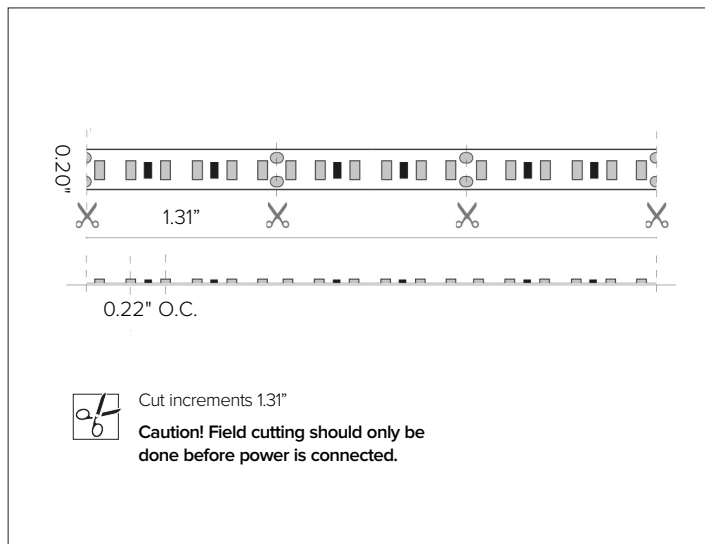
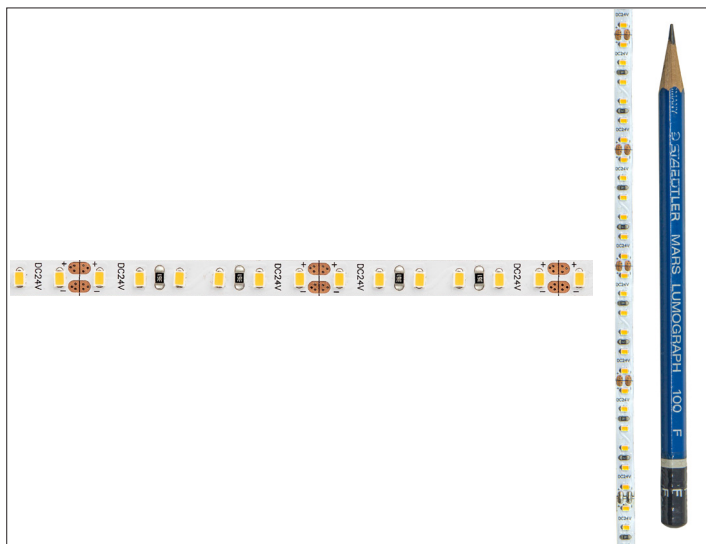


DURATAPE EXTRA NARROW IP20

Energy Efficient Narrow Low Voltage Strip Light



CONCEPT

Energy efficient mid output extra narrow LED linear light strip with for tight niche spaces requiring continuous consistent color for linear applications.

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 | Ideal for linear tight niche applications such as millwork, under-counter/cabinet, or lighting accents. |
| 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 | IP20 |

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. |
| Wattage | 2.2W/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 1.31". 22ft |

SOURCE

| | | | | | | | |
|--------------------------------|---|--------------|--------------------------|-----------|----------------------|------------|-------------|
| LEDs | 55 LEDs per foot | | | | | | |
| Spacing | 0.22" O.C. LED Spacing | | | | | | |
| TM30 | CCT (Nominal) | CRI | Rf | Rg | R9 | DUV | SDCM |
| | 2200K | 97 | 94 | 103 | 85 | 0.0009 | 2 |
| | 2700K | 98 | 95 | 102 | 96 | 0.0009 | 2 |
| | 3000K | 98 | 95 | 102 | 97 | 0.0012 | 2 |
| | 3500K | 97 | 90 | 98 | 98 | 0.0016 | 2 |
| | 4000K | 96 | 90 | 98 | 98 | 0.0023 | 2 |
| Strip & LED Details | Model | W/LED | Delivered Lumens* | | Viewing Angle | | |
| | | | 3000K 4000K | | | | |
| | 2.2W/ft | 0.04W | 180Lm/ft | 186Lm/ft | 117° | | |
| | * Meets Title 24 High efficacy rating. | | | | | | |
| Efficacy | 100Lm/W max. Refer to photometric graphs for specific values. | | | | | | |
| Lifetime | L70/B10 >60,000hrs at max TA +45°C | | | | | | |

DURATAPE EXTRA NARROW IP20

SPECIFICATION INFORMATION

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

Ex: DLXN22I3024 / 07UIICBL1 / P03A-S-PF-200 / DMLE601242UD

| 1 - PRODUCT CODE | 2 - TYPE | 3 - WATTAGE | 4 - RATING | 5 - KELVIN | 6 - VOLTAGE |
|--|--|--|--|--|-------------|
| DL — DURATAPE™ | XN — Extra Narrow | 22 — 2.2W/ft | I — IP20 | 22 — 2200K 27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K | 24 — 24V DC |
| 7 - END PREP CONNECTION | 8 - INTERCONNECTION | 9 - MOUNTING | 10 - DRIVER | | |
| REQUIRED See section for details | OPTIONAL See section for details | REQUIRED See section for details | REQUIRED See section for details | | |

INSTALLATION EXAMPLES



DURATAPE EXTRA NARROW IP20

7 - END PREP CONNECTION (REQUIRED)



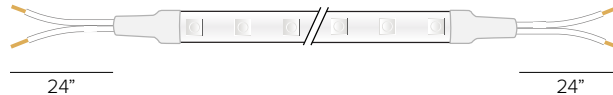
DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

Part No. **07U1CBL1**

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

Length Per foot

Part No. **07U1ADDCBL1**



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. **07U1CBL2**

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

Length Per foot

Part No. **07U1ADDCBL1**

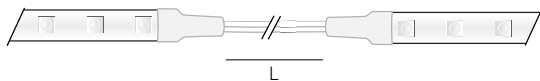
7 - END PREP CONNECTION (OPTIONAL)



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. **07U1ADDCON**

8 - 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. | 07U1FOLD CBL-01 | 07U1FOLD CBL-02 | 07U1FOLD CBL-03 | 07U1FOLD CBL-04 | 07U1FOLD CBL-06 |

DURATAPE EXTRA NARROW IP20

9 - MOUNTING (REQUIRED)



Profile Spec Sheet
Detailed Information



Uniform Continuous Direct View
60%



Blend Opacity
30%

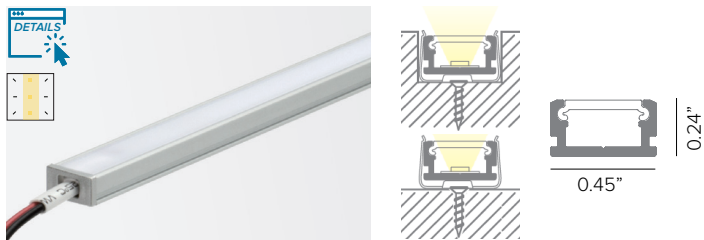


Softening Opacity
10%



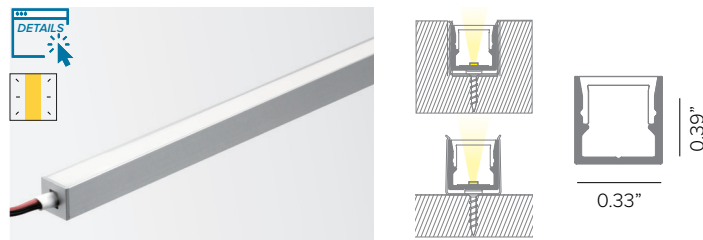
Clear

SURFACE PROFILES



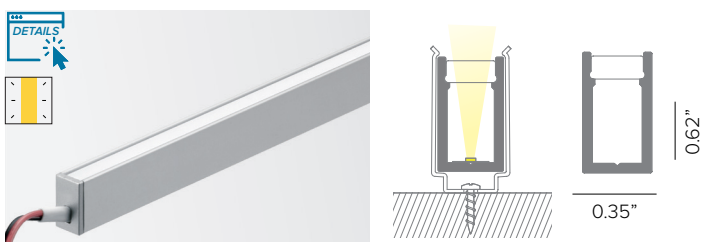
Compact aluminum profile with frosted polycarbonate lens for surface or flush recessed installation.

Part No. **P01A-S-PF-200**



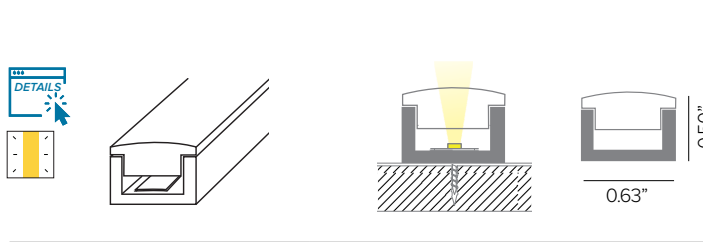
Compact aluminum profile with frosted polycarbonate lens for surface or flush recessed installations. Dimension: 79" (2M).

Part No. **P02A-S-PF-200**



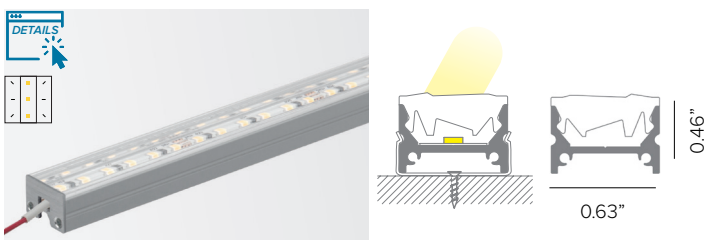
Compact aluminum profile with thick opal polycarbonate lens with uniform light distribution for surface installation. Dimension: 79" (2M).

Part No. **P03A-S-PF-200**



Surface mounted two-piece aluminum U-channel with snap-in opal polycarbonate lens with uniform light distribution. Mounting screw holes 6in O.C. Dimensions: 72" L.

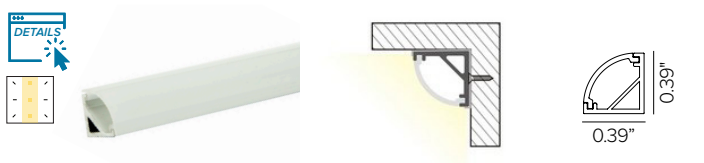
Part No. **DLALUMC6**



Aluminum profile with asymmetrical emission lens for surface installation. Dimension: 118" (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/Fedex, lengths can be cut to 59" upon request.**

Part No. **P01C-S-PF-300**

ANGLED PROFILE



Miniature 45° corner anodized aluminum rigid profile complete with lens.

Lens Opal Diffused

Part No. **DLEDA102**

DURATAPE EXTRA NARROW IP20

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 | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DELV30124DJBX | 30W | 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. |
| DMLE601242UD | 60W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DELV60124DJBX | 60W | 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. |
| DELI601241CPWM | 60W | 0-10V | 1% | NEMA1 | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| DELI901241CPWM | 90W | 0-10V | 1% | NEMA1 | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| DMLE961242UD | 96W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.16" X 7.73" X 1.54 | EMCOD electronic driver with wiring compartment. |
| DELV96124DJBX | 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. |
| DELI1802242CPWM | 2X90W | 0-10V | 1% | NEMA1 | 120-277V / 24V | UL Class 2 | 12" x 12" x 4" | MEANWELL electronic PWM driver. |
| DMLE1922242UD | 2X96W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.04" X 10.94" X 1.81 | EMCOD electronic driver with wiring compartment. |
| DELI2703243CPWM | 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 | MLV / ELV <10% 0-10V 1% | 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 |
| DELV30124D | 30W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others. |
| 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. |
| DELV60124D | 60W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone 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. |
| DELV96124D | 96W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others. |

MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

| Fixture Wattage | Driver Wattage | | | | | | | |
|-----------------|----------------|------|------|------|----------|----------|----------|----------|
| | 30W | 60W | 90W | 96W | 2X90W | 2X96W | 3X90W | 3X96W |
| 2.2W | 12FT | 24FT | 36FT | 39FT | (2) 36FT | (3) 39FT | (3) 36FT | (3) 39FT |

DURATAPE EXTRA NARROW IP20

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

| | | | | | | |
|--|---------------|-----------------------------|------------------|----------|-----|-------|
| | 2200K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | | 117° | | |
| | Fixture Power | 7W | 1 | 3.25 | 163 | |
| | Source Flux | 515lm | 2 | 6.50 | 41 | |
| | Fixture Flux | 515lm | 3 | 9.74 | 18 | |
| | Efficacy | 72lm/W | 4 | 12.99 | 10 | |
| | 923129 | I _{max} =316cd/klm | I _{max} | 163cd | 5 | 16.24 |

| | | | | | | |
|--|---------------|-----------------------------|------------------|----------|-----|-------|
| | 2700K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | | 117° | | |
| | Fixture Power | 7W | 1 | 3.25 | 163 | |
| | Source Flux | 560lm | 2 | 6.50 | 41 | |
| | Fixture Flux | 515lm | 3 | 9.74 | 18 | |
| | Efficacy | 72lm/W | 4 | 12.99 | 10 | |
| | 923136 | I _{max} =290cd/klm | I _{max} | 163cd | 5 | 16.24 |

| | | | | | | |
|--|---------------|-----------------------------|------------------|----------|-----|-------|
| | 3000K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | | 117° | | |
| | Fixture Power | 7W | 1 | 3.25 | 186 | |
| | Source Flux | 590lm | 2 | 6.50 | 47 | |
| | Fixture Flux | 591lm | 3 | 9.74 | 21 | |
| | Efficacy | 82lm/W | 4 | 12.99 | 12 | |
| | 923143 | I _{max} =316cd/klm | I _{max} | 186cd | 5 | 16.24 |

| | | | | | | |
|--|---------------|-----------------------------|------------------|----------|-----|-------|
| | 3500K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | | 117° | | |
| | Fixture Power | 7W | 1 | 3.25 | 186 | |
| | Source Flux | 590lm | 2 | 6.50 | 47 | |
| | Fixture Flux | 591lm | 3 | 9.74 | 21 | |
| | Efficacy | 82lm/W | 4 | 12.99 | 12 | |
| | 932145 | I _{max} =316cd/klm | I _{max} | 186cd | 5 | 16.24 |

| | | | | | | |
|--|---------------|-----------------------------|------------------|----------|-----|-------|
| | 4000K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | | 117° | | |
| | Fixture Power | 7W | 1 | 3.25 | 193 | |
| | Source Flux | 610lm | 2 | 6.50 | 48 | |
| | Fixture Flux | 611lm | 3 | 9.74 | 21 | |
| | Efficacy | 85lm/W | 4 | 12.99 | 12 | |
| | 923150 | I _{max} =316cd/klm | I _{max} | 193cd | 5 | 16.24 |