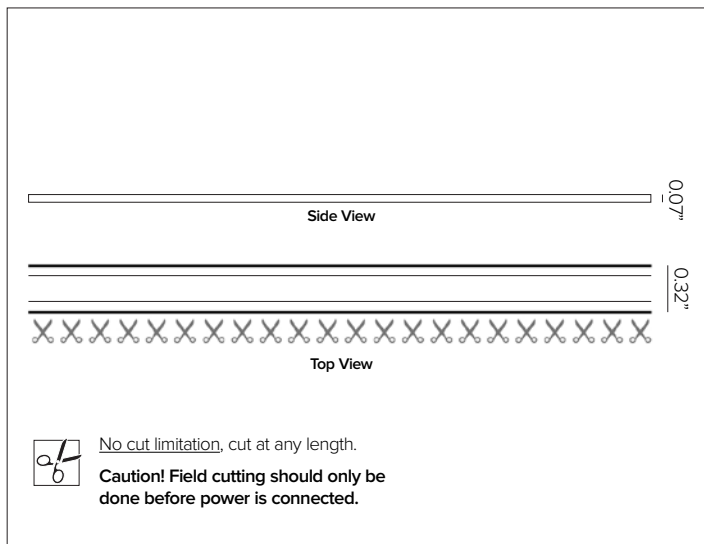


DURATAPE COB IP20

High Efficiency Continuous Illumination Strip Light



CONCEPT

DURATAPE COB delivers a seamless, continuous 'dot-free' line of light ideal for shallow profiles, maintaining uniform illumination with an off-state white appearance and no visible yellow phosphor for a clean, refined architectural aesthetic.

MECHANICAL CHARACTERISTICS

Materials	COB 'flip-chip' technology with 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 use with shallow profiles while maintaining a continuous light source without pixelation.
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 24 hour limited warranty (interior installations only)

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	4.6W/ft
Voltage	24V DC
Trigger Time	< 0.2s
Number of cycles	100,000
Operating Temp.	-25°C / +35°C
Max Continuous Length	Field trimmable at any length. 16ft max

SOURCE

TM30	CCT (Nominal)		CRI
	2700K	3000K	
	3500K	4000K	90

Strip & LED Details	Model	Delivered Lumens*		Viewing Angle
		2700K	4000K	
4.6W/ft		457Lm/ft	488Lm/ft	113° x 150°

* Meets Title 24 High efficacy rating.

Efficacy	135Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70/B50 >50,000hrs at max TA +45°C

DURATAPE COB IP20

SPECIFICATION INFORMATION



Ex: DLC0B46H024 / 07U11CBL1 / PRAP-U / DMLE601242UD

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL — DURATAPE™	COB — COB	46 — 4.6W/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 COB IP20

7 - END PREP CONNECTION (REQUIRED)



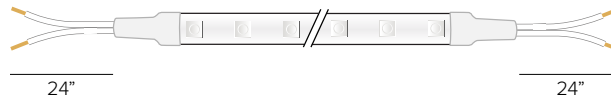
DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

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**

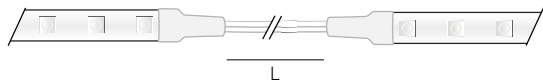
7 - END PREP CONNECTION (OPTIONAL)



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

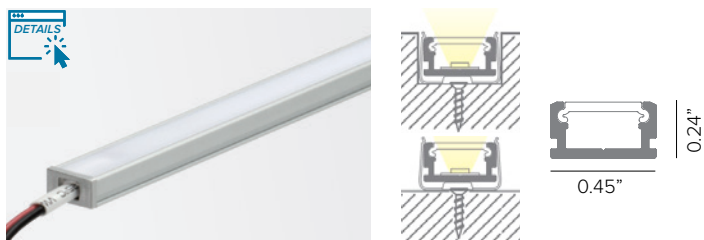
DURATAPE COB IP20

9 - MOUNTING (REQUIRED)



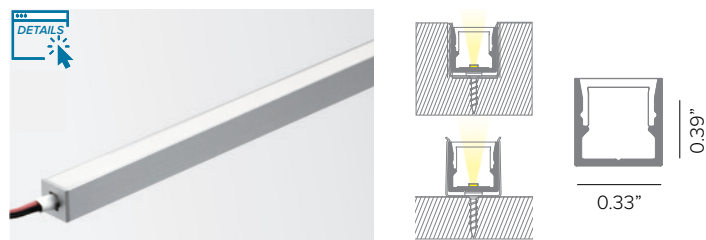
Profile Spec Sheet
Detailed Information

SURFACE PROFILES



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

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



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

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



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

Finish Natural Aluminum White Black Corten Bronze

Profile Part No. **DLE7AL2** **DLE7WT2** **DLE7BK2** **DLE7BZ2**

Diffusion Opal Diffused Semi-Opal Clear Transparent Lenticular 40°

Lens Part No. **DLE7O2** **DLE7S2** **DLE7T2** **DLE7L402**



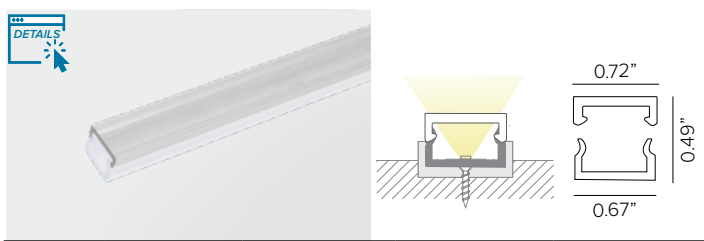
Aluminum rigid profile for surface installation and polycarbonate lens, 1pc ea.
Dimensions: 79"L (2M).

Finish Natural Aluminum White Black Corten Bronze

Profile Part No. **DLE15AL2** **DLE15WH2** **DLE15BK2** **DLE15CO2**

Diffusion Opal Diffused Semi-Opal Clear Transparent Lenticular 40°

Lens Part No. **DLE15O2** **DLE15S2** **DLE15T2** **DLE15L402**



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**

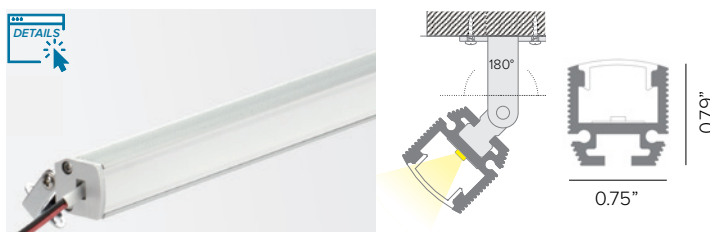
DURATAPE COB IP20

9 - MOUNTING CONT. (REQUIRED)



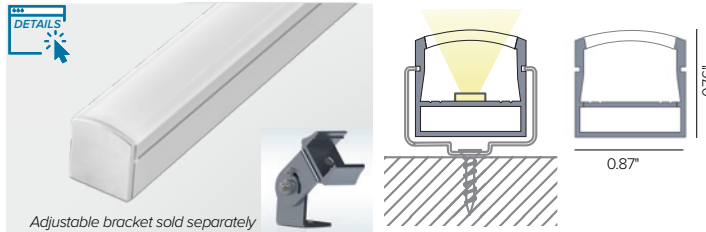
Profile Spec Sheet
Detailed Information

ADJUSTABLE PROFILES CONT.



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.**

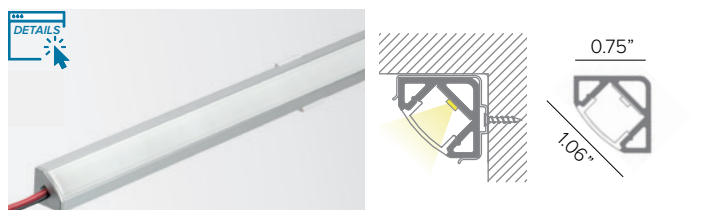
Part No. **P02C-S-PF-300**



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

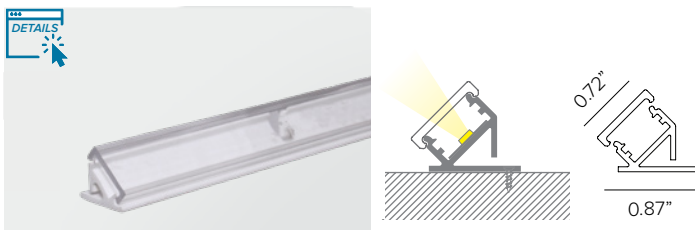
Lens	Opal Diffused	Asymmetric	Graze	Flood
Part No.	PRAP-U	PRAP-UASYM	PRAP-U30	PRAP-U60

ANGLED PROFILES



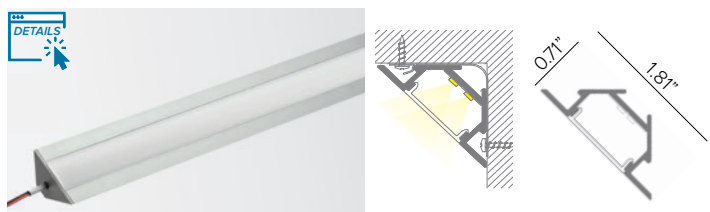
45° aluminum profile with frosted polycarbonate lens for surface corner applications.
Dimensions: 79"L (2M).

Part No. **P03F-S-PF-200**



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

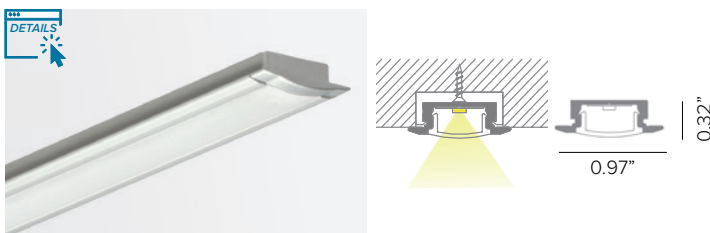
Base Part No.	DLW45MCH-4			
Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
Cover Part No.	DLW45CVR4-C	DLW45CVR4-F10	DLW45CVR4-F30	DLW45CVR4-F60



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.**

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

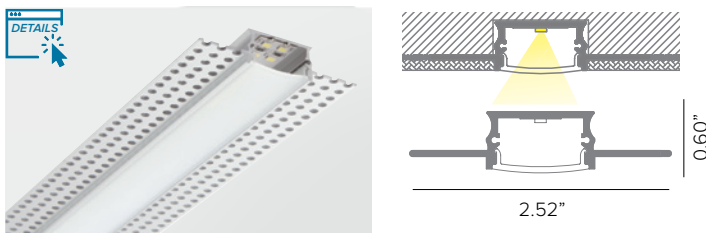
RECESSED PROFILES



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: 79"L (2M)

Part No. **PRINCG**

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10 - 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
4.6W	6FT	12FT	18FT	19FT	(2) 18FT	(2) 19FT	(3) 18FT	(3) 19FT

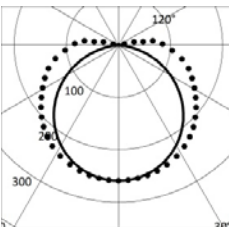
DURATAPE COB IP20

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS



	2700K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		113°	150°			
Fixture Power	15W	1	3.01	7.50	398		
Source Flux	1500lm	2	6.01	14.99	99		
Fixture Flux	1500lm	3	9.02	22.49	44		
Efficacy	100lm/W	4	12.03	29.99	25		
352882	I _{max} =265cd/klm	I _{max}	398cd	5	15.04	37.49	16



	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		113°	153°			
Fixture Power	15W	1	3.05	8.31	414		
Source Flux	1600lm	2	6.09	16.62	104		
Fixture Flux	1600lm	3	9.14	24.93	46		
Efficacy	107lm/W	4	12.18	33.24	26		
352905	I _{max} =259cd/klm	I _{max}	414cd	5	15.23	41.56	17