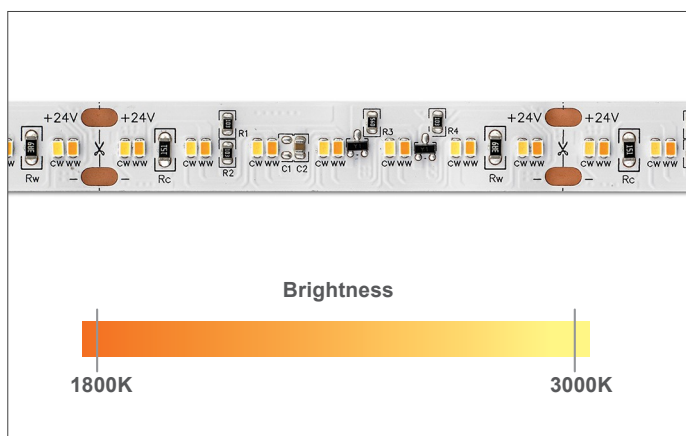


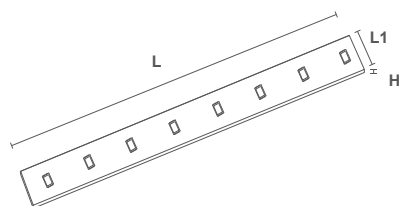
## DURATAPE DIM TO WARM IP20

Product Code: DLDW29IP120-

### Preset Dimming Curve Simulating Incandescent



### Dimensional characteristics



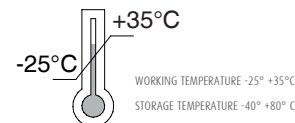
|    |         |
|----|---------|
| L  | 196.85" |
| L1 | 0.47"   |
| H  | 0.039"  |

## "IMPORTANT SAFETY INSTRUCTIONS

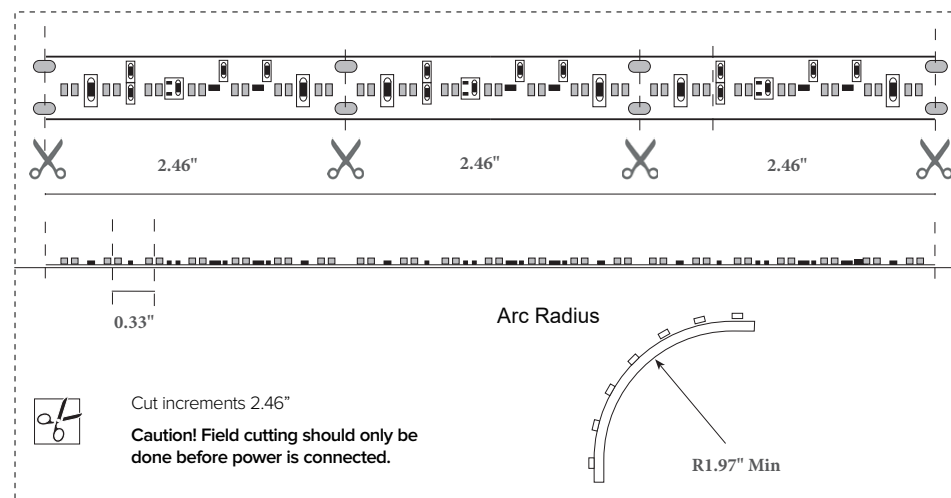
- Read all instructions.
- Do not conceal or extend exposed conductors through a building wall.
- For low voltage exposed insulated conductor systems, do not install any part of this system less than 7 feet (2.2 m) above the floor.
- To reduce the risk of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive materials.
- To reduce the risk of fire and overheating, make sure all connections are tight. Do not install any luminaire closer than 6 inches (15.25 cm) from any curtain, or similar combustible materials.
- Turn off electrical power before modifying the lighting system in any way.



IP20  
24 Vdc  
Ra >90



### Led spacing and pitch cut distance



MOUNTING (REQUIRED)

DETAILS

Profile Spec Sheet  
Detailed Information

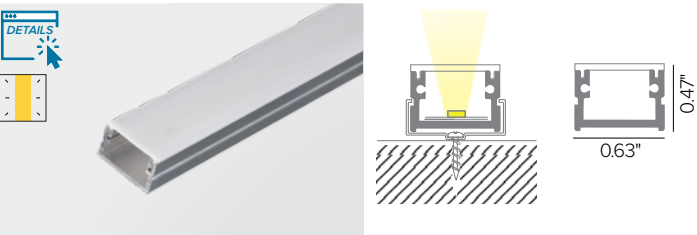
Uniform  
Continuous  
Direct View  
60%

Blend Opacity  
30%

Softening  
Opacity  
10%

Clear

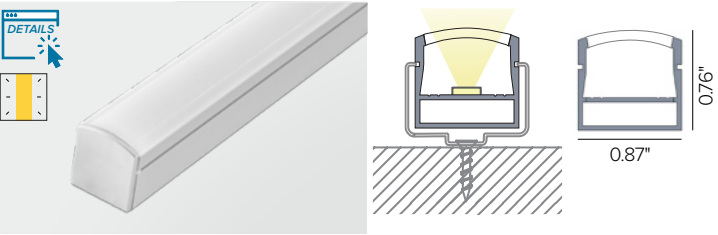
SURFACE PROFILES



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

Diffusion Opal Diffused

PRAP20-2MK



Universal surface mount anodized aluminum rigid profile complete with lens. Dimension: 79"L (2M)

Lens Opal Diffused Asymmetric Graze Flood  
PRAP-U PRAP-UASYM PRAP-U30 PRAP-U60



Compact aluminum profile for surface installations, 1pc. Dimension: 79" (2M) Length

Finish Natural Aluminum White Black Corten Bronze  
Profile DLE7AL2 DLE7WT2 DLE7BK2 DLE7BZ2  
Diffusion Opal Diffused Semi-Opal Clear Transparent Lenticular 40°  
Lens DLE7O2 DLE7S2 DLE7T2 DLE7L402



Aluminum rigid profile for surface installation and polycarbonate lens, 1pc ea. Dimensions: 79"L (2M).

Finish Natural Aluminum White Black Corten Bronze  
Profile DLE15AL2 DLE15WH2 DLE15BK2 DLE15CO2  
Diffusion Opal Diffused Semi-Opal Clear Transparent Lenticular 40°  
Lens DLE15O2 DLE15S2 DLE15T2 DLE15L402

MOUNTING (REQUIRED)

DETAILS

Profile Spec Sheet  
Detailed Information

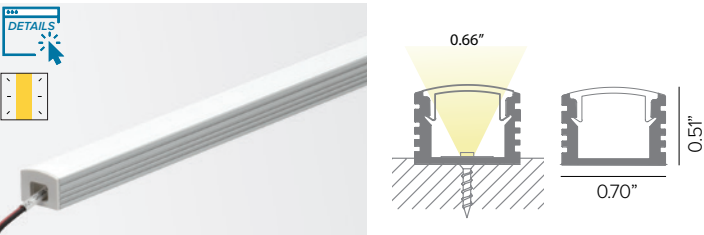
Uniform  
Continuous  
Direct View  
60%

Blend Opacity  
30%

Softening  
Opacity  
10%

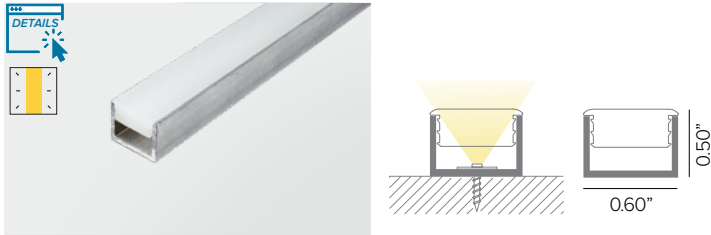
Clear

SURFACE PROFILES CONT.



Aluminum profile with white PMMA screen for surface or recessed installation with limited width. Equipped with angle-joint accessory. Available in 79in (2M) lengths.

P02B-S-PF-200



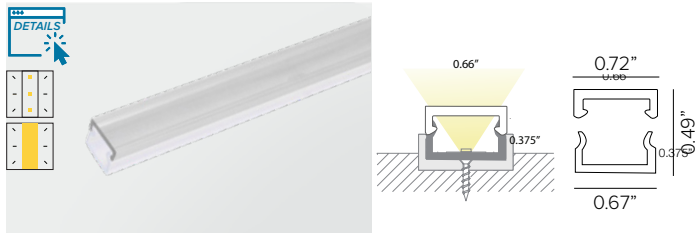
Surface mounted two-piece aluminum U-channel with snap-in thick opal polycarbonate lens with uniform light distribution. Mounting screw holes 6in O.C. Dimensions: 72"L.

DLALUMC6



Aluminum rigid profile for surface installation and polycarbonate lens, 1pc ea. Dimensions: 79"L (2M).

|           |                                                   |                             |                             |                                     |
|-----------|---------------------------------------------------|-----------------------------|-----------------------------|-------------------------------------|
| Finish    | <input checked="" type="radio"/> Natural Aluminum | <input type="radio"/> White | <input type="radio"/> Black | <input type="radio"/> Corten Bronze |
| Profile   | DLE5570AL2                                        | DLE5570WH2                  | DLE5570BK2                  | DLE5570CO2                          |
| Diffusion | Opal Diffused                                     | Clear Transparent           |                             |                                     |
| Lens      | DLE5570O2                                         | DLE5570T2                   |                             |                                     |



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   |

# MOUNTING (REQUIRED)

  
Profile Spec Sheet  
Detailed Information

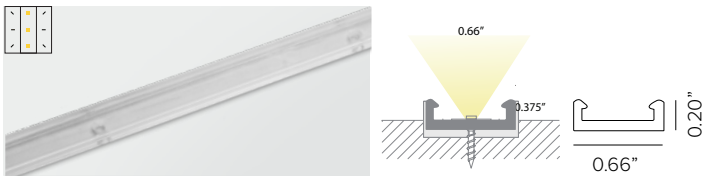
  
Uniform  
Continuous  
Direct View  
60%

  
Blend Opacity  
30%

  
Softening  
Opacity  
10%

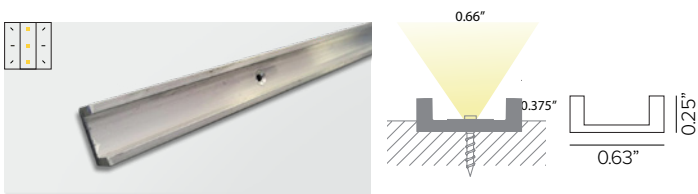
  
Clear

## SURFACE PROFILES CONT.



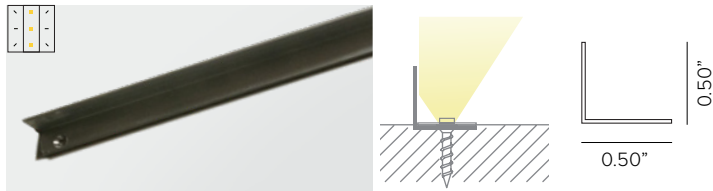
Clear PVC “U” channel. Countersink screw holes, 12” O.C.  
Dimension: 96”L.

DL-MCHAN-8



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

LALUMU8



Aluminum L-Profile 1/2” x 1/2” for linear runs. Duratape can be mounted at  
either 00 or 900 mounting positions. Countersink screw holes, 12” O.C.  
Dimension: 96”L.

DLALUML8

# MOUNTING (REQUIRED)

  
Profile Spec Sheet  
Detailed Information

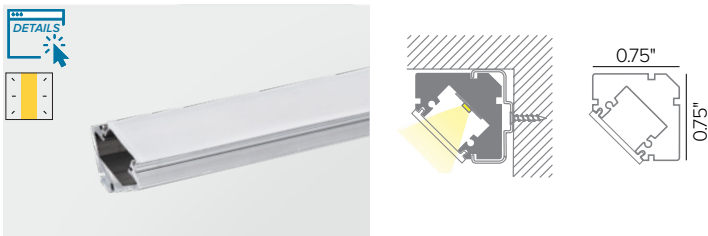
  
Uniform  
Continuous  
Direct View  
60%

  
Blend Opacity  
30%

  
Softening  
Opacity  
10%

  
Clear

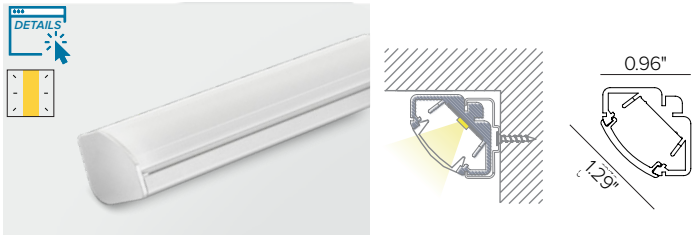
## ANGLED PROFILES



45° corner anodized aluminum rigid profile complete with lens. Dimension: 79”L (2M)

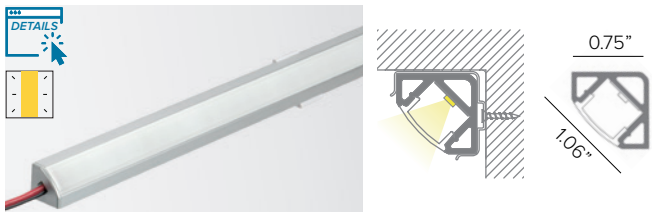
Lens Opal Diffused

PRAN20-2MK



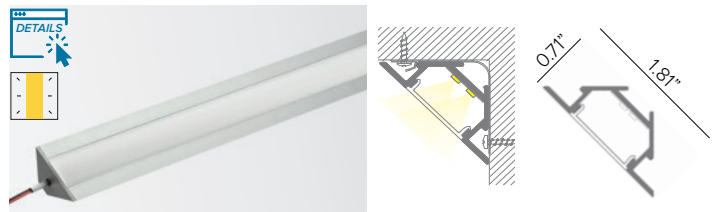
Universal 45° corner anodized aluminum rigid profile complete with lens. Dimension: 79”L (2M)

Lens Opal Diffused Asymmetric Graze Flood  
PRAN-U PRAN-UASYM PRAN-U30 PRAN-U60



45° aluminum profile with frosted polycarbonate lens for surface corner applications. Dimensions: 79”L (2M).

P03F-S-PF-200



Aluminum profile with frosted polycarbonate lens for use in surface 90° angles. Dimension: 118”L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59” upon request.**

P04F-S-PF-300

# MOUNTING (REQUIRED)

DETAILS

Profile Spec Sheet  
Detailed Information

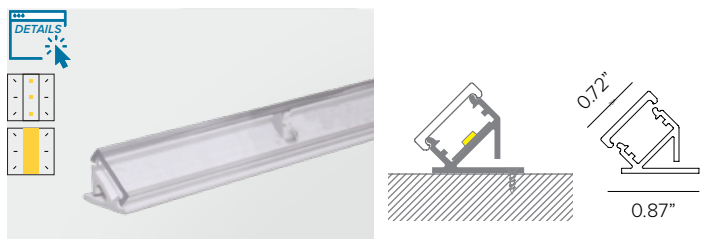
Uniform  
Continuous  
Direct View  
60%

Blend Opacity  
30%

Softening  
Opacity  
10%

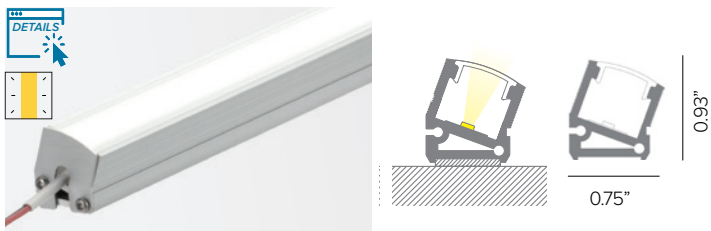
Clear

## ANGLED PROFILES CONT.



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

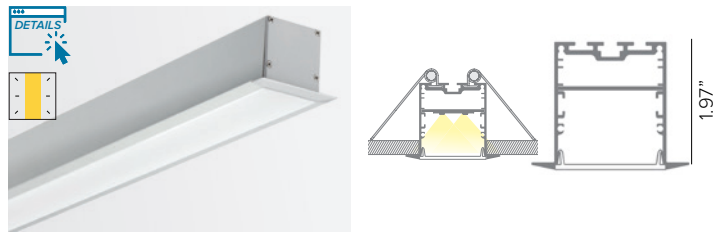
|           |             |               |               |               |
|-----------|-------------|---------------|---------------|---------------|
| Base      | DLW45MCH-4  |               |               |               |
| Diffusion | Clear       | Frosted 10%   | Frosted 30%   | Frosted 60%   |
|           | DLW45CVR4-C | DLW45CVR4-F10 | DLW45CVR4-F30 | DLW45CVR4-F60 |



Fixed 30° angled aluminum profile frosted polycarbonate lens for surface installation. Dimension: 118"L (3M). *Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.*

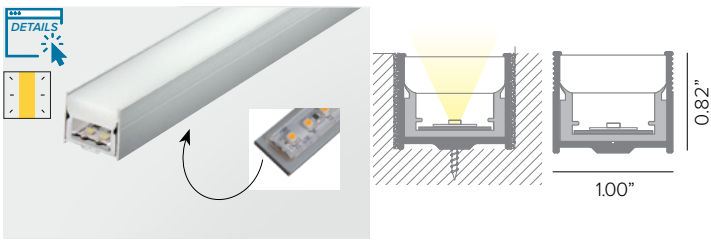
P04C-S-PF-300

## RECESSED PROFILES



Aluminum profile with opal polycarbonate lens for recessed installation. Dimension: 79"L (2M).

P08D-S-PF-200



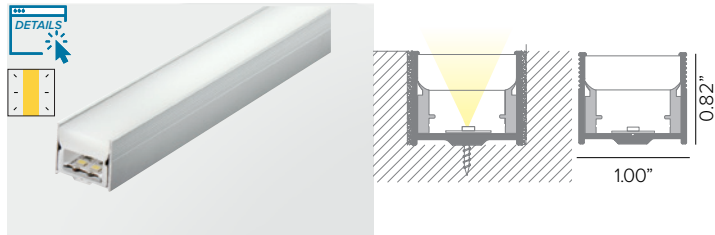
Rigid high impact three part profile with aluminum channel, white polycarbonate insert (base and side walls) with frosted top diffuser lens and aluminum track to insert strip for recessed walk over installation. Dimension: 39"L (1M)

PRINTC-G

# MOUNTING (REQUIRED)



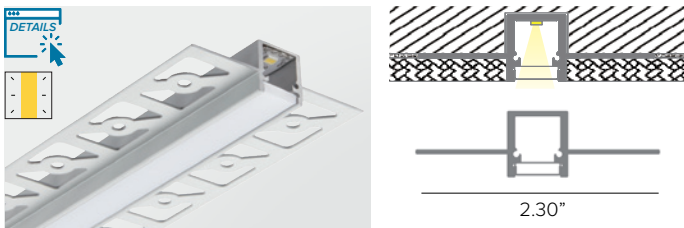
## RECESSED PROFILES CONT.



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

**PRINTC-GUS**

## TRIMLESS MUD-IN PROFILES



Recessed trimless mud-in flush aluminum profile with thick opal polycarbonate lens with uniform light distribution. Dimension: 118"L (3M). Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.

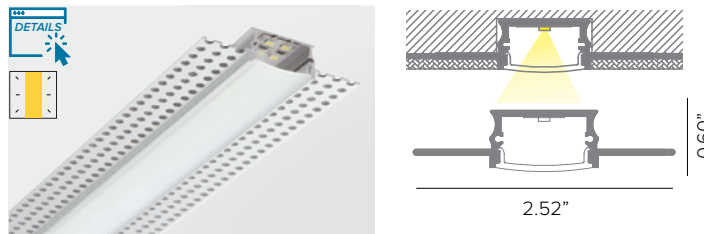
**P05B-S-PF-300**

## SURFACE CLIP



DURATAPE ES mounting clip, 10pcs. Recommended quantities: Straight run aiming upward 12" O.C. (1ea/ft). Curved aiming upward or wall mounted straight 6" O.C. (2ea/ft); Wall mounted curved or ceiling mounted 3" O.C. (4ea/ft).

**DLCLP66**



Recessed trimless mud-in flush aluminum profile with frosted polycarbonate lens. Dimension: 79"L (2M)

**PRINCG**

# MOUNTING (REQUIRED)

DETAILS

Profile Spec Sheet  
Detailed Information

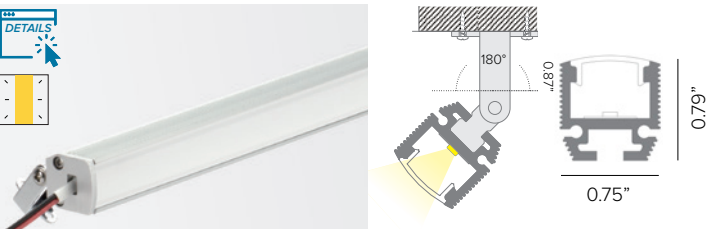
Uniform  
Continuous  
Direct View  
60%

Blend Opacity  
30%

Softening  
Opacity  
10%

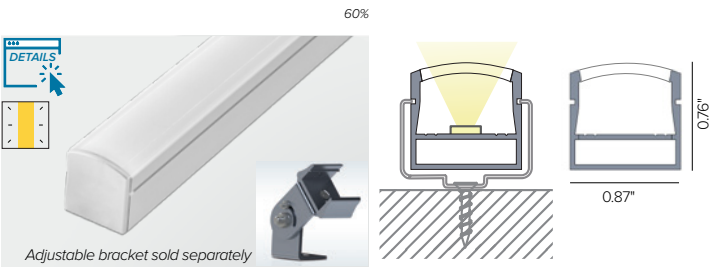
Clear

## ADJUSTABLE PROFILES



Surface mount adjustable aluminum profile with frosted polycarbonate lens. Dimension: 118"L (3M). *Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.*

P02C-S-PF-300



Universal surface mount anodized aluminum rigid profile complete with lens. Dimension: 79"L (2M)

|          |               |            |          |          |
|----------|---------------|------------|----------|----------|
| Lens     | Opal Diffused | Asymmetric | Graze    | Flood    |
| Part No. | PRAP-U        | PRAP-UASYM | PRAP-U30 | PRAP-U60 |

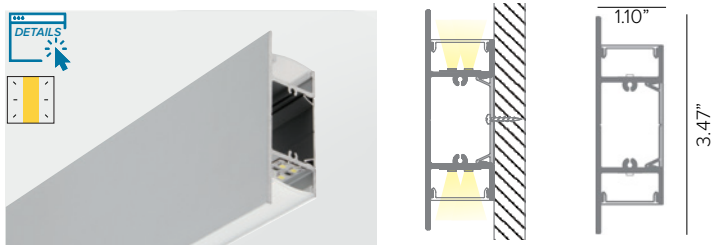
## SUSPENDED PROFILES



Aluminum rigid profile for surface installation and polycarbonate lens, 1pc ea. Dimensions: 79"L (2M).

|           |                                                   |                             |                             |                                     |
|-----------|---------------------------------------------------|-----------------------------|-----------------------------|-------------------------------------|
| Finish    | <input checked="" type="radio"/> Natural Aluminum | <input type="radio"/> White | <input type="radio"/> Black | <input type="radio"/> Corten Bronze |
| Profile   | DLE5570AL2                                        | DLE5570WH2                  | DLE5570BK2                  | DLE5570CO2                          |
| Diffusion | Opal Diffused                                     | Clear Transparent           |                             |                                     |
| Lens      | DLE5570O2                                         | DLE5570T2                   |                             |                                     |

## WALL MOUNT PROFILE



Wall mount aluminum profile with 2ea. frosted polycarbonate lenses for direct/indirect illumination. Dimension: 118"L (3M). *Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.*

P06A-S-PF-300

# END PREP CONNECTION (REQUIRED)

## END PREP CONNECTION (REQUIRED)



24"

**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. 07UI1CBL1

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

Length Per foot

Part No. 07UI1ADDCBL1



24"

24"

**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. 07UI1CBL2

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

Length Per foot

Part No. 07UI1ADDCBL1

## 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. 07UI1ADDCON

## INTERCONNECTION (OPTIONAL)



L

**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"

Part No. 07UI1FOLDCBL-01

07UI1FOLDCBL-02

3"

4"

6"

07UI1FOLDCBL-03

07UI1FOLDCBL-04

07UI1FOLDCBL-06

# MOUNTING INSTALLATION

## Tape Installation

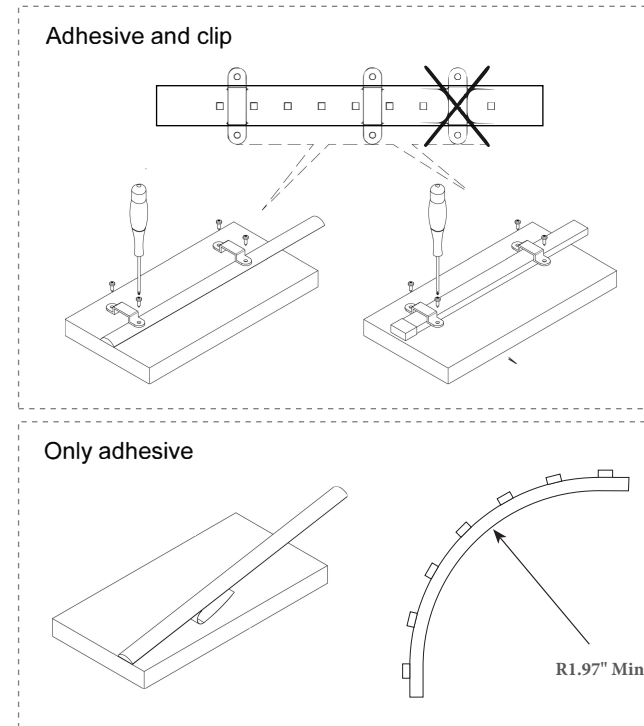
The recommended adhesive for attachment of our Channel to the stone work is to use a weatherproof Substructural Adhesive. For example, Liquid Nails or PL400 or both very good for adhesion to concrete and stone and also the polycarbonate and aluminum mounting channels that we supply.

The channel should be secured into position with a full coverage of the adhesive using blocks inserted into the gap width to allow the adhesive to cure for a minimum of 24 hours.

The Duratape can be attached directly to the channel, but it is necessary to be sure that the Channel surface is clean from dust and debris before attaching.

The Duratape product does have a 3M double sided tape, but we find that it is best to also use a thin bead weatherproof silicone added to the edges and ends when attaching. Again the use of blocks or sticks to secure the Duratape in position onto the channel should be done with 24 hours to cure before removing.

It is recommended that the Duratape is all test powered in position before attaching to be sure that no damage has occurred that will be difficult to repair once the product has cured into the channel.



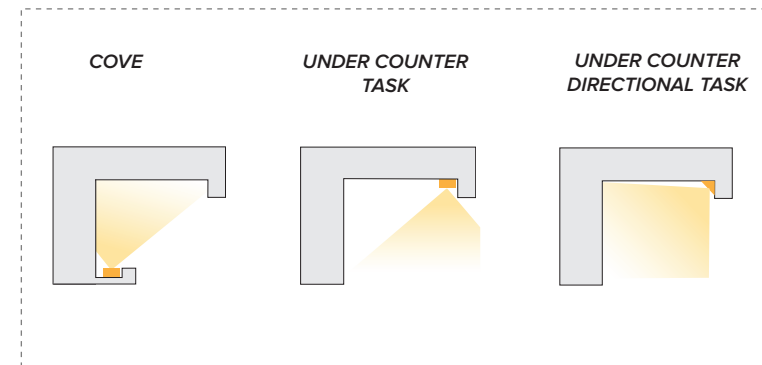
## Channel Installation

**Duratape Dim to Warm IP20** has mounting clips that hold the channel for a secure installation of any surface.

All channels must be installed by a qualified worker that will mount the product compliant to local building code.

Installer will first locate the area of installation and secure the clip onto the mounting surface with the correct mounting screw based on mounting surface. Be sure before securing to align the clips in a straight line before securing the clips on the mounting surface.

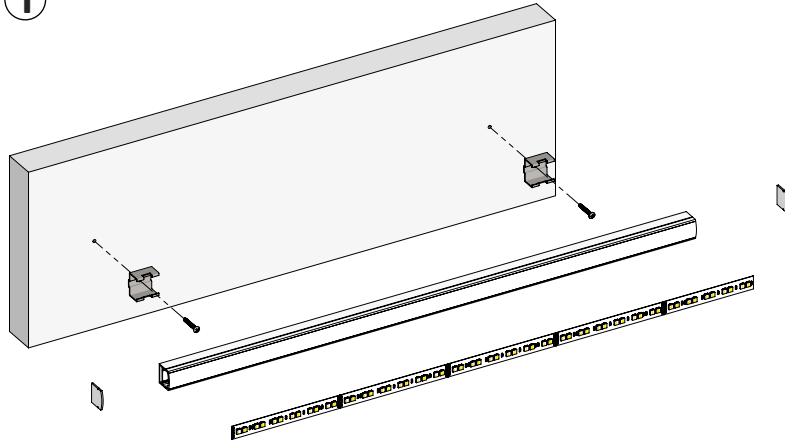
Once the mounting clip is aligned and secured on the mounting surface, the channel clips onto the mounting clip thus securing the channel into place.



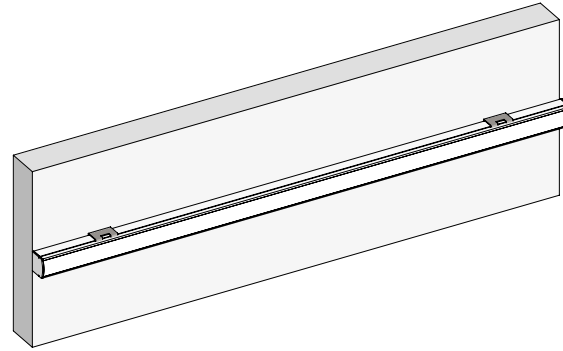
# MOUNTING INSTALLATION EXAMPLE

## SURFACE PROFILE

①

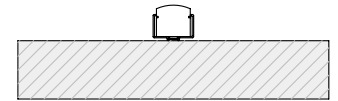


②



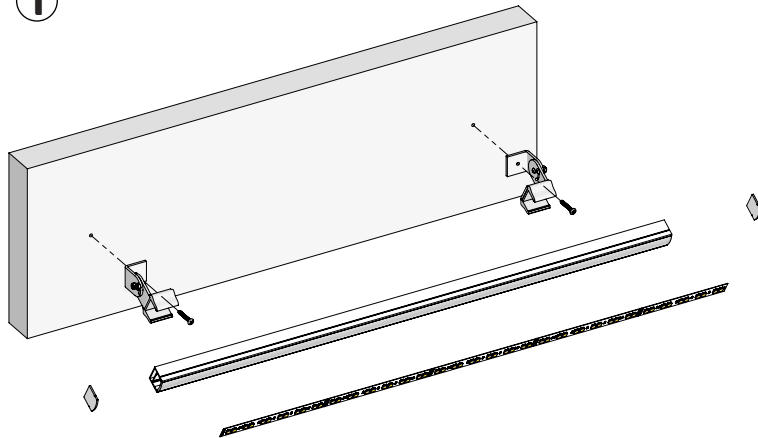
Universal surface mount anodized aluminum rigid profile complete with lens. Dimension: 79"L (2M)

PRAP-U

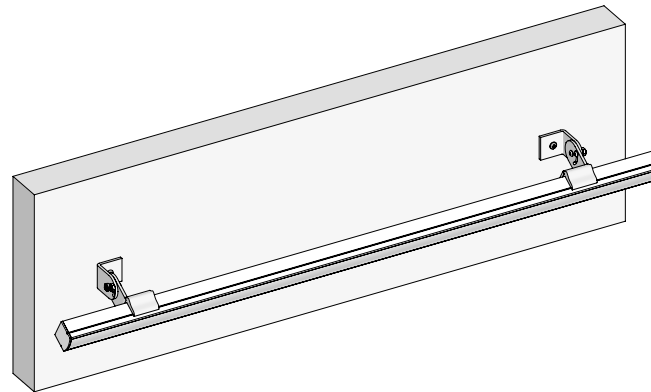


## ADJUSTABLE PROFILE

①

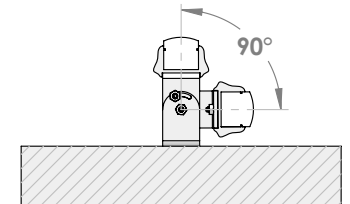


②



Universal surface mount anodized aluminum rigid profile complete with lens. Dimension: 79"L (2M)

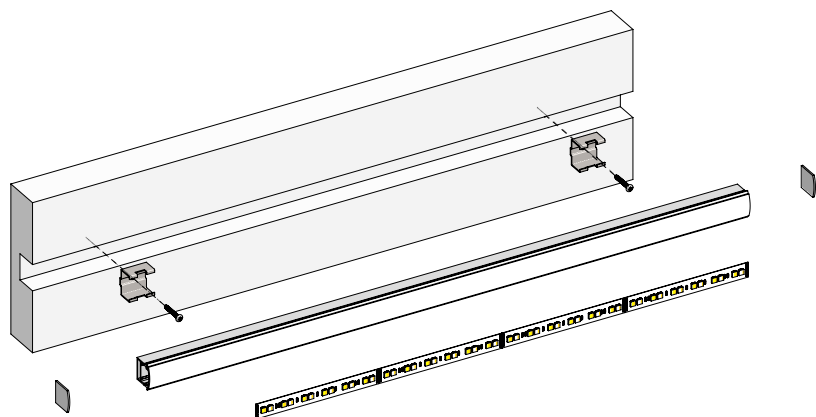
PRAP-U



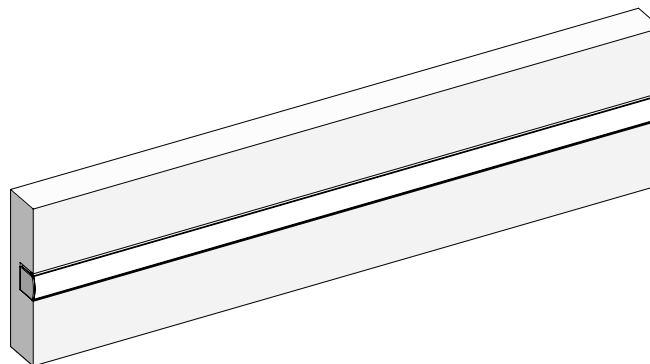
# MOUNTING INSTALLATION EXAMPLE

## RECESSED PROFILE

①

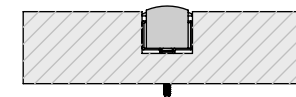


②



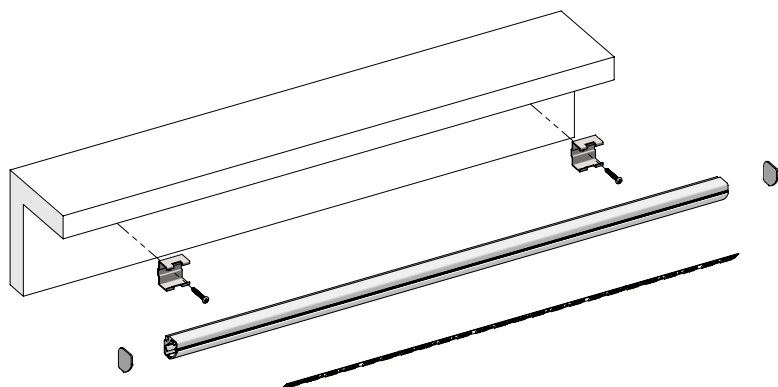
Rigid high impact two part profile with aluminum channel and white polycarbonate insert (side walls) with frosted top diffuser lens for surface or recessed mounting. Dimension: 39"L (1M)

PRINTC-GUS

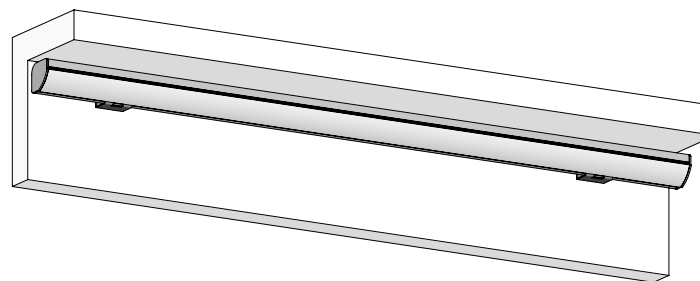


## ANGLED PROFILE

①

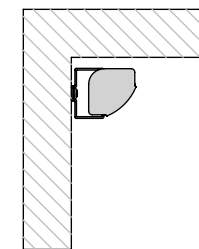


②



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

PRAN-U



# POWER SUPPLY (REQUIRED)

| ENCLOSURE              |         |                           |                            |        |                  |               |                        |                                                  |
|------------------------|---------|---------------------------|----------------------------|--------|------------------|---------------|------------------------|--------------------------------------------------|
| Part No.               | Wattage | Control                   | Dim Range                  | Rating | In / Out Voltage | Certification | Dimensions (Enclosure) | Description                                      |
| <b>DMLE301242UD</b>    | 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. |
| <b>DMLE601242UD</b>    | 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. |
| <b>DELI601241CPWM</b>  | 60W     | 0-10V                     | 1%                         | NEMA1  | 120-277V / 24V   | UL Class 2    | 10" x 10" x 4"         | MEANWELL electronic PWM driver.                  |
| <b>DELI901241CPWM</b>  | 90W     | 0-10V                     | 1%                         | NEMA1  | 120-277V / 24V   | UL Class 2    | 10" x 10" x 4"         | MEANWELL electronic PWM driver.                  |
| <b>DMLE961242UD</b>    | 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. |
| <b>DELI1802242CPWM</b> | 2X90W   | 0-10V                     | 1%                         | NEMA1  | 120-277V / 24V   | UL Class 2    | 12" x 12" x 4"         | MEANWELL electronic PWM driver.                  |
| <b>DMLE1922242UD</b>   | 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. |
| <b>DELI2703243CPWM</b> | 3X90W   | 0-10V                     | 1%                         | NEMA1  | 120-277V / 24V   | UL Class 2    | 12" x 12" x 4"         | MEANWELL electronic PWM driver.                  |
| <b>DMLE2882242UD</b>   | 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. |

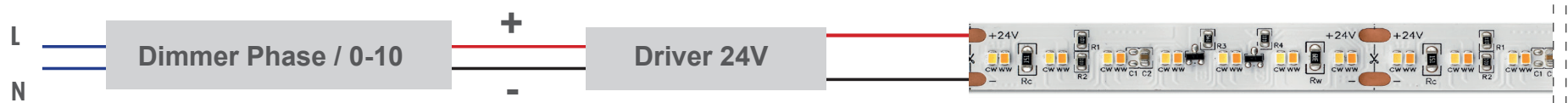
| STAND ALONE     |         |         |           |        |                  |               |                         |                                                                                |
|-----------------|---------|---------|-----------|--------|------------------|---------------|-------------------------|----------------------------------------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

## MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

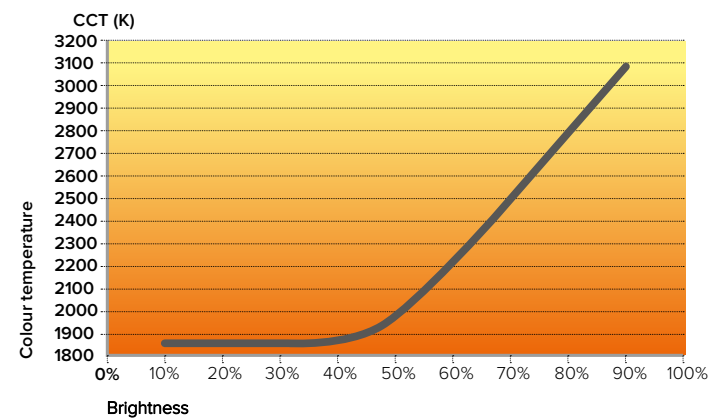
| Fixture Wattage | Driver Wattage |     |      |      |      |       |          |          |                   |
|-----------------|----------------|-----|------|------|------|-------|----------|----------|-------------------|
|                 | 30W            | 40W | 60W  | 90W  | 96W  | 2X90W | 2X96W    | 3X90W    | 3X96W             |
|                 | 2.9W           | 9FT | 12FT | 18FT | 27FT | 29FT  | (2) 27FT | (2) 29FT | (3) 27FT (3) 29FT |

# WIRING DIAGRAM

## Single Channel DIM-TO-WARM Control



## Dimming Curve



## MAINTENANCE

---

This fixture was designed and manufactured for a durable, long lasting use with minimum care. To ensure the maximum lifespan of this product, we encourage our customers to provide a quality visual inspection of the fixture and installation accessories every six months.

If there are any visible signs of issues (i.e moisture or dust) during the inspection, please clean any of the dust or moisture with a soft cloth and check to make sure that any of the fixtures are still operating normally. If there are any issues regarding the fixture, please contact us as we will assist the situation at hand.

## SUPPORT

---

Any questions, problems, or comments you have please feel free to contact our Customer Service department during our business hours Monday-Friday 8am-5pm via: Email: [usaorders@targetti.com](mailto:usaorders@targetti.com) Phone: (714) 513-1991

Visit our website: <http://www.targettiusa.com>