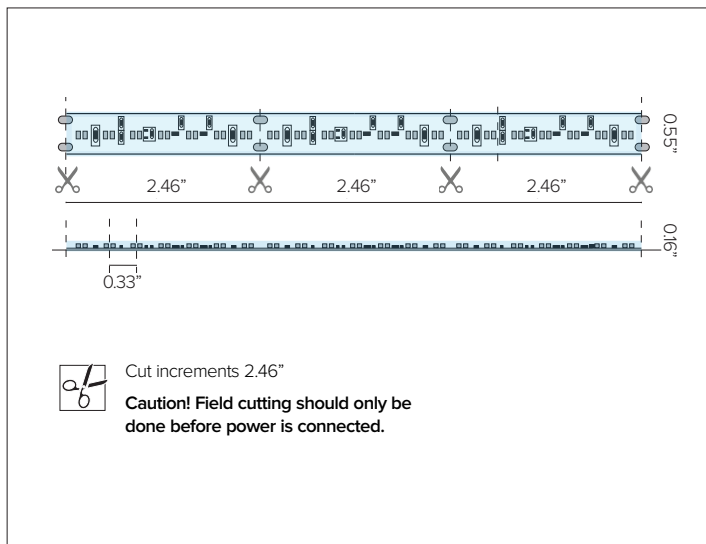
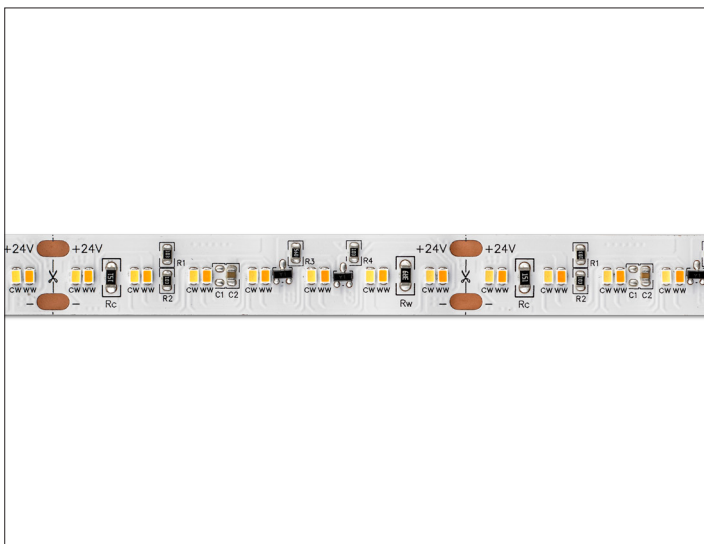


DURATAPE DIM-TO-DARK IP67

Preset Dimming Curve Simulating Incandescent



CONCEPT

DURATAPE DIM-TO-DARK allows the light intensity to be decreased and the color temperature of the light to be varied at the same time all while dimming continuously to dark, simulating the dimming curve of an incandescent lamp.

MECHANICAL CHARACTERISTICS

| | |
|----------------------|--|
| Materials | Double layered copper substrate for optimum heat dissipation, minimizing voltage drop while increasing run lengths per power feed, standardizing electrical flow over entire length of the strip for maximum product reliability. |
| Functionality | Energy efficient linear LED white strip follows a preset dimming curve with the coolest kelvin temperature LED at highest intensity to the warmest kelvin temperature LED at lowest intensity. Preset dimming curve is continuous from 100% high intensity to 0% off "black", with zero LED light leakage. |
| Installation | Field cuttable. Manufacturer pre-assembled to specific project lengths with factory attached end prep assemblies to be mounted or inserted into thermally protective profiles, see available options. |
| Protection | Strip jacket rated at IP67. |

CERTIFICATIONS

cULus Class 2 Listed
 Tested in accordance with LM-79-08
 Energy efficient for California installations.
 RoHS compliant

WARRANTY

5 year limited warranty

SUSTAINABILITY

Duratape products are packaged with environmentally friendly materials. The strip reel is comprised of cardboard and the strip bag is produced with 80% paper materials and 20% recycled plastics necessary for anti-static packaging.

ELECTRICAL CHARACTERISTICS

| | |
|------------------------------|---|
| Power Connection | Factory attached end prep, see available options. Remote Class 2 120V-277V AC power supply required, see available options. For true Dim-to-Black operation, supplied 0-10V dimming system must dim to true 0 volts. |
| Wattage | 2.9W/ft |
| Voltage | 24V DC |
| Trigger Time | < 0.2s |
| Number of cycles | 100,000 |
| Operating Temp. | -25°C / +35°C |
| Max Continuous Length | Field trimmable every 2.46". 16' max. |

SOURCE

| | | | | | | | |
|--------------------------------|--|--------------|--------------------------|-----------|----------------------|------------|-------------|
| LEDs | 68 LEDs per foot. Arranged as pairs of bi-color sets | | | | | | |
| Spacing | 0.33" O.C. Paired LED Spacing | | | | | | |
| TM30 | CCT (Nominal) | CRI | Rf | Rg | R9 | DUV | SDCM |
| | T1: | 98 | 95 | 102 | 97 | 0.0012 | 3 |
| | T2: | 98 | 95 | 102 | 96 | 0.0010 | 3 |
| Strip & LED Details | Model | W/LED | Delivered Lumens* | | Viewing Angle | | |
| | | | 3000K | | | | |
| | 2.9W/ft | 0.04W | 274Lm/ft | | 117° | | |
| | * Meets Title 24 High efficacy rating. | | | | | | |
| Efficacy | 95Lm/W max. Refer to photometric graphs for specific values. | | | | | | |
| Lifetime | L70/B10 ≥50,000hrs at max TA +45°C | | | | | | |

DURATAPE DIM-TO-DARK IP67

SPECIFICATION INFORMATION

| | | | | | | | | | | |
|----|----|---|---|---|---|---|----------|----------|----------|----|
| DL | DW | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | REQUIRED | OPTIONAL | REQUIRED | |

Ex: DLDW290T124 / 07UX1CBL1 / PRAP-U / DMLE601242UD

| 1 - PRODUCT CODE | 2 - TYPE | 3 - WATTAGE | 4 - RATING | 5 - KELVIN | 6 - CRI | 7 - VOLTAGE |
|---|---|---|---|--|---------------|-------------|
| DL – DURATAPE™ | DW – DIM-TO-DARK | 29 – 2.9W/ft | O – IP67 | T1 – 1800K – 3000K T2 – 2700K – 6000K | HC – High CRI | 24 – 24V DC |
| 8 - END PREP CONNECTION | 9 - INTERCONNECTION | 10 - MOUNTING | 11 - DRIVER | | | |
| REQUIRED See section for details | OPTIONAL See section for details | REQUIRED See section for details | REQUIRED See section for details | | | |

INSTALLATION EXAMPLES



DURATAPE DIM-TO-DARK IP67

8 - END PREP CONNECTION (REQUIRED)



DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of DURATAPE product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

Part No. **07UX1CBL1**

DURATAPE additional factory attached lead wire, sold per foot. Lead wire can be field cut to desired length.

Length Per foot

Part No. **07UX1ADDCBL1**



DURATAPE factory attached double lead wire end prep. One end can be used for power connectivity while the other end can be used for DURATAPE interconnection. Translucent wire with positive/negative identification that easily blends into the mounting environments. **Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.**

Part No. **07UX1CBL2**

DURATAPE additional factory attached lead wire, sold per foot. Lead wire can be field cut to desired length.

Length Per foot

Part No. **07UX1ADDCBL1**

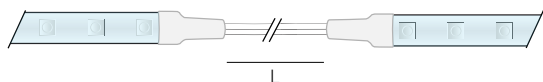
8 - END PREP CONNECTION (OPTIONAL)



DURATAPE crimp connectors, 2ea. Simplifies custom splice connections in the field. To be used for in-line connections, connecting to other lead wires, etc.

Part No. **07UX1ADDCON**

9 - INTERCONNECTION (OPTIONAL)



DURATAPE factory attached interconnection wire fold, white finish. **Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.**

| Length | 1" | 2" | 3" | 4" | 6" |
|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Part No. | 07UX1FOLDCBL-01 | 07UX1FOLDCBL-02 | 07UX1FOLDCBL-03 | 07UX1FOLDCBL-04 | 07UX1FOLDCBL-06 |

DURATAPE DIM-TO-DARK IP67

9 - MOUNTING (REQUIRED)

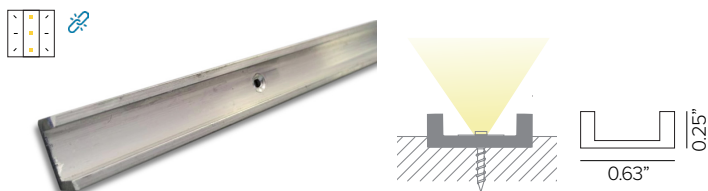
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

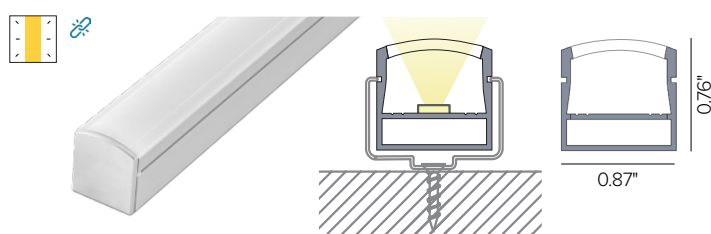
 **PIXEL**
INDIRECT VIEW

SURFACE PROFILES



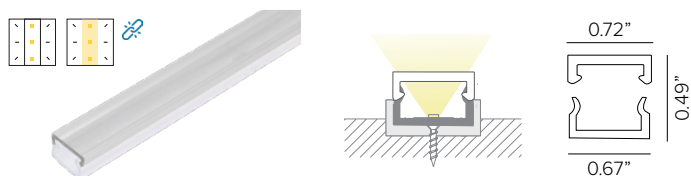
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DLALUMU8**



Surface mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRAP-U**

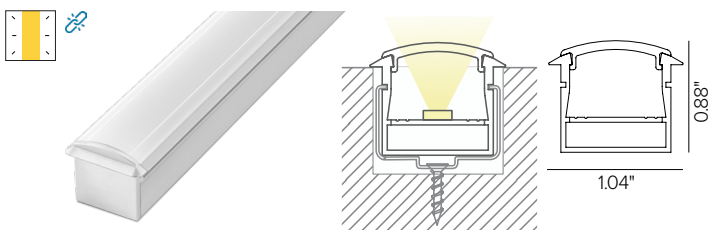


Two-piece PVC mounting tube, white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L.

| Cover Diffusion | Clear | Frosted 10% | Frosted 30% | Frosted 60% |
|-----------------|----------------|------------------|------------------|------------------|
| Part No. | DLW2PCC | DLW2PCF10 | DLW2PCF30 | DLW2PCF60 |

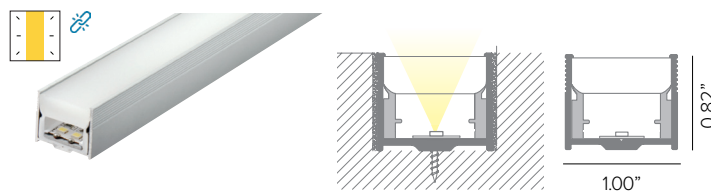
Part No. **DLW2PCC** **DLW2PCF10** **DLW2PCF30** **DLW2PCF60**

RECESSED PROFILES



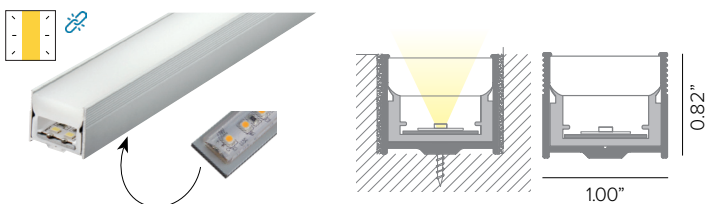
Recessed flush mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRIN-U**



Rigid high impact two part profile with aluminum channel and white polycarbonate insert (side walls) with frosted top diffuser lens for surface or recessed mounting. Dimension: 39"L (1M)

Part No. **PRINTC-GUS**



Rigid high impact three part profile with aluminum channel, white polycarbonate insert (base and side walls) with frosted top diffuser lens and aluminum track to insert strip for recessed walk over installation. Dimension: 39"L (1M)

Part No. **PRINTC-G**

DURATAPE DIM-TO-DARK IP67

9 - MOUNTING CONT. (REQUIRED)

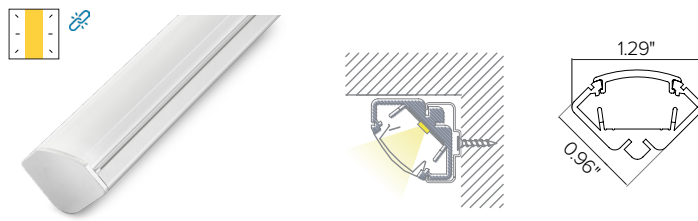
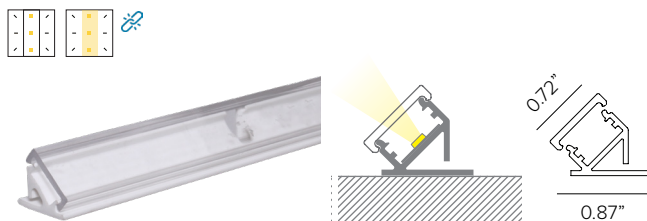
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

 **PIXEL**
INDIRECT VIEW

ANGLED PROFILES



Two-piece 45° PVC mounting tube; white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L

45° anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Base
Part No. **DLW45MCH-4**

Part No. **PRAN-U**

| | | | | |
|-----------------|-------|-------------|-------------|-------------|
| Cover Diffusion | Clear | Frosted 10% | Frosted 30% | Frosted 60% |
|-----------------|-------|-------------|-------------|-------------|

| | | | | |
|----------------|--------------------|----------------------|----------------------|----------------------|
| Cover Part No. | DLW45CVR4-C | DLW45CVR4-F10 | DLW45CVR4-F30 | DLW45CVR4-F60 |
|----------------|--------------------|----------------------|----------------------|----------------------|

DURATAPE DIM-TO-DARK IP67

9 - POWER SUPPLY (REQUIRED)

| ENCLOSURE | | | | | | | | |
|------------------------|---------|---------------------------|----------------------------------|--------|------------------|---------------|------------------------|---|
| Part No. | Wattage | Control | Dim Range | Rating | In / Out Voltage | Certification | Dimensions (Enclosure) | Description |
| DMLE301242UD | 30W | MLV / ELV / 0-10V / TRIAC | 0-10V 0% MLV <10% ELV <10% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DMLE601242UD | 60W | MLV / ELV / 0-10V / TRIAC | 0-10V 0% MLV <10% ELV <10% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DELX601241CPWM | 60W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| DELX901241CPWM | 90W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| DMLE961242UD | 96W | MLV / ELV / 0-10V / TRIAC | 0-10V 0% MLV <10% ELV <10% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.16" X 7.73" X 1.54 | EMCOD electronic driver with wiring compartment. |
| DELV96124D | 96W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UL Class 2 | 12.1" X 2.4" X 1.4" | Magnitude SOLIDrive electronic driver with built in junction box. |
| DELX1802242CPWM | 2X90W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 12" x 12" x 4" | MEANWELL electronic PWM driver. |
| DMLE1922242UD | 2X96W | MLV / ELV / 0-10V / TRIAC | 0-10V 0% MLV <10% ELV <10% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.04" X 10.94" X 1.81 | EMCOD electronic driver with wiring compartment. |
| DELX2703243CPWM | 3X90W | 0-10V | 1% | NEMA1 | 120-277V / 24V | UL Class 2 | 12" x 12" x 4" | MEANWELL electronic PWM driver. |
| DMLE2882242UD | 3X96W | MLV / ELV / 0-10V / TRIAC | 0-10V 0% MLV <10% ELV <10% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.04" X 10.94" X 1.81 | EMCOD electronic driver with wiring compartment. |

| STAND ALONE | | | | | | | | |
|-----------------|---------|---------|-----------|--------|------------------|---------------|-------------------------|--|
| Part No. | Wattage | Control | Dim Range | Rating | In / Out Voltage | Certification | Dimensions (Standalone) | Description |
| DEL60PWM | 60W | 0-10V | 1% | IP67 | 120-277V / 24V | UL Class 2 | 5.9" X 2.09" X 1.38" | MEANWELL electronic PWM driver. UL listed enclosure provided by others. |
| DEL90PWM | 90W | 0-10V | 1% | IP67 | 120-277V / 24V | UL Class 2 | 6.73" X 2.48" X 1.48" | MEANWELL electronic PWM driver. UL listed enclosure provided by others. |

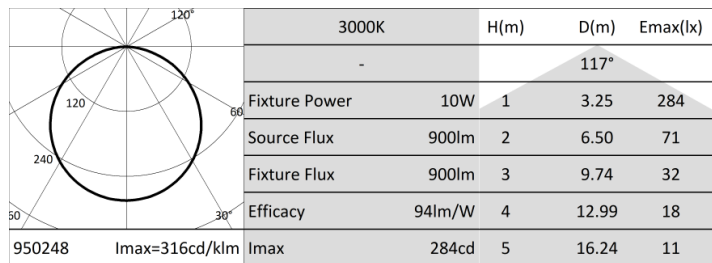
MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

| Fixture Wattage | Driver Wattage | | | | | | | | |
|-----------------|----------------|------|------|------|------|----------|----------|----------|----------|
| | 30W | 40W | 60W | 90W | 96W | 2X90W | 2X96W | 3X90W | 3X96W |
| 2.9W | 8FT | 11FT | 16FT | 24FT | 26FT | (2) 24FT | (2) 26FT | (3) 24FT | (3) 26FT |

DURATAPE DIM-TO-DARK IP67

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS



DIMMING CURVE

