DURATAPE HIGH DENSITY IP20

High Output Strip Light for Uninterrupted Light Emission

0.79" 0.40" 0.04" 0.13" O.C.

DURATAPE features double-sided solder points for maximum continuity for long lifespan.

Cut increment 0.79"

Caution! Field cutting should only be done before power is connected.

IP20   RoHS COMPLIANT   c(UL)us Class2
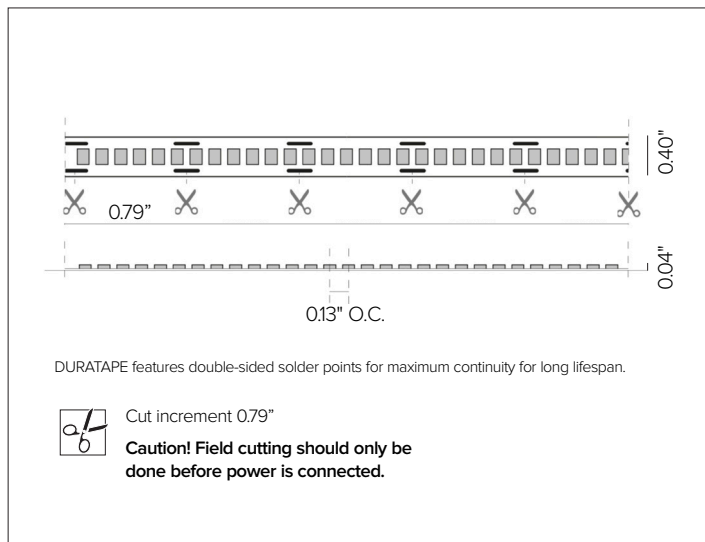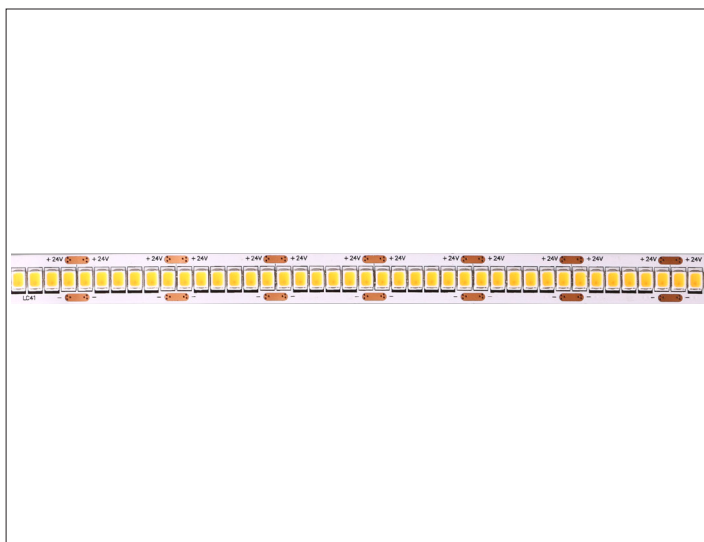
CONCEPT

High output strip light with tightly spaced LED's for uniform uninterrupted emission with superior performance and continuous consistent color.

MECHANICAL CHARACTERISTICS

Materials	Features double sided 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 applications such as cove, under-counter/cabinet, millwork, and detailed lighting accents.
Installation	Field cuttable. Pre-assembled to specific lengths with various connector options for project requirements and efficient power configuration.
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. Listed Class 2 output 24V DC power supply required, see available options.
Wattage	7.3W/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 0.79". 10ft / 7.3W/ft

SOURCE

LEDs	91LEDs/ft
Spacing	0.13" O.C.

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	
	7.3W/ft	0.08W	592Lm/ft	622Lm/ft	117°

* Meets Title 24 High efficacy rating.

Efficacy	100Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70/B20 >37,000hrs at max TA +25°C

DURATAPE HIGH DENSITY IP20

SPECIFICATION INFORMATION

DL				/		/		/		/		/	
1	2	3	4	5	6	7	8	9	10				

REQUIRED   OPTIONAL   REQUIRED

Ex: DLES30I27HC24 / 07UI1CBL1 / PRAP-U / DMLE601242UD

1 - PRODUCT CODE	2 - TYPE	3- WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL — DURATAPE™	**HD** – High Density	**73** – 7.3W/ft	**I** – IP20	**22** — 2200K	**24** – 24V DC
				27 — 2700K	
				30 — 3000K	
				35 — 3500K	
				40 — 4000K	

7 - END PREP CONNECTION	8 - INTERCONNECTION	9 - MOUNTING	10 - DRIVER
REQUIRED	*OPTIONAL*	*REQUIRED*	*REQUIRED*
See section for details	*See section for details*	*See section for details*	*See section for details*

INSTALLATION EXAMPLES

COVE

UNDER COUNTER TASK

UNDER COUNTER DIRECTIONAL TASK

DURATAPE HIGH DENSITY IP20

7 - 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"
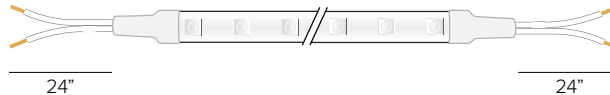
DURATAPE factory attached double lead wire end prep. One end can be used for power connectivity while the other end can be used for DURATPAPE interconnection. Translucent wire with positive/negative identification that easily blends into the mounting environments. ***Caution: Pay attention to max run 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

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.	07UI1ADDCON

8 - INTERCONNECTION (OPTIONAL)

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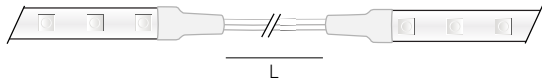
DURATAPE factory attached interconnection wire fold, white finish. **Caution: Pay attention to max run lengths and voltage drops from total lead/fold wire lengths.**

Length	1"	2"	3"	4"	6"
Part No.	07UI1FOLDCBL-01	07UI1FOLDCBL-02	07UI1FOLDCBL-03	07UI1FOLDCBL-04	07UI1FOLDCBL-06

DURATAPE HIGH DENSITY IP20

10 - MOUNTING (REQUIRED)

CLIPS AND SURFACE PROFILES

WEBSITE LINK *SPEC SHEET*

UNIFORM *DIRECT VIEW*

BLENDED DIRECT/INDIRECT VIEW
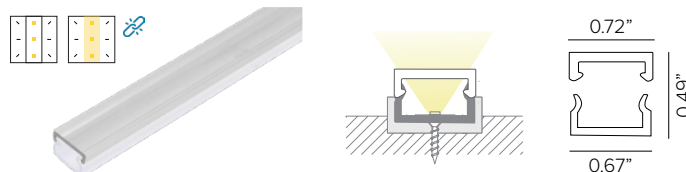
PIXEL INDIRECT VIEW

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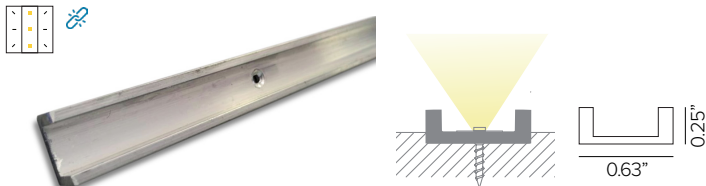
Part No.	**DL-CP-20**

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

0.72" 0.49" 0.67"

Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
Part No.	**DLW2PCC**	**DLW2PCF10**	**DLW2PCF30**	**DLW2PCF60**
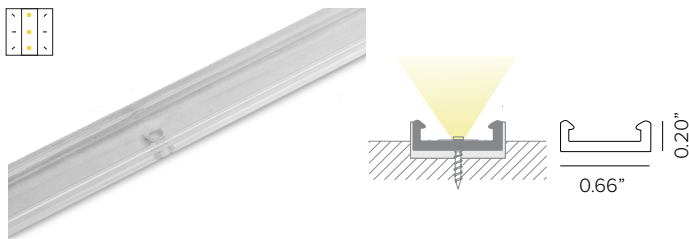
Clear PVC "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

0.20" 0.66"

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

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

0.25" 0.63"
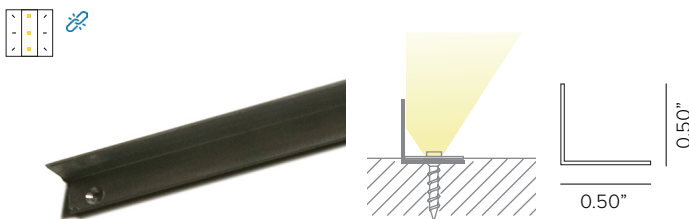
Part No.	**DLALUMU8**

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

0.50" 0.50"
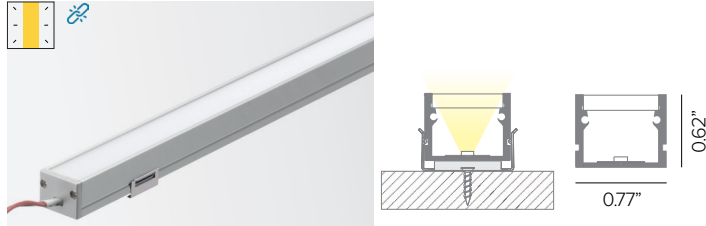
Part No.	**DLALUML8**
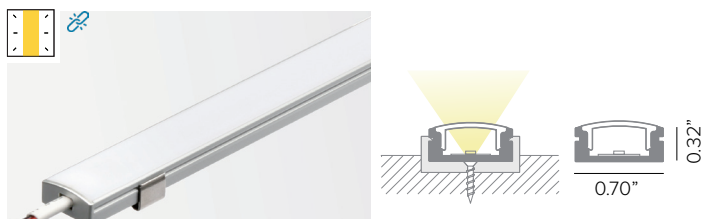
Aluminum profile with white polycarbonate lens for surface or recessed installation with limited width. Dimension: 118"L (3M). ***Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.***

0.32" 0.70"

Part No.	**P01B-S-PF-300**
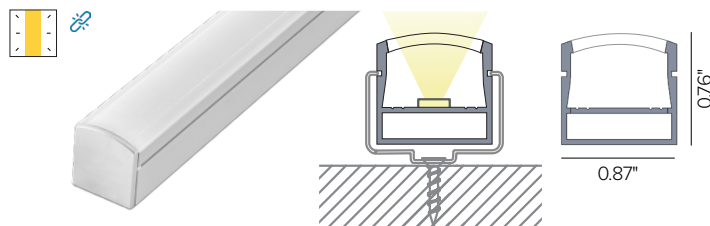
Surface mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

0.76" 0.87"

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.***

0.62" 0.77"

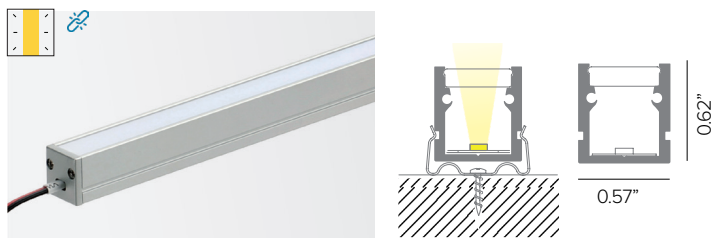| Part No.	**P03B-S-PF-300**

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10 - MOUNTING CONT. (REQUIRED)

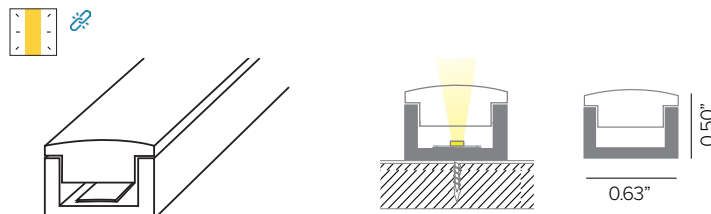**UNIFORM** *DIRECT VIEW*

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**

0.62"
0.57"

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.

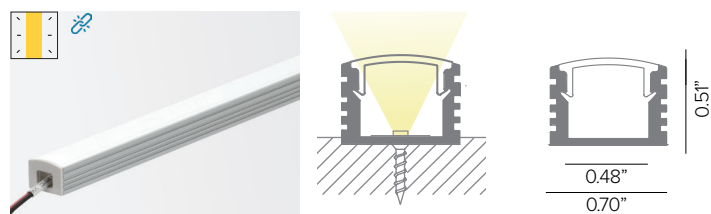*Part No.* **DL-ALUM-C-6**
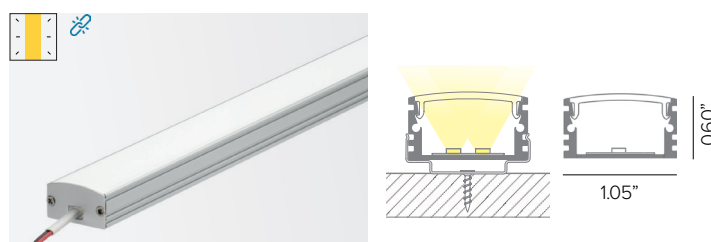
0.50"
0.63"

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**

0.60"
1.05"
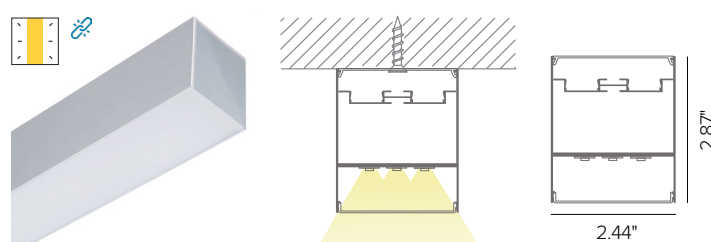
Aluminum profile with frosted polycarbonate lens for surface mount. Dimension: 48"L.
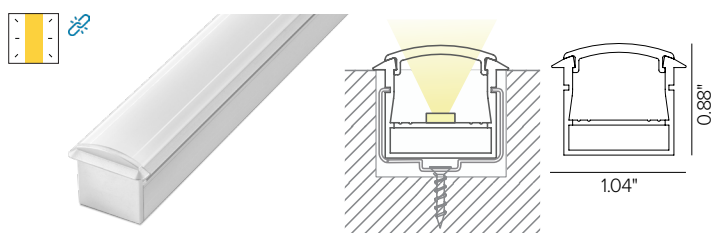
Part No. **PRDESO**

2.87"
2.44"

Aluminum profile with white PMMA screen for surface or recessed installation with limited width. Equipped with angle-joint accessory. Available in 118in (3M) lengths.
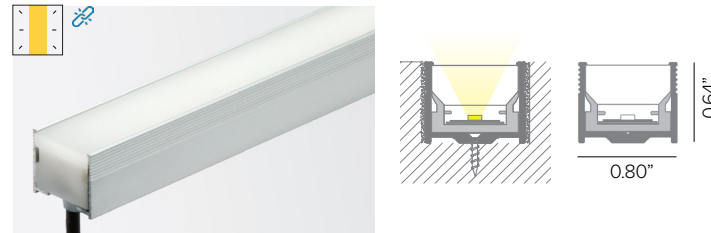
Part No. **P02B-S-PF-300**

0.51"
0.48"
0.70"

RECESSED PROFILES

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

Part No. **PRIN-U**

0.88"
1.04"

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**
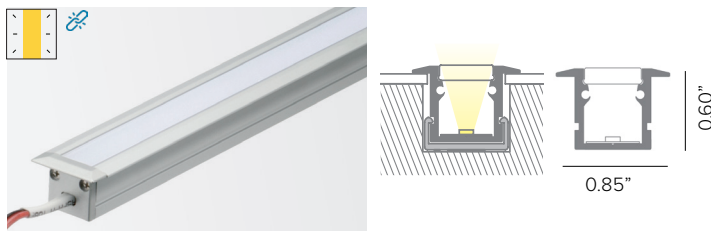
0.64"
0.80"

10 - MOUNTING CONT. (REQUIRED)

WEBSITE LINK
SPEC SHEET

UNIFORM *DIRECT VIEW*
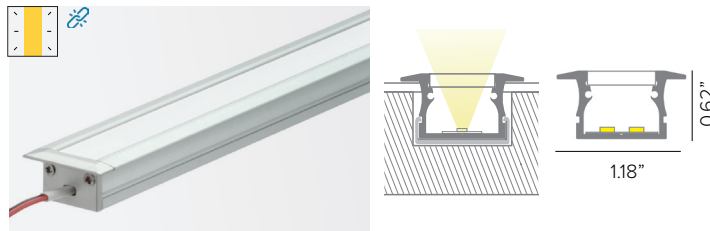
BLENDED DIRECT/INDIRECT VIEW

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.***

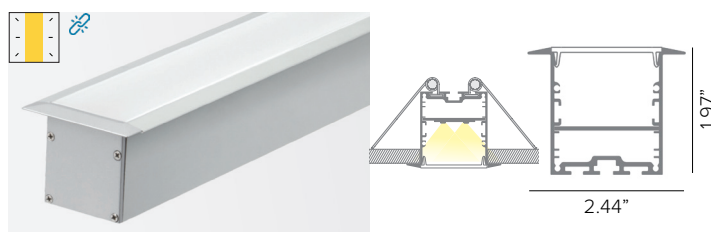| Part No.	**P03H-S-PF-300**

0.60"
0.85"

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**

0.62"
1.18"

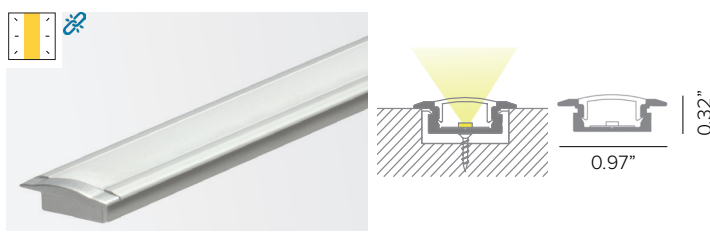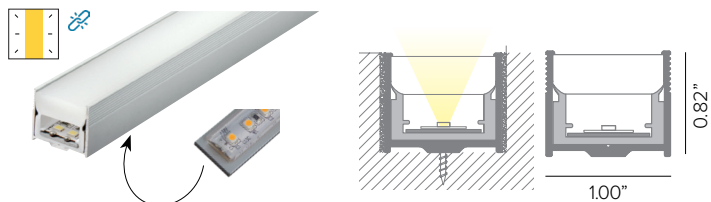Aluminum profile with opal polycarbonate lens for recessed installation. Dimension: 118"L (3M). ***Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.***

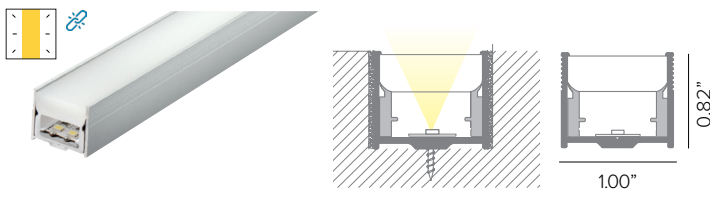| Part No.	**P08D-S-PF-300**

1.97"
2.44"

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**

0.32"
0.97"

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)
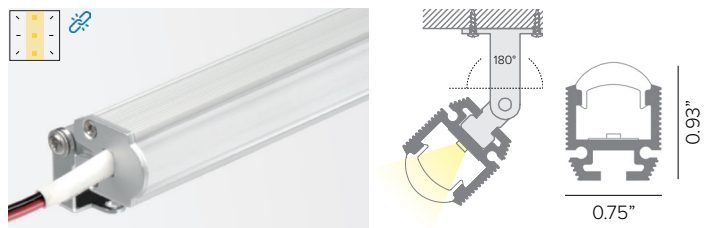
Part No.	**PRINTC-G**

0.82"
1.00"

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)
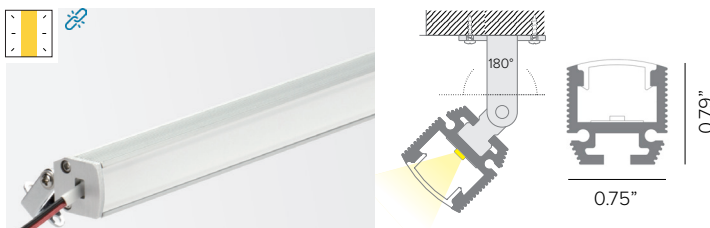
Part No.	**PRINTC-GUS**

0.82"
1.00"

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**

180°
0.93"
0.75"

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**

180°
0.79"
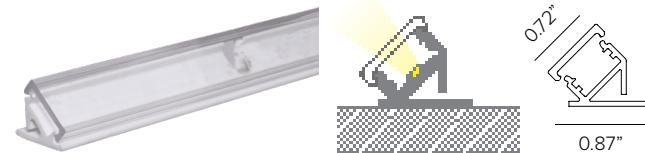0.75"

10 - MOUNTING CONT. **(REQUIRED)**

WEBSITE LINK *SPEC SHEET*

UNIFORM *DIRECT VIEW*

BLENDED DIRECT/INDIRECT VIEW
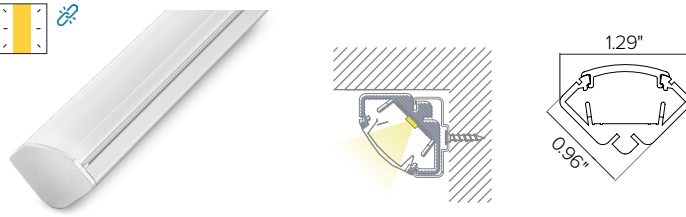
PIXEL INDIRECT VIEW

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
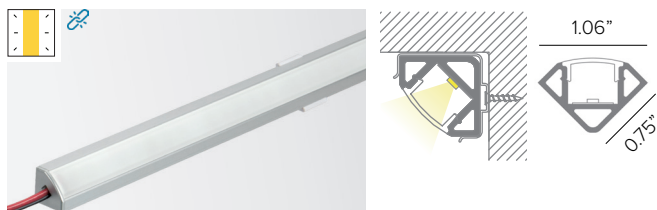
Base Part No.	DLW45MCH-4			
Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
Cover Part No.	DLW45CVR4-C	DLW45CVR4-F10	DLW45CVR4-F30	DLW45CVR4-F60

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

Part No.	**PRAN-U**

45º 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**
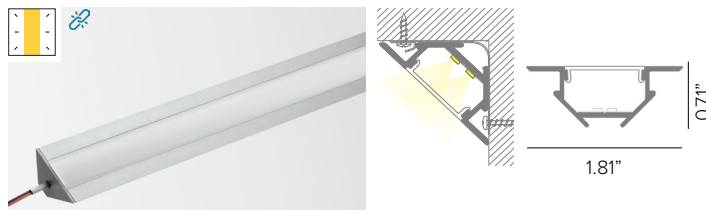
Aluminum profile with opal polycarbonate lens for surface in 90º angles. Dimension: 118"L (3M). ***Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.***

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**

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10 - MOUNTING CONT. **(REQUIRED)**

🔗 **WEBSITE LINK** *SPEC SHEET*

UNIFORM *DIRECT VIEW*

BLENDED DIRECT/INDIRECT VIEW

PIXEL INDIRECT VIEW

TRIMLESS MUD-IN PROFILES

2.30"

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**

0.60"

2.52"

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

Part No. **PRINCG**

SUSPENDED PROFILES

1.97"

2.36"

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.*
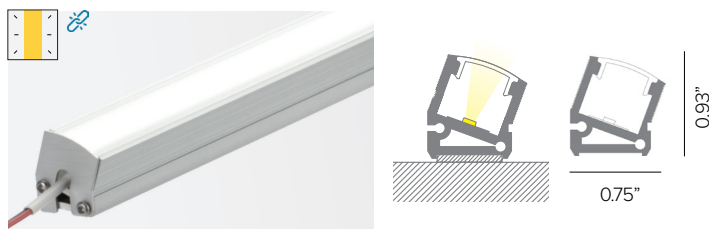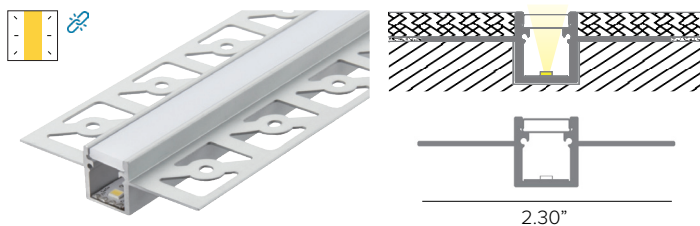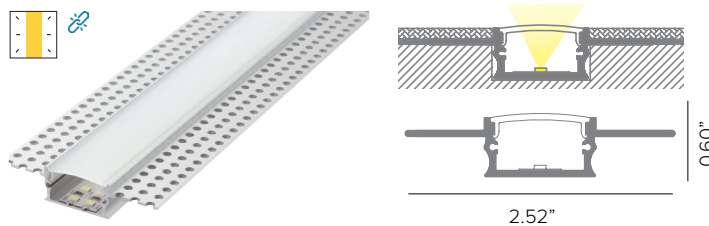
Part No. **P07A-S-PF-300**
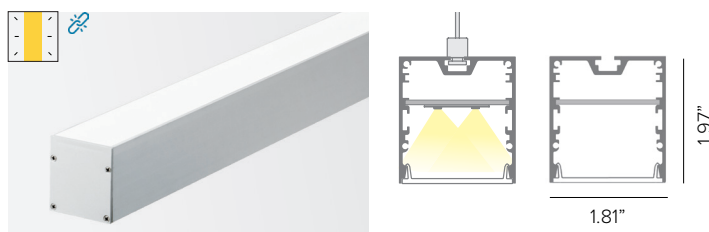
1.97"

1.81"

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

1.10"

3.47"

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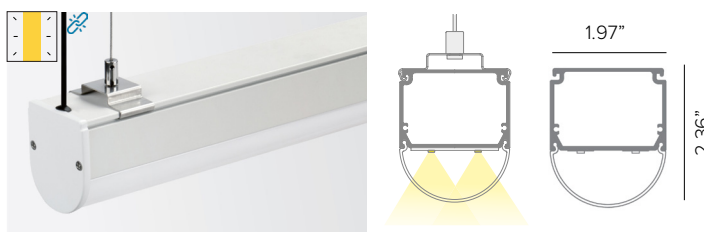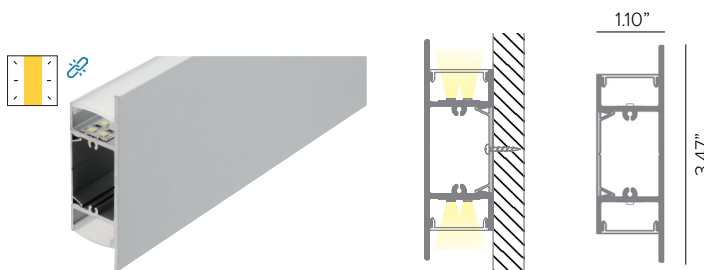
Part No. **P06A-S-PF-300**

11 - 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
7.3W	3FT	7FT	11FT	11FT	(2) 11FT	(2) 11FT	(3) 11FT	(3) 11FT

DURATAPE HIGH DENSITY IP20

PHOTOMETRY
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

2200K		H(m)	D(m)	Emax(lx)
Ra90			117°	
Fixture Power	24W	1	3.25	395
Source Flux	1250lm	2	6.50	99
Fixture Flux	1250lm	3	9.74	44
Efficacy	52lm/W	4	12.99	25
Imax	395cd	5	16.24	16

934323 Imax=316cd/klm

2700K		H(m)	D(m)	Emax(lx)
Ra90			117°	
Fixture Power	24W	1	3.25	436
Source Flux	1380lm	2	6.50	109
Fixture Flux	1380lm	3	9.74	48
Efficacy	57lm/W	4	12.99	27
Imax	436cd	5	16.24	17

934316 Imax=316cd/klm

3000K		H(m)	D(m)	Emax(lx)
Ra90			117°	
Fixture Power	24W	1	3.25	612
Source Flux	1940lm	2	6.50	153
Fixture Flux	1940lm	3	9.74	68
Efficacy	81lm/W	4	12.99	38
Imax	612cd	5	16.24	24

934309 Imax=316cd/klm

3500K		H(m)	D(m)	Emax(lx)
Ra90			117°	
Fixture Power	24W	1	3.25	458
Source Flux	1450lm	2	6.50	114
Fixture Flux	1450lm	3	9.74	51
Efficacy	60lm/W	4	12.99	29
Imax	458cd	5	16.24	18

934330 Imax=316cd/klm

4000K		H(m)	D(m)	Emax(lx)
Ra90			117°	
Fixture Power	24W	1	3.25	644
Source Flux	2040lm	2	6.50	161
Fixture Flux	2040lm	3	9.74	72
Efficacy	85lm/W	4	12.99	40
Imax	644cd	5	16.24	26

934293 Imax=316cd/klm