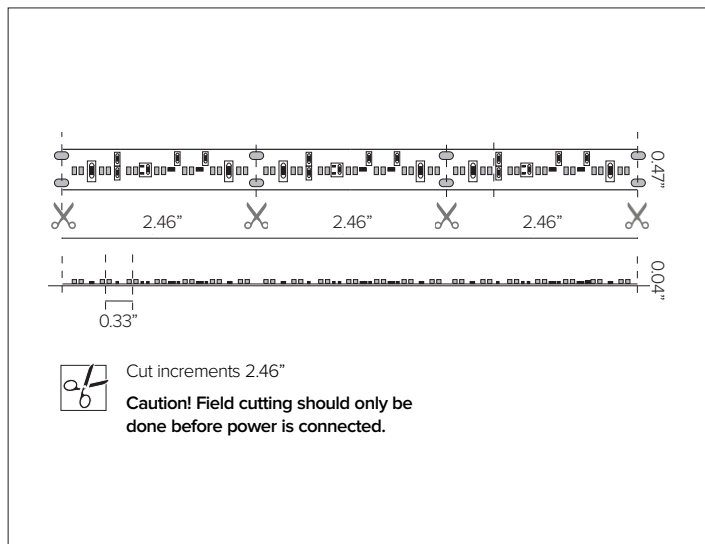


DURATAPE DIM-TO-WARM IP20

Dim-To-Warm Strip Light



CONCEPT

DURATAPE DIM-TO-WARM allows the light intensity to be decreased and the color temperature of the light to be varied at the same time, simulating the dimming curve of an incandescent lamp. The strip follows a preset dimming curve with the coolest kelvin temperature LED at highest intensity to the warmest kelvin temperature LED at lowest intensity.

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 for linear applications with variable color temperature from 2700K to 6000K, all white shades possible to vary the atmosphere and environment. Version from 1800K to 3000K is particularly suitable for warm and welcoming atmospheres.

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	2.9W/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". 28' max.

SOURCE

LEDs	68 LEDs per foot. Arranged as pairs of bi-color sets		
Spacing	0.33" OC Paired LED Spacing		
TM30	CCT (Nominal)	CRI	SDCM
	T1 – 1800K	90	3
	T1 – 3000K	90	3
	T2 – 2700K	90	3
	T2 – 6000K	90	3

Strip & LED Details	Model	W/LED	Delivered Lumens* 3000K	Viewing Angle
	2.9W/ft	0.04W	274Lm/ft	117°
* Meets Title 24 High efficacy rating.				
Efficacy	96Lm/W max. Refer to photometric graphs for specific values.			
Lifetime	L70/B10 ≥50,000hrs at max TA +45°C			

DURATAPE DIM-TO-WARM IP20

SPECIFICATION INFORMATION

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

Ex: DLDW29IT124 / 07UIICBL1 / PRAP-U / DMLE601242UD

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL – DURATAPE™	DW – DIM-TO-WARM	29 – 2.9W/ft	I – IP20	T1 – 1800K – 3000K T2 – 2700K – 6000K	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 DIM-TO-WARM IP20

7 - END PREP CONNECTION (REQUIRED)



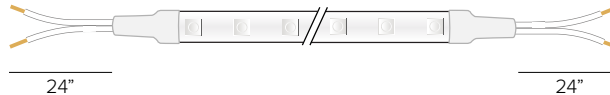
DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

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**

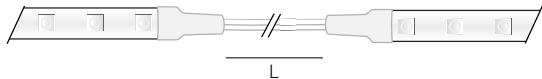
7 - END PREP CONNECTION (OPTIONAL)



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 DIM-TO-WARM IP20

9 - MOUNTING (REQUIRED)

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

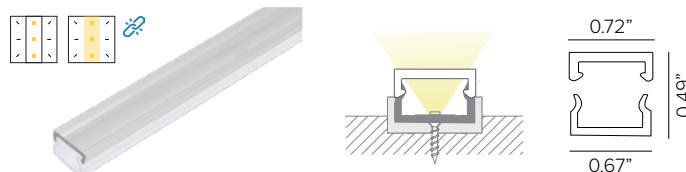


CLIPS AND SURFACE PROFILES



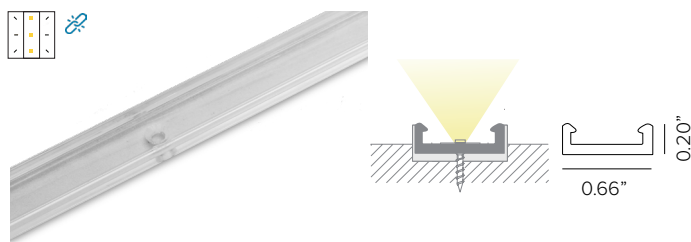
DURATAPE ES plastic mounting clip, package of 10ea. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).

Part No. **DL-CP-20**



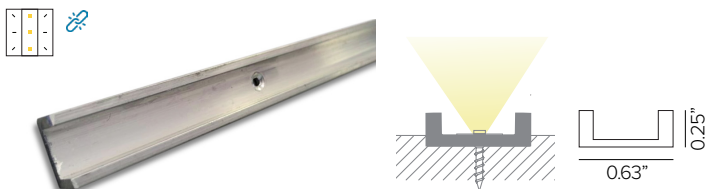
Two-piece PVC mounting tube, white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L.

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



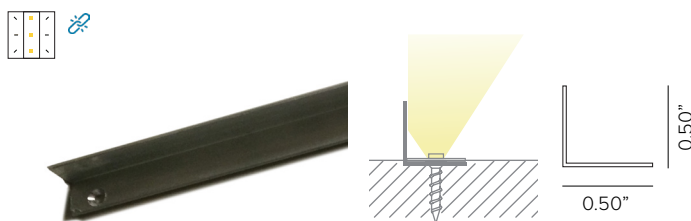
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DL-MCHAN-8**



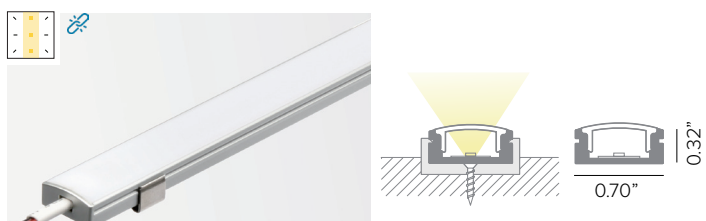
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DLALUM8**



Aluminum L-Profile 1/2" x 1/2" for linear run lengths. Duratape can be mounted at either 0° or 90° mounting positions. Countersink screw holes, 12" O.C. Dimension: 96"L.

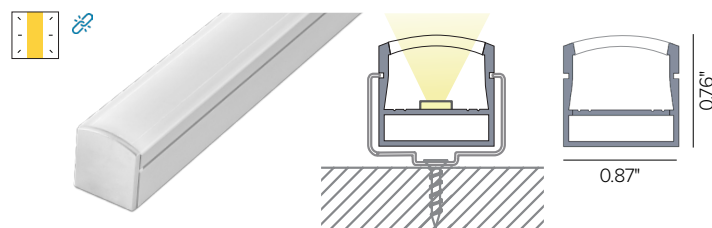
Part No. **DLALUML8**



Aluminum profile with white polycarbonate lens for surface or recessed installation with limited width. Equipped with angle-joint accessory. Dimension: 118"L (3M).

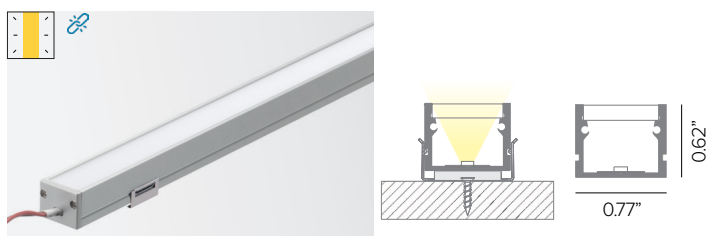
Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.

Part No. **P01B-S-PF-300**



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

Part No. **PRAP-U**



Aluminum profile with polycarbonate lens with uniform light distribution for surface or recessed with suitable clips. 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.**

Part No. **P03B-S-PF-300**

DURATAPE DIM-TO-WARM IP20

9 - MOUNTING CONT. (REQUIRED)

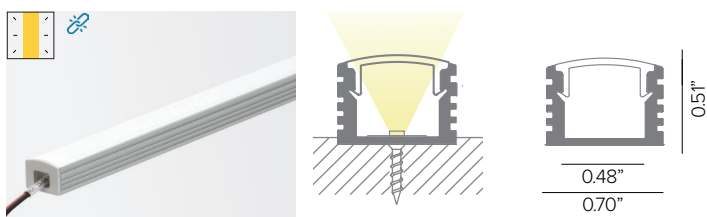
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

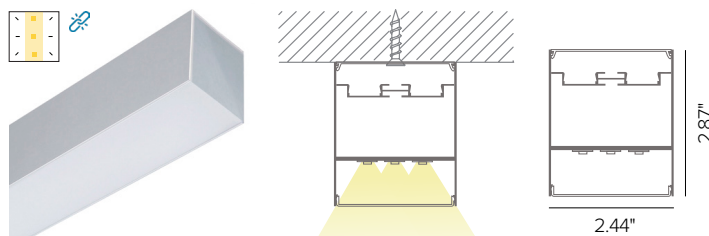
 **PIXEL**
INDIRECT VIEW

SURFACE PROFILES CONT.



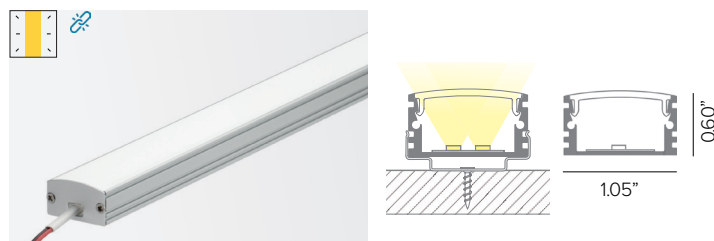
Aluminum profile with white PMMA screen for surface or recessed installation with limited width. Equipped with angle-joint accessory. Available in 118in (3M) lengths.

Part No. **P02B-S-PF-300**



Aluminum profile with frosted polycarbonate lens for surface mount. Dimension: 48"L.

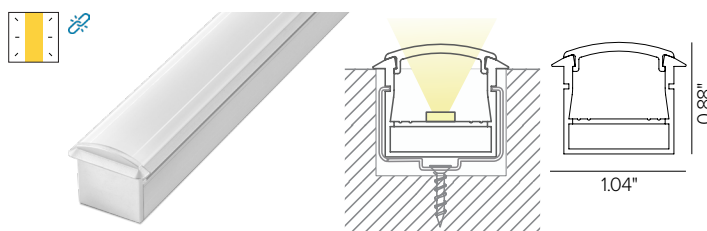
Part No. **PRDESO**



Aluminum profile with opal polycarbonate lens for surface or recessed with suitable clips. 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.**

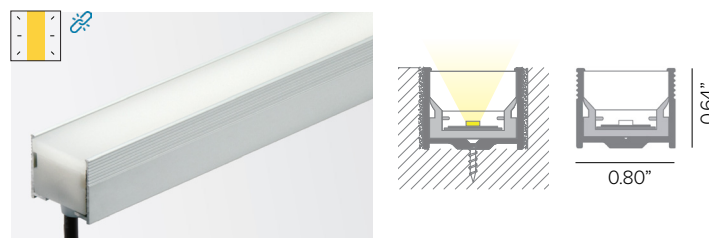
Part No. **P04B-S-PF-300**

RECESSED PROFILES



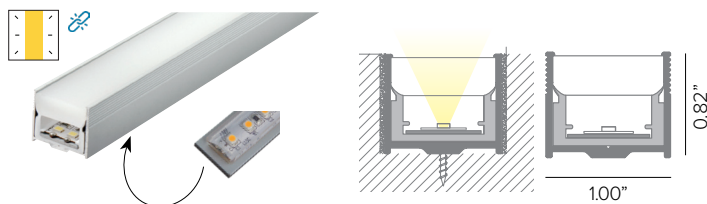
Recessed flush mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRIN-U**



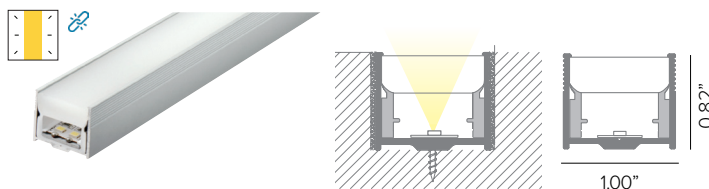
Aluminum high impact walk over rated profile with frosted polycarbonate lens for recessed installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P03E-S-PF-300**



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**



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**

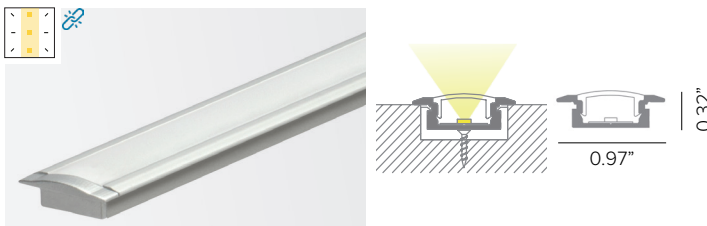
DURATAPE DIM-TO-WARM IP20

9 - MOUNTING CONT. (REQUIRED)

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

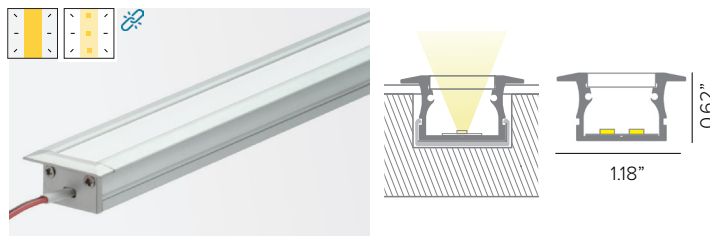


RECESSED PROFILES CONT.



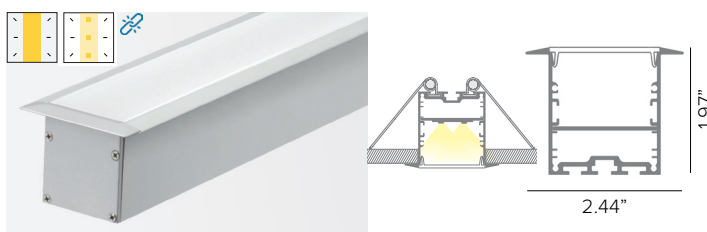
Aluminum profile with opal polycarbonate lens for recessed installation with limited width. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P02H-S-PF-300**



Aluminum profile with frosted polycarbonate lens for recessed 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.**

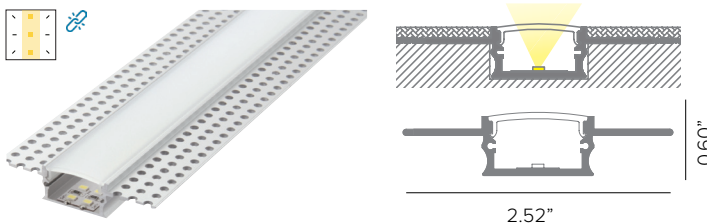
Part No. **P04H-S-PF-300**



Aluminum profile with opal polycarbonate lens for recessed 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.**

Part No. **P08D-S-PF-300**

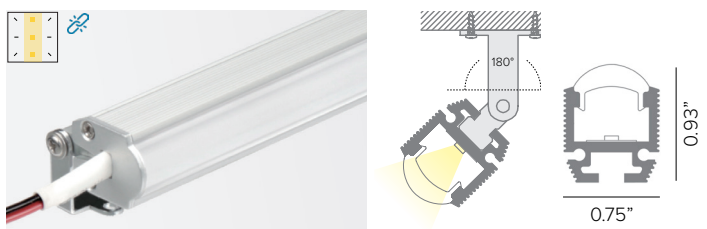
TRIMLESS MUD-IN PROFILES



Recessed trimless mud-in aluminum profile with opal polycarbonate lens for installation in plasterboard. Dimension: 79"L (2M)

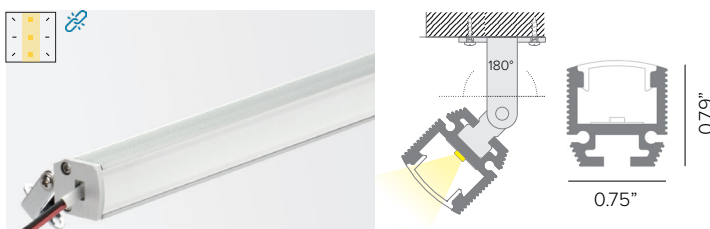
Part No. **PRINCG**

ADJUSTABLE PROFILES



Surface mount adjustable aluminum profile with frosted PMMA lens. Lens shape creates narrower illumination. Lens shape creates narrower 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.**

Part No. **P03C-S-PF-300**



Surface mount adjustable aluminum profile with opal 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.**

Part No. **P02C-S-PF-300**

DURATAPE DIM-TO-WARM IP20

9 - MOUNTING CONT. (REQUIRED)

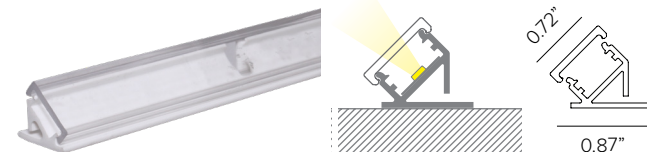
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

 **PIXEL**
INDIRECT VIEW

ANGLED PROFILES

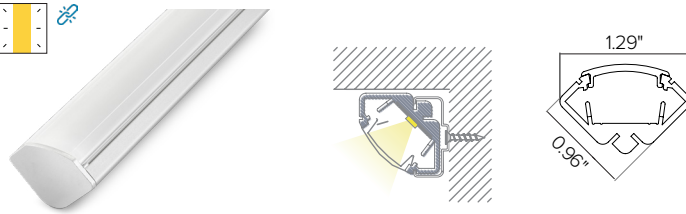


Two-piece 45° PVC mounting tube; white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L

Base Part No. **DLW45MCH-4**

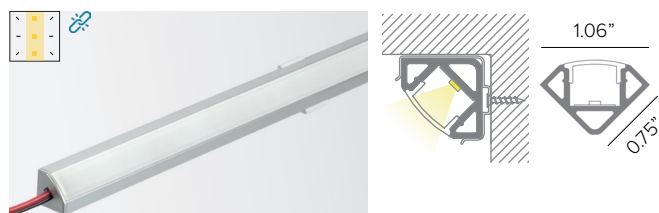
Cover Diffusion Clear Frosted 10% Frosted 30% Frosted 60%

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



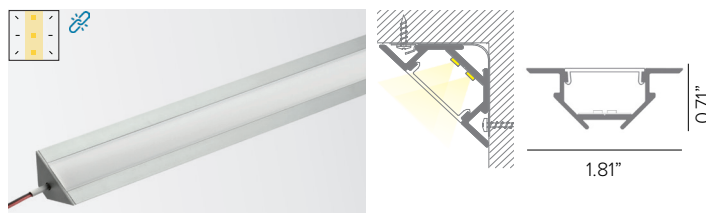
45° anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRAN-U**



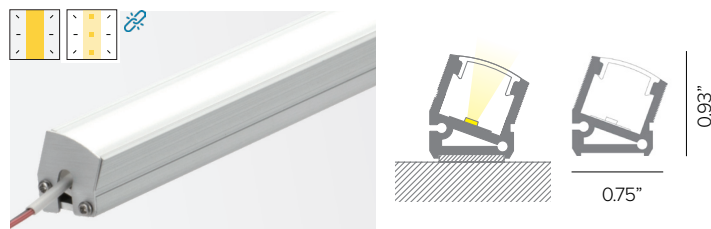
45° aluminum profile with opal polycarbonate lens for surface or recessed corner applications. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P03F-S-PF-300**



Aluminum profile with opal polycarbonate lens for surface in 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.**

Part No. **P04F-S-PF-300**



Fixed 30° angled aluminum profile opal 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.**

Part No. **P04C-S-PF-300**

DURATAPE DIM-TO-WARM IP20

9 - MOUNTING CONT. (REQUIRED)

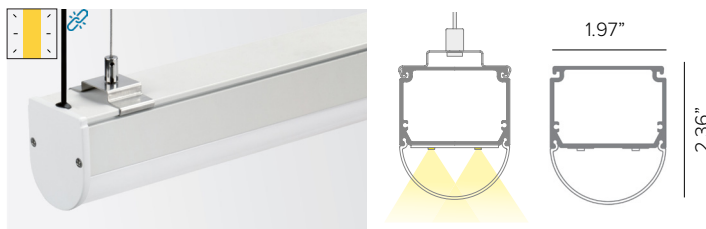
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT
VIEW

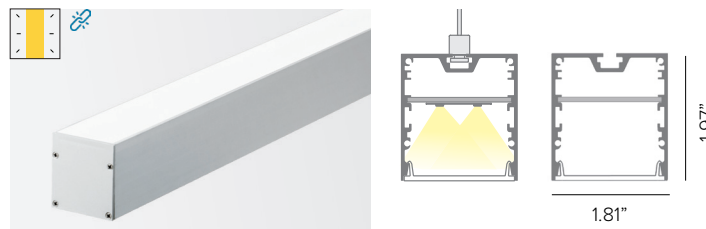
 **PIXEL**
INDIRECT VIEW

SUSPENDED PROFILES



Aluminum profile with domed 180° opal polycarbonate lens for suspension 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.**

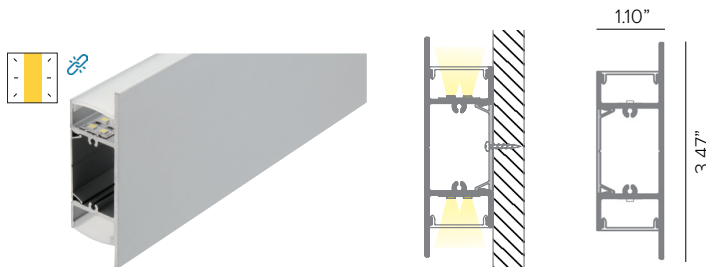
Part No. **P07A-S-PF-300**



Aluminum profile with opal polycarbonate lens for suspension 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.**

Part No. **P01L-S-PF-300**

WALL MOUNT PROFILE



Wall mount aluminum profile with two opal 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.**

Part No. **P06A-S-PF-300**

DURATAPE DIM-TO-WARM 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 <10% 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.
DMLE601242UD	60W	MLV / ELV / 0-10V / TRIAC	MLV <10% 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.
DELI601241CPWM	60W	0-10V	1%	NEMA1	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
PS060	96W	HI-LUME ECOSYSTEM	0.1%	IP20/NOM CERTIFIED	UNIVERSAL 120-277 VAC	UL Class 2	10.5" x 5.5" x 2"	Lutron Hi-Lume Premiere constant voltage 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 <10% 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.
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 <10% 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 <10% 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
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	9FT	12FT	18FT	27FT	29FT	(2) 27FT	(2) 29FT	(3) 27FT	(3) 29FT

DURATAPE DIM-TO-WARM IP20

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS



	3000K	H(m)	D(m)	E _{max} (lx)		
	-		117°			
Fixture Power	10W	1	3.25	284		
Source Flux	900lm	2	6.50	71		
Fixture Flux	900lm	3	9.74	32		
Efficacy	94lm/W	4	12.99	18		
950248	I _{max} =316cd/klm	I _{max}	284cd	5	16.24	11

DIMMING CURVE

