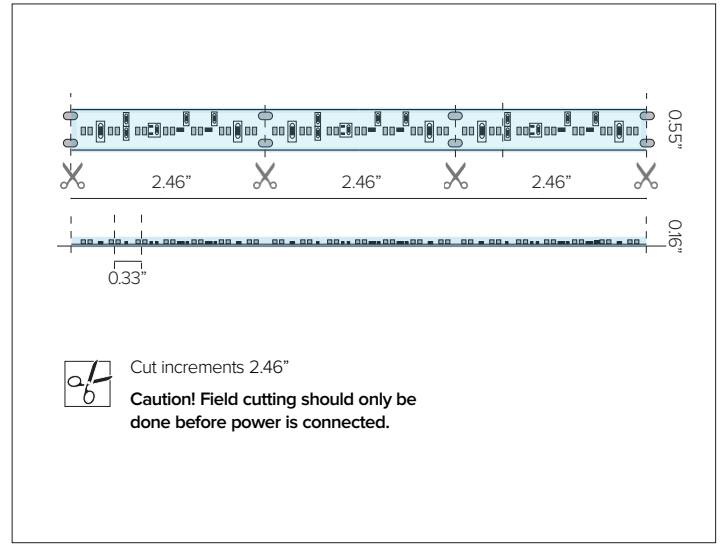
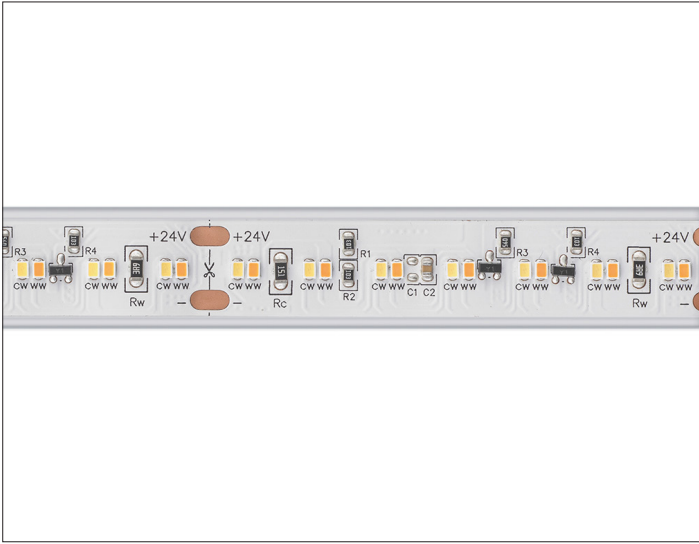


DURATAPE DIM-TO-WARM IP65

Preset Dimming Curve Simulating Incandescent



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 all while dimming continuously to dark (Dim-to-Off), simulating the dimming curve of an incandescent lamp.

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 follows a preset dimming curve with the coolest kelvin temperature LED at highest intensity to the warmest kelvin temperature LED at lowest intensity. Preset dimming curve is continuous from 100% high intensity to 0% off "dark", with zero LED light leakage.
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	Strip jacket rated at IP65.

CERTIFICATIONS

cULus Class 2 Listed
Tested in accordance with LM-79-08
Energy efficient for California installations.
RoHS compliant

WARRANTY

5 year limited 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. For true Dim-to-Dark operation, supplied 0-10V dimming system must dim to true 0 volts.
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". 16' max.

SOURCE

LEDs	72 LEDs per foot. Arranged as pairs of bi-color sets						
Spacing	0.33" O.C. Paired LED Spacing						
TM30	CCT (Nominal)	CRI	Rf	Rg	R9	DUV	SDCM
	T1: 	98	95	102	97	0.0012	3
	3000K – 1800K						
	T2: 	98	95	102	96	0.0010	3
6000K – 2700K							
Strip & LED Details	Model	W/LED	Delivered Lumens*			Viewing Angle	
			3000K				
	2.9W/ft	0.04W	274Lm/ft			117°	
	* Meets Title 24 High efficacy rating.						
Efficacy	95Lm/W max. Refer to photometric graphs for specific values.						
Lifetime	L70/B20 ≥50,000hrs at max TA +25°C						

DURATAPE DIM-TO-WARM IP65

SPECIFICATION INFORMATION

DL	DW									
1	2	3	4	5	6	7	8	9	10	11
							REQUIRED	OPTIONAL	REQUIRED	

Ex: DLDW290T124 / 07UX1CBL1 / PRAP-U / DMLE601242UD

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - CRI	7 - VOLTAGE
DL — DURATAPE™	DW — DIM-TO-WARM	29 — 2.9W/ft	O — IP67	T1 — 1800K — 3000K T2 — 2700K — 6000K	HC — High CRI	24 — 24V DC
8 - END PREP CONNECTION	9 - INTERCONNECTION	10 - MOUNTING	11 - 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 IP65

8 - 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. **07UX1CBL1**

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

Length Per foot

Part No. **07UX1ADDCBL1**



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. **07UX1CBL2**

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

Length Per foot

Part No. **07UX1ADDCBL1**

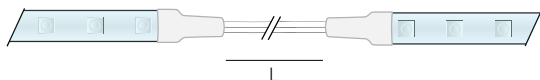
8 - END PREP CONNECTION (OPTIONAL)



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. **07UX1ADDCON**

9 - 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.	07UX1FOLDCBL-01	07UX1FOLDCBL-02	07UX1FOLDCBL-03	07UX1FOLDCBL-04	07UX1FOLDCBL-06

DURATAPE DIM-TO-WARM IP65

10 - MOUNTING (REQUIRED)



Profile Spec Sheet
Detailed Information



Uniform
Continuous
Direct View
60%



Blend Opacity
30%

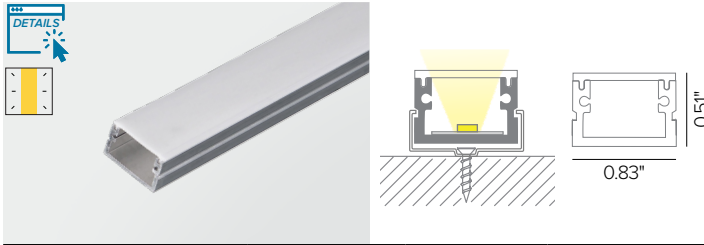


Softening
Opacity
10%



Clear

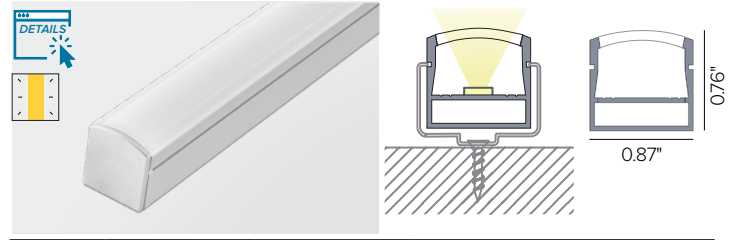
SURFACE PROFILES



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

Lens Opal Diffused

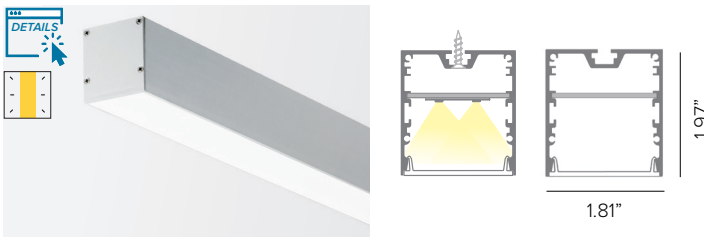
Part No. **PRAP68-2MK**



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

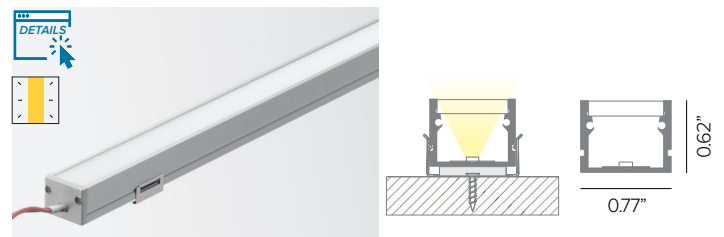
Lens Opal Diffused Asymmetric Graze Flood

Part No. **PRAP-U** **PRAP-UASYM** **PRAP-U30** **PRAP-U60**



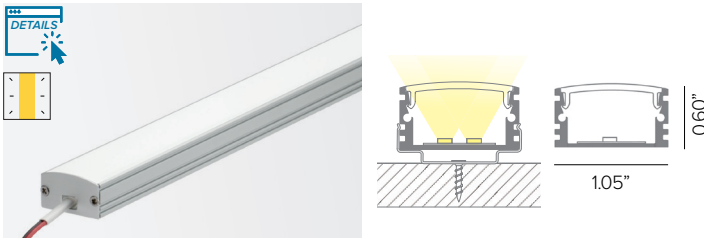
Aluminum profile with frosted polycarbonate lens for suspension installation.
Dimension: 79" L (2M).

Part No. **P01L-S-PF-200**



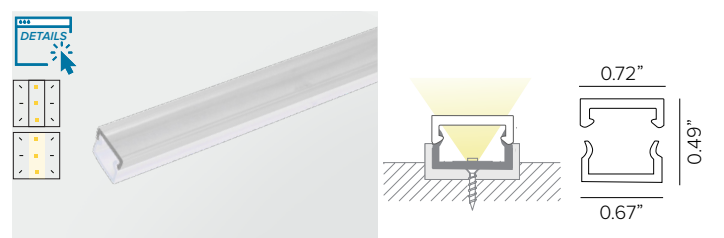
Aluminum profile with thick opal polycarbonate lens with uniform light distribution for surface installation. Dimensions: 79"L (2M).

Part No. **P03B-S-PF-200**



Aluminum profile with 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.**

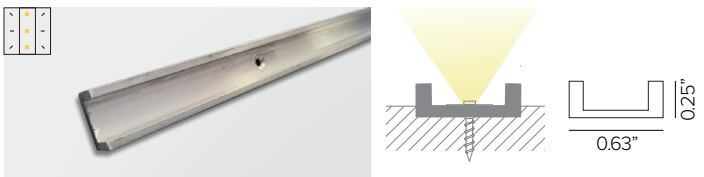
Part No. **P04B-S-PF-300**



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. **DLALUMU8**

DURATAPE DIM-TO-WARM IP65

10 - MOUNTING CONT. (REQUIRED)



Profile Spec Sheet
Detailed Information



Uniform
Continuous
Direct View
60%



Blend Opacity
30%

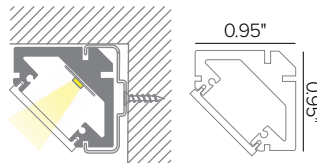
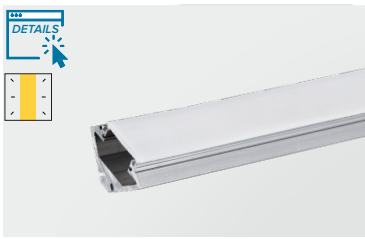


Softening
Opacity
10%



Clear

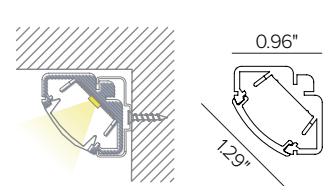
ANGLED PROFILES



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

Lens Opal Diffused

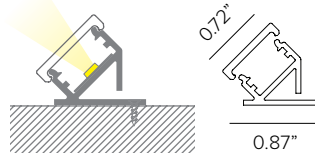
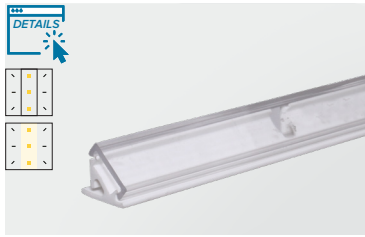
Part No. **PRAN68-2MK**



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

Lens Opal Diffused Asymmetric Graze Flood

Part No. **PRAN-U PRAN-UASYM PRAN-U30 PRAN-U60**

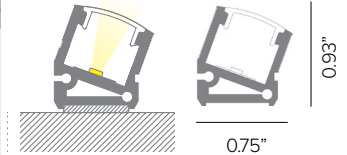


Two-piece 45° PVC mounting tube; white opaque base with cover (clear or frosted).
Countersink screw holes, 12" O.C. Dimension: 48"L

Base
Part No. **DLW45MCH-4**

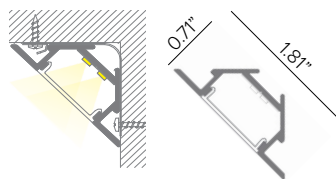
Cover
Diffusion Clear Frosted 10% Frosted 30% Frosted 60%

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



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.**

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



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**

DURATAPE DIM-TO-WARM IP65

10 - MOUNTING CONT. (REQUIRED)



Profile Spec Sheet
Detailed Information



Uniform
Continuous
Direct View
60%



Blend Opacity
30%

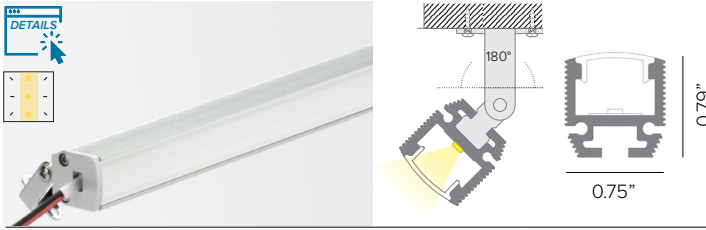


Softening
Opacity
10%



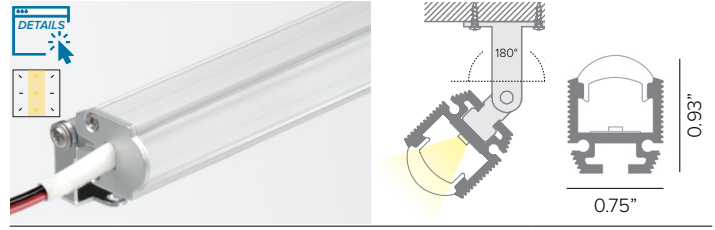
Clear

ADJUSTABLE PROFILES



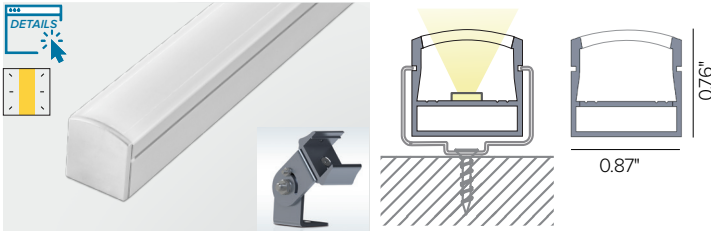
Surface mount adjustable aluminum profile with frosted polycarbonate lens.
Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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



Surface mount adjustable aluminum profile with opal polycarbonate 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.

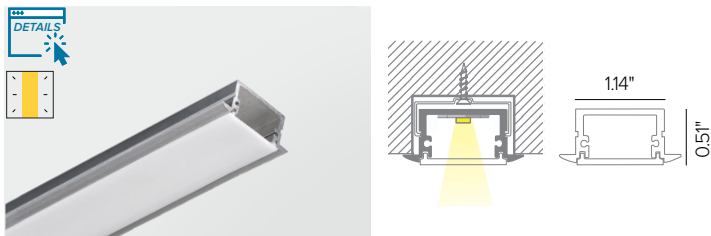
Part No. **P03C-S-PF-300**



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

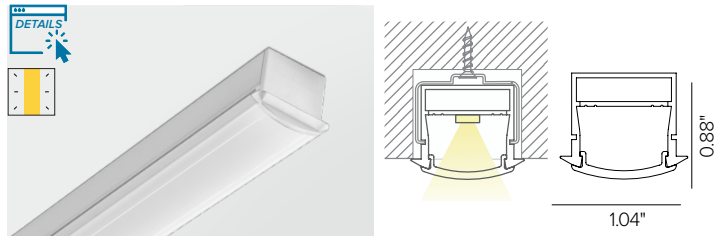
Lens	Opal Diffused	Asymmetric	Graze	Flood
Part No.	PRAP-U	PRAP-UASYM	PRAP-U30	PRAP-U60

RECESSED PROFILES



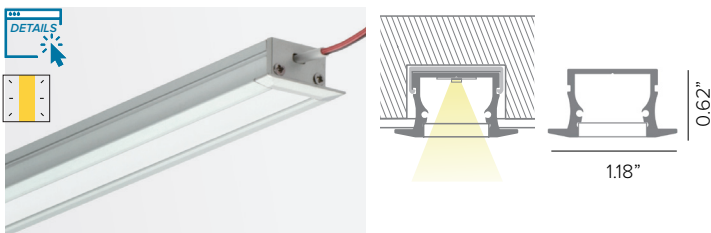
Flush mount anodized aluminum rigid profile complete with lens.
Dimension: 79"L (2M)

Lens	Opal Diffused
Part No.	PRIN68-2MK



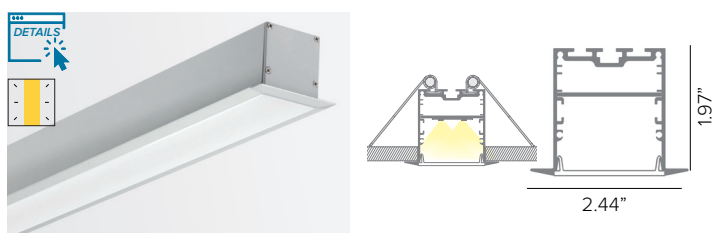
Universal flush mount anodized aluminum rigid profile complete with lens.
Dimension: 79"L (2M)

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



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: 79"L (2M).

Part No. **P08D-S-PF-200**

DURATAPE DIM-TO-WARM IP65

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	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.
DMLE601242UD	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.
DELX601241CPWM	60W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DELX901241CPWM	90W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
DMLE961242UD	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.
DELV96124D	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.
DELX1802242CPWM	2X90W	0-10V	1%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
DMLE1922242UD	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.
DELX2703243CPWM	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	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
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.

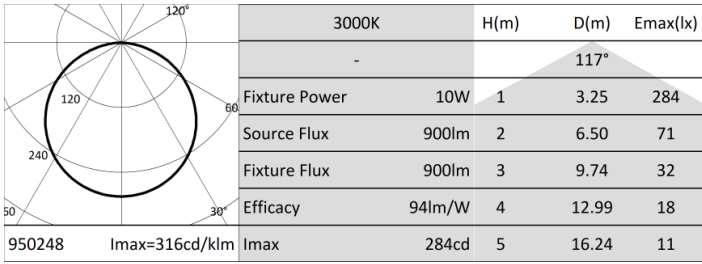
MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

Fixture Wattage	Driver Wattage								
	30W	40W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
	2.9W	8FT	11FT	16FT	24FT	26FT	(2) 24FT	(2) 26FT	(3) 24FT

DURATAPE DIM-TO-WARM IP65

PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS



DIMMING CURVE

