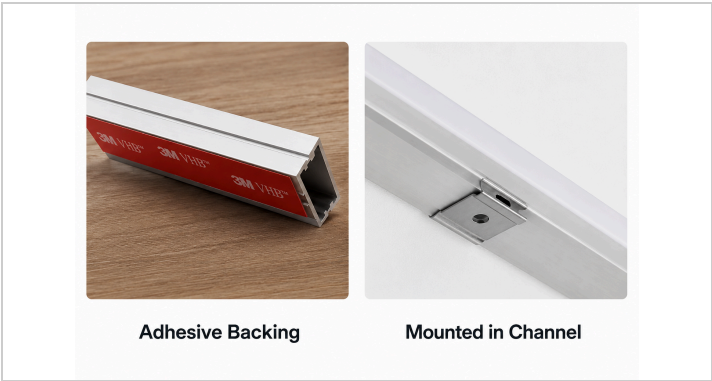
PRODUCT PHOTO



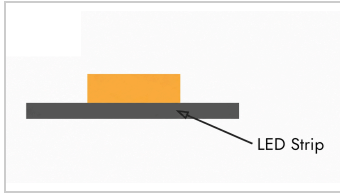
LIGHT DISTRIBUTION



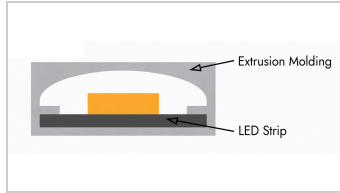
INSTALLATION DETAIL



## IP RATING OPTIONS

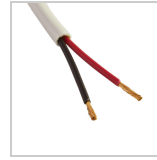


**IP20**  
Dry / indoor



**IP67**  
Wet location

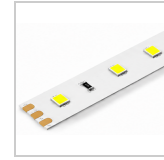
## CONNECTION OPTIONS



**BW6**  
6" leads



**BRL**  
Barrel

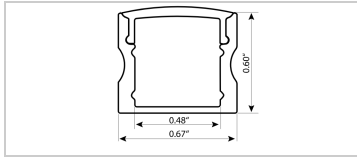


**NONE**  
No conn.

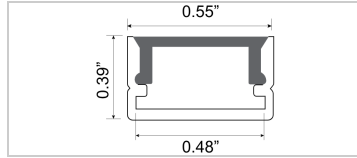


**CLIPS**  
Field-cut

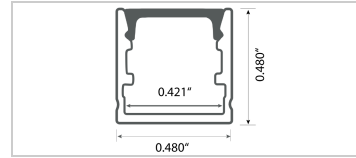
## COMPATIBLE CHANNELS



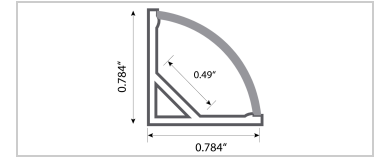
**TALL SURFACE**  
DLDT-S-TALL



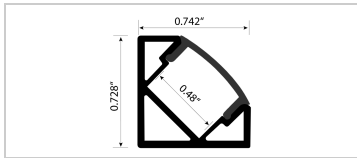
**SHALLOW SURFACE**  
DLDT-S-SHALLOW



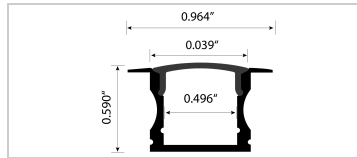
**FULL SURFACE**  
DLDT-S-FULL



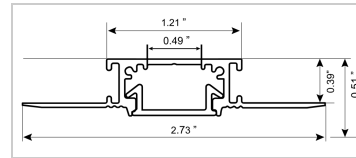
**CURVE45**  
DLDT-S-CRV45



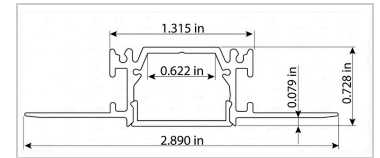
**CORNER45**  
DLDT-S-CR45



**TALL RECESSED**  
DLDT-R-TALL

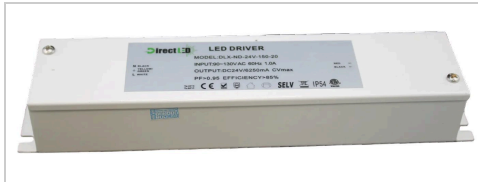


**SHALLOW RECESSED**  
DLDT-R-SHALLOW



**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.