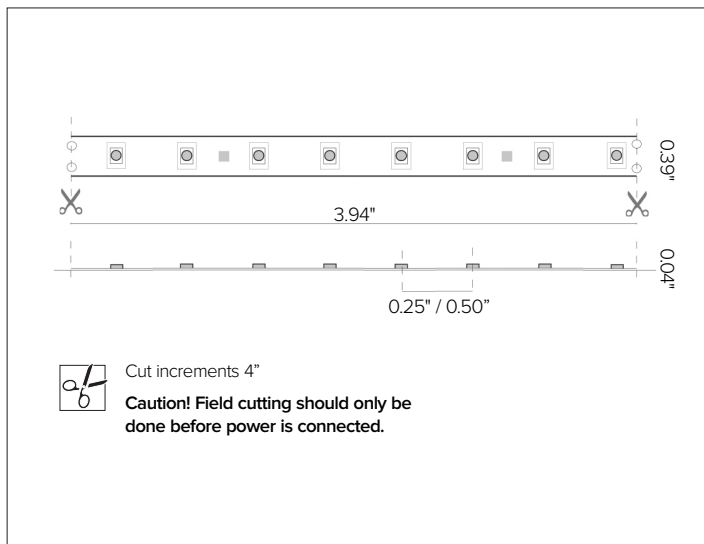


DURATAPE HIGH EFFICIENCY IP20

High Efficiency Low Voltage Strip Light



CONCEPT

High efficiency essential white strip light with narrow LED spacing for continuous consistent color 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 high intensity linear applications such as cove, under-counter/cabinet, mill work, and detailed 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 / 3.5W/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 3.94". 39ft / 2.2W/ft 24ft / 3.5W/ft

SOURCE

LEDs	24 LEDs/ft (2.2W/ft) / 49 LEDs/ft (3.5W/ft)						
Spacing	0.50" O.C. (2.2W/ft) / 0.25" O.C. (3.5W/ft)						
TM30	CCT (Nominal)	CRI	Rf	Rg	R9	DUV	SDCM
	3000K	93	91	99	56	0.006	2
	4000K	94	91	99	72	0.0011	2

Strip & LED Details	Model	W/LED	Delivered Lumens*		Viewing Angle
			3000K	4000K	
2.2W/ft	0.09W	586Lm/ft	605Lm/ft	117° x 122°	
3.5W/ft	0.07W	628Lm/ft	648 Lm/ft	117° x 122°	

* Meets Title 24 High efficacy rating.

Efficacy	185Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70/B10 ≥50,000hrs at max TA +45°C

DURATAPE HIGH EFFICIENCY IP20

SPECIFICATION INFORMATION

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

Ex: DLHE2213024 / 07UIICBL1/PRAP-U / DMLE601242UD

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL — DURATAPE™	HE — HIGH EFFICIENCY	22 — 2.2W/ft 35 — 3.5W/ft	I — IP20	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 HIGH EFFICIENCY IP20

7 - END PREP CONNECTION (REQUIRED)



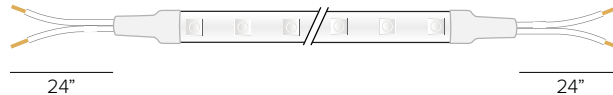
DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

Part No. **07U11CBL1**

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

Length Per foot

Part No. **07U11ADDCBL1**



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. **07U11CBL2**

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

Length Per foot

Part No. **07U11ADDCBL1**

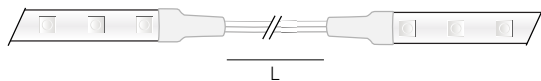
7 - END PREP CONNECTION (OPTIONAL)



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. **07U11ADDCON**

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.	07U11FOLDL-CBL-01	07U11FOLDL-CBL-02	07U11FOLDL-CBL-03	07U11FOLDL-CBL-04	07U11FOLDL-CBL-06

DURATAPE HIGH EFFICIENCY IP20

9 - MOUNTING (REQUIRED)

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

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

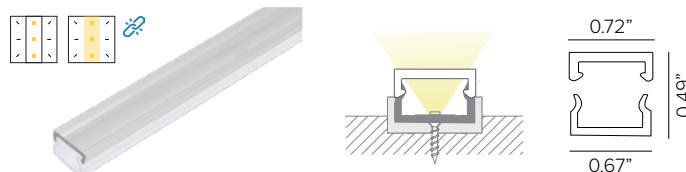
 **PIXEL**
INDIRECT VIEW

CLIPS AND SURFACE PROFILES



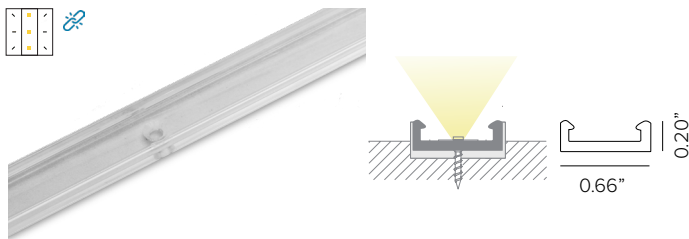
DURATAPE plastic mounting clip, package of 10ea. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).

Part No. **DLCLP20**



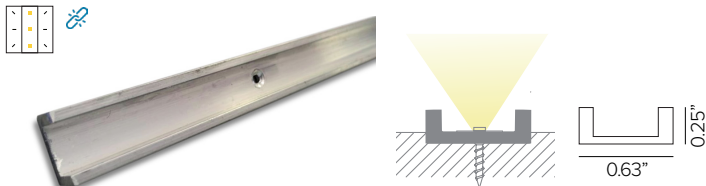
Two-piece PVC mounting tube, white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L.

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



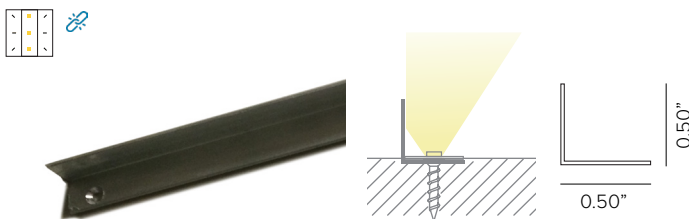
Clear PVC "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

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



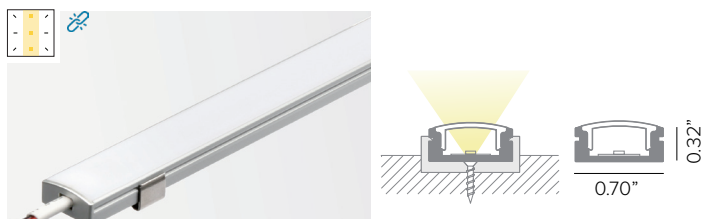
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

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.

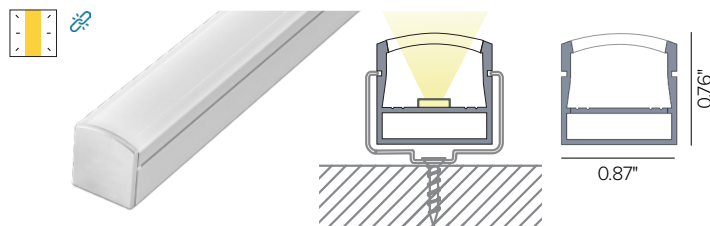
Part No. **DLALUML8**



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

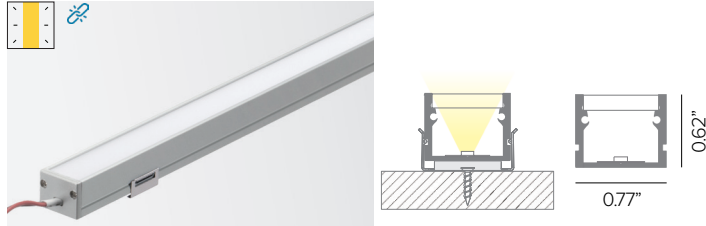
Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.

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 HIGH EFFICIENCY IP20

9 - MOUNTING CONT. (REQUIRED)

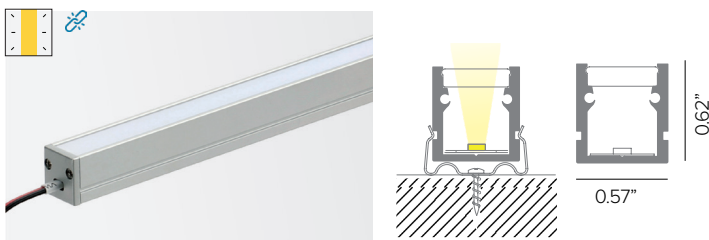
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT
VIEW

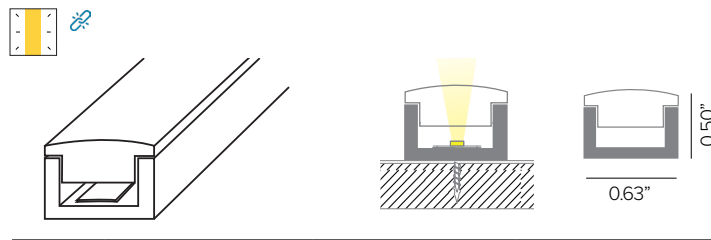
 **PIXEL**
INDIRECT VIEW

SURFACE PROFILES CONT.



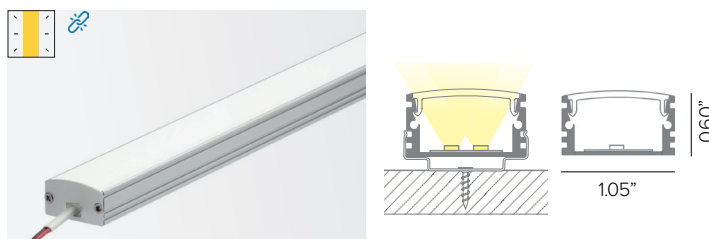
Aluminum profile with frosted polycarbonate lens for surface installation.
Dimension: 79"L (2M).

Part No. **P04A-S-PF-200**



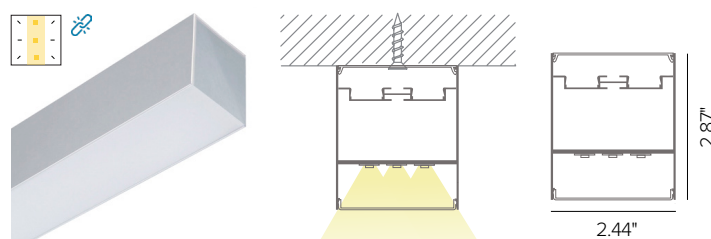
Surface mounted two-piece aluminum U-channel with opal polycarbonate lens with 6" O.C. screw holes. Snap in diffusion lens for shadowless light for continuous illumination distribution. Dimension: 72"L.

Part No. **DL-ALUM-C-6**



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.**

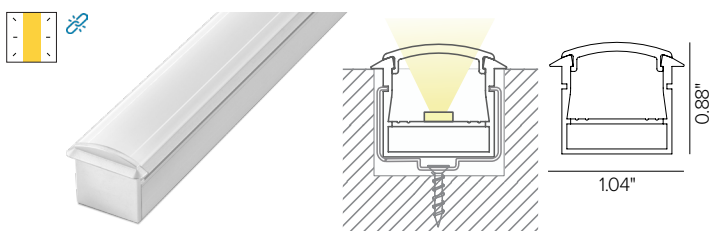
Part No. **P04B-S-PF-300**



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

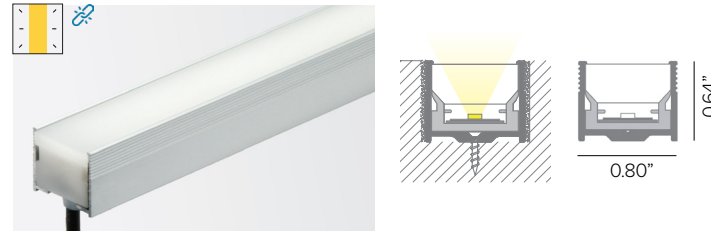
Part No. **PRDESO**

RECESSED PROFILES



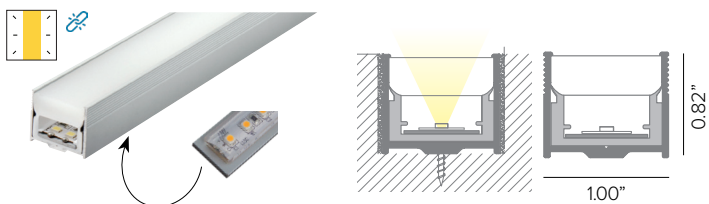
Recessed flush mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRIN-U**



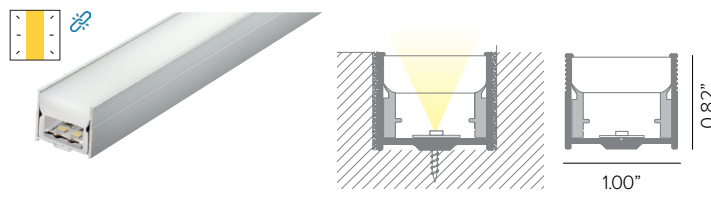
Aluminum high impact walk over rated profile with frosted polycarbonate lens for recessed installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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 HIGH EFFICIENCY IP20

9 - MOUNTING CONT. (REQUIRED)

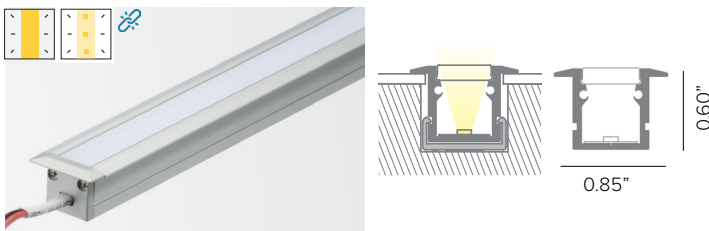
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT
VIEW

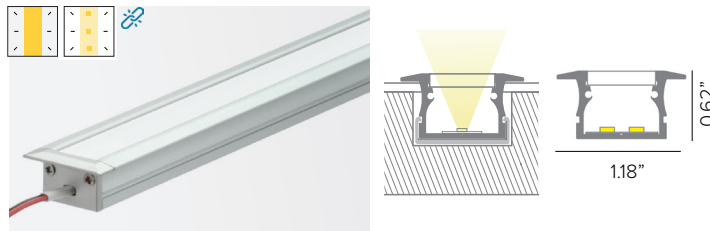
 **PIXEL**
INDIRECT VIEW

RECESSED PROFILES CONT.



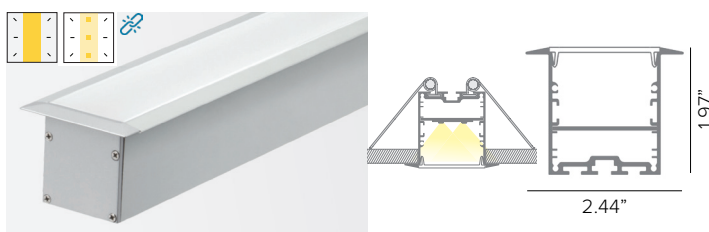
Aluminum profile with frosted polycarbonate lens for recessed installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P03H-S-PF-300**



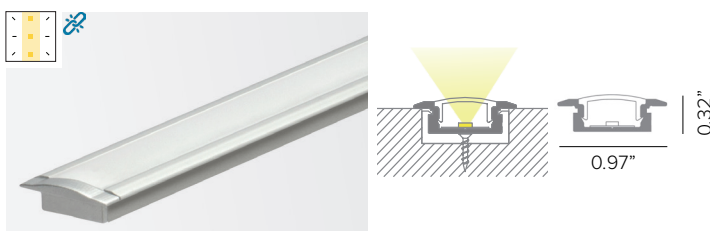
Aluminum profile with frosted polycarbonate lens for recessed installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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.**

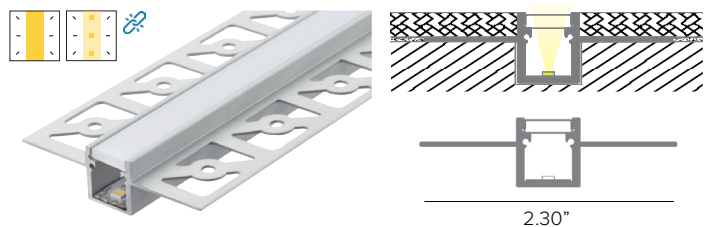
Part No. **P08D-S-PF-300**



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.**

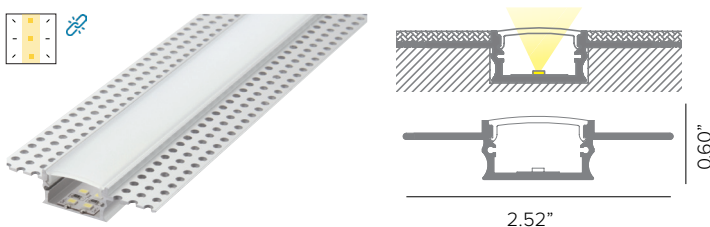
Part No. **P02H-S-PF-300**

TRIMLESS MUD-IN PROFILES



Recessed trimless mud-in flush 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.**

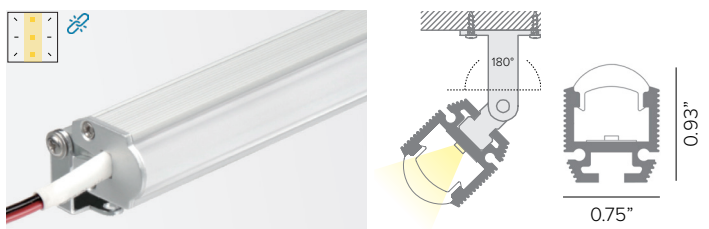
Part No. **P05B-S-PF-300**



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

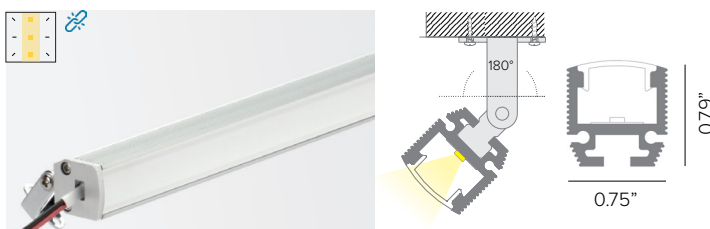
Part No. **PRINCG**

ADJUSTABLE PROFILES



Surface mount adjustable aluminum profile with frosted PMMA lens. Lens shape creates narrower illumination. 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 HIGH EFFICIENCY IP20

9 - MOUNTING CONT. (REQUIRED)

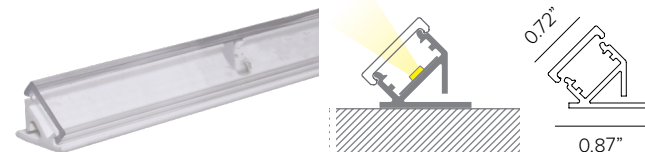
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT
VIEW

 **PIXEL**
INDIRECT VIEW

ANGLED PROFILES

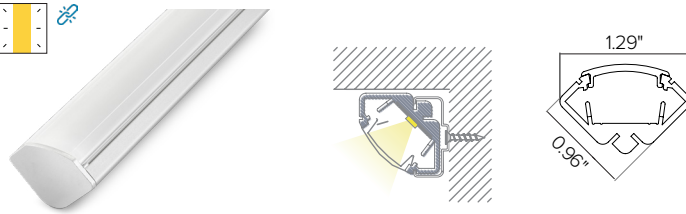


Two-piece 45° PVC mounting tube; white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L

Base Part No. **DLW45MCH-4**

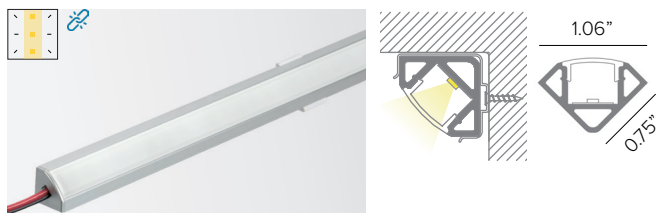
Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
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Cover Part No.	DLW45CVR4-C	DLW45CVR4-F10	DLW45CVR4-F30	DLW45CVR4-F60
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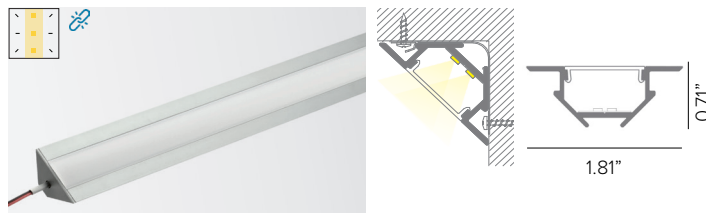
45° anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRAN-U**



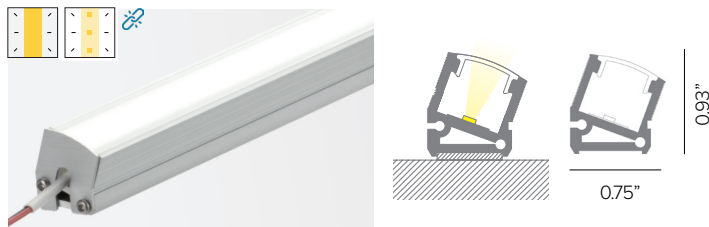
45° aluminum profile with opal polycarbonate lens for surface or recessed corner applications. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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 HIGH EFFICIENCY IP20

9 - MOUNTING CONT. (REQUIRED)

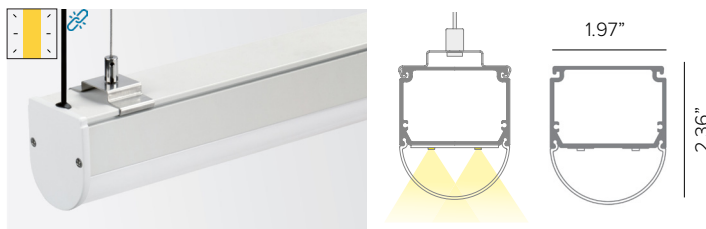
[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT
VIEW

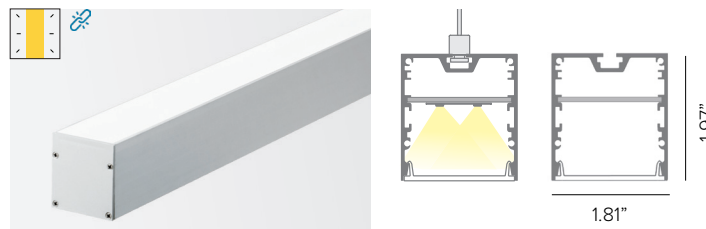
 **PIXEL**
INDIRECT VIEW

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.**

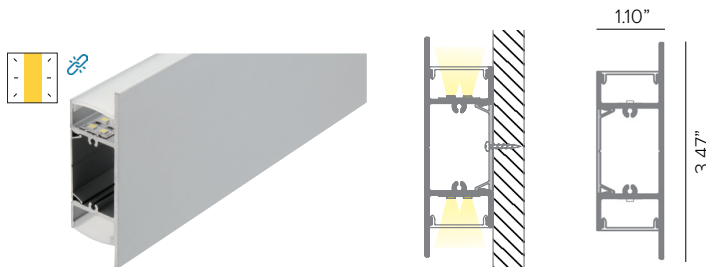
Part No. **P07A-S-PF-300**



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 HIGH EFFICIENCY 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 <5%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD electronic driver with wiring compartment.
DMLV40124D	40W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
DMLE601242UD	60W	MLV / ELV / 0-10V / TRIAC	MLV <10% ELV <10% 0-10V <5%	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	<10%	NEMA1	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DMLV60124D	60W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
DELI901241CPWM	90W	0-10V	<10%	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 <5%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54"	EMCOD electronic driver with wiring compartment.
DMLV96124D	96W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
DELI1802242CPWM	2X90W	0-10V	<10%	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 <5%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD electronic driver with wiring compartment.
DMLV192224D	2X96W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.00" x 4.15" x 3.41"	Magnetic low voltage transformer.
DELI2703243CPWM	3X90W	0-10V	<10%	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 <5%	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	<10%	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	<10%	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

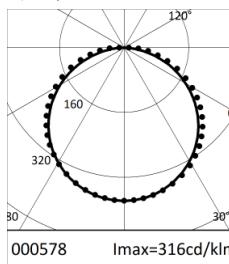
Fixture Wattage	Driver Wattage								
	30W	40W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
2.2W	12FT	16FT	24FT	36FT	39FT	(2) 36FT	(2) 39FT	(3) 36FT	(3) 39FT
3.5W	7FT	10FT	15FT	23FT	24FT	(2) 23FT	(2) 24FT	(3) 23FT	(3) 24FT

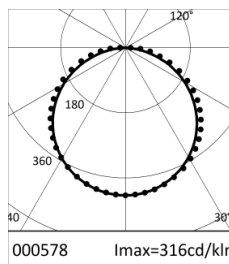
DURATAPE HIGH EFFICIENCY IP20

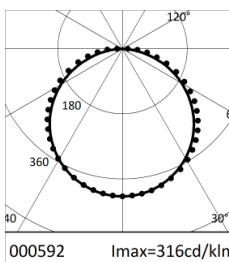
PHOTOMETRY

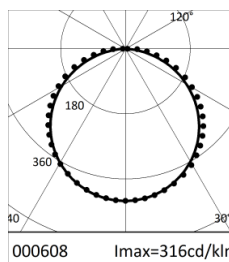
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

2.2W/FT

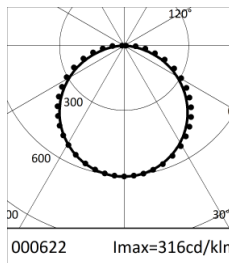
		2700K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	377	
	Source Flux	1195lm	2	6.50	7.24	94	
	Fixture Flux	1195lm	3	9.74	10.86	42	
	Efficacy	166lm/W	4	12.99	14.48	24	
	000578	I _{max} =316cd/klm	I _{max}	377cd	5	16.24	18.09

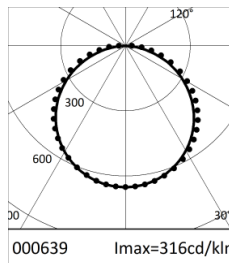
		3000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	407	
	Source Flux	1290lm	2	6.50	7.24	102	
	Fixture Flux	1290lm	3	9.74	10.86	45	
	Efficacy	179lm/W	4	12.99	14.48	25	
	000578	I _{max} =316cd/klm	I _{max}	407cd	5	16.24	18.09

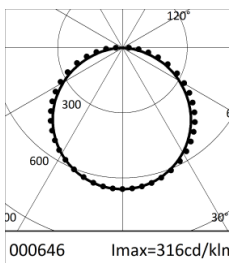
		3500K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	407	
	Source Flux	1290lm	2	6.50	7.24	102	
	Fixture Flux	1290lm	3	9.74	10.86	45	
	Efficacy	179lm/W	4	12.99	14.48	25	
	000592	I _{max} =316cd/klm	I _{max}	407cd	5	16.24	18.09

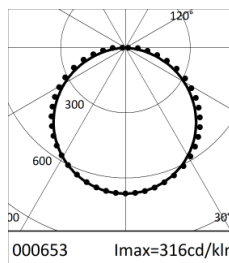
		4000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	420	
	Source Flux	1330lm	2	6.50	7.24	105	
	Fixture Flux	1330lm	3	9.74	10.86	47	
	Efficacy	185lm/W	4	12.99	14.48	26	
	000608	I _{max} =316cd/klm	I _{max}	420cd	5	16.24	18.09

3.5W/FT

		2700K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	605	
	Source Flux	1915lm	2	6.50	7.24	151	
	Fixture Flux	1915lm	3	9.74	10.86	67	
	Efficacy	167lm/W	4	12.99	14.48	38	
	000622	I _{max} =316cd/klm	I _{max}	605cd	5	16.24	18.09

		3000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	650	
	Source Flux	2060lm	2	6.50	7.24	163	
	Fixture Flux	2060lm	3	9.74	10.86	72	
	Efficacy	179lm/W	4	12.99	14.48	41	
	000639	I _{max} =316cd/klm	I _{max}	650cd	5	16.24	18.09

		3500K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	650	
	Source Flux	2060lm	2	6.50	7.24	163	
	Fixture Flux	2060lm	3	9.74	10.86	72	
	Efficacy	179lm/W	4	12.99	14.48	41	
	000646	I _{max} =316cd/klm	I _{max}	650cd	5	16.24	18.09

		4000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	671	
	Source Flux	2125lm	2	6.50	7.24	168	
	Fixture Flux	2125lm	3	9.74	10.86	75	
	Efficacy	185lm/W	4	12.99	14.48	42	
	000653	I _{max} =316cd/klm	I _{max}	671cd	5	16.24	18.09