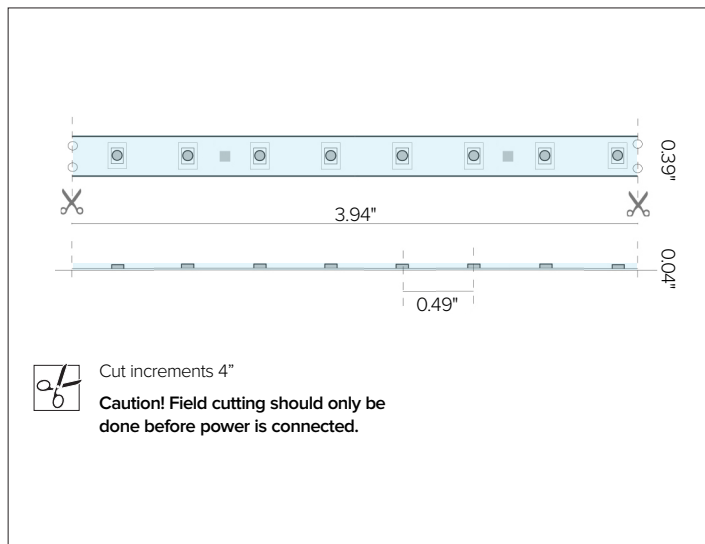


# DURATAPE HIGH EFFICIENCY IP67

## High Efficiency Outdoor Strip Light



### CONCEPT

High efficiency essential white strip light with narrow LED spacing for continuous consistent color applications.

### MECHANICAL CHARACTERISTICS

<b>Materials</b>	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.
<b>Functionality</b>	Ideal for high intensity linear applications such as cove, under-counter/cabinet, mill work, and detailed lighting accents.
<b>Installation</b>	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. Suitable for MRI installations. Driver to be mounted outside of MRI room and to be use with PVC or aluminum profiles only. To be installed with adhesive or MRI safe hardware only, no factory provided mounting hardware to be used.
<b>Protection</b>	Strip jacket rated at IP67.

### 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

<b>Power Connection</b>	Factory attached end prep, see available options. Remote Class 2 120V-277V AC power supply required, see available options.
<b>Wattage</b>	2.2W/ft / 3.5W/ft
<b>Voltage</b>	24V DC
<b>Trigger Time</b>	< 0.2s
<b>Number of cycles</b>	100,000
<b>Operating Temp.</b>	-25°C / +35°C
<b>Max Continuous Length</b>	Field trimmable every 3.94". 39ft / 2.2W/ft 24ft / 3.5W/ft

### SOURCE

<b>LEDs</b>	24 LEDs/ft (2.2W/ft) / 49 LEDs/ft (3.5W/ft)						
<b>Spacing</b>	0.50" O.C. (2.2W/ft) / 0.25" O.C. (3.5W/ft)						
<b>TM30</b>	<b>CCT (Nominal)</b>	<b>CRI</b>	<b>Rf</b>	<b>Rg</b>	<b>R9</b>	<b>DUV</b>	<b>SDCM</b>
	3000K	93	91	98	55	0.0012	2
	4000K	94	91	99	71	0.0010	2
<b>Strip &amp; LED Details</b>	<b>Model</b>	<b>W/LED</b>	<b>Delivered Lumens*</b>		<b>Viewing Angle</b>		
			3000K	4000K			
	2.2W/ft	0.06W	373Lm/ft	386Lm/ft	117° x 122°		
3.5W/ft	0.06W	543Lm/ft	577 Lm/ft	117° x 122°			
* Meets Title 24 High efficacy rating.							
<b>Efficacy</b>	176Lm/W max. Refer to photometric graphs for specific values.						
<b>Lifetime</b>	L70/B10 ≥50,000hrs at max TA +45°C						

# DURATAPE HIGH EFFICIENCY IP67



Ex: DLHE2203024 / 07UJICBL1 / 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	O — IP67	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	24 — 24V DC
7 - END PREP CONNECTION	8 - INTERCONNECTION	9 - MOUNTING	10 - DRIVER		
<b>REQUIRED</b> See section for details	<b>OPTIONAL</b> See section for details	<b>REQUIRED</b> See section for details	<b>REQUIRED</b> See section for details		

## INSTALLATION EXAMPLES



# DURATAPE HIGH EFFICIENCY IP67

## 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. **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**

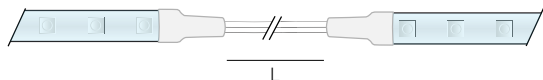
## 7 - END PREP CONNECTION (OPTIONAL)



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. **07UX1ADDCON**

## 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.	<b>07UX1FOLDCBL-01</b>	<b>07UX1FOLDCBL-02</b>	<b>07UX1FOLDCBL-03</b>	<b>07UX1FOLDCBL-04</b>	<b>07UX1FOLDCBL-06</b>

# DURATAPE HIGH EFFICIENCY IP67

## 9 - MOUNTING (REQUIRED)

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

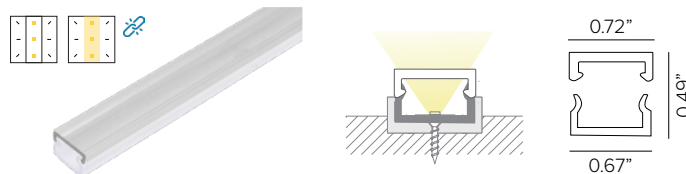


### CLIPS AND SURFACE PROFILES



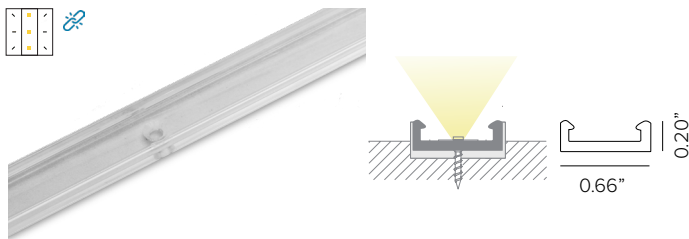
DURATAPE plastic mounting clip, package of 10ea. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).

Part No. **DLCLP66**



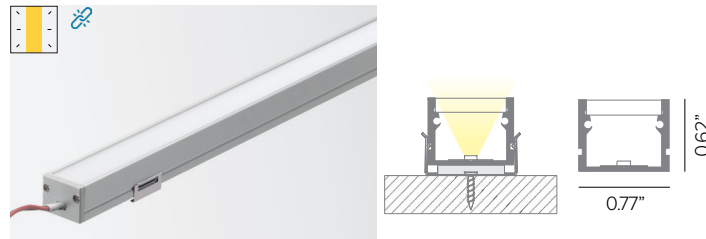
Two-piece PVC mounting tube, white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L.

Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
Part No.	<b>DLW2PCC</b>	<b>DLW2PCF10</b>	<b>DLW2PCF30</b>	<b>DLW2PCF60</b>



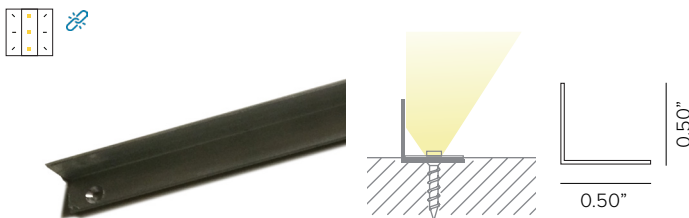
Clear PVC "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

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



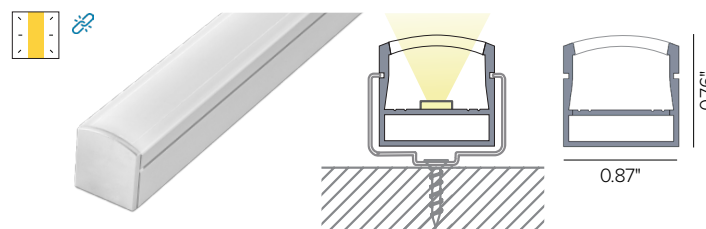
Aluminum profile with polycarbonate lens with uniform light distribution for surface or recessed with suitable clips. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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



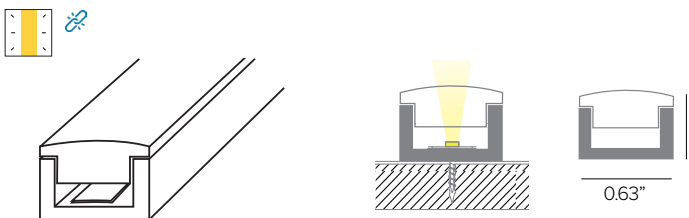
Aluminum L-Profile 1/2" x 1/2" for linear run lengths. Duratape can be mounted at either 0° or 90° mounting positions. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DLALUM18**



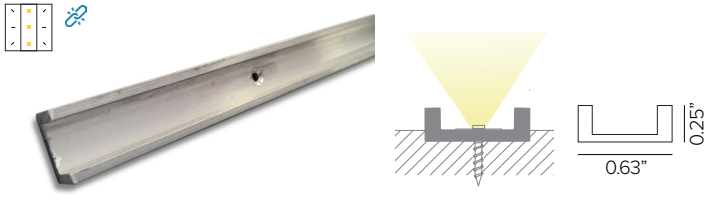
Surface mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRAP-U**



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**



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

Part No. **DLALUM8**

# DURATAPE HIGH EFFICIENCY IP67

## 9 - MOUNTING CONT. (REQUIRED)

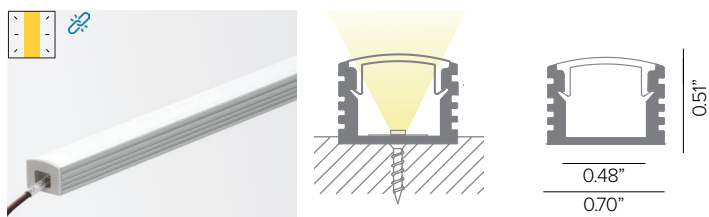
[WEBSITE LINK](#)  
[SPEC SHEET](#)

 **UNIFORM**  
DIRECT VIEW

 **BLENDED**  
DIRECT/INDIRECT VIEW

 **PIXEL**  
INDIRECT VIEW

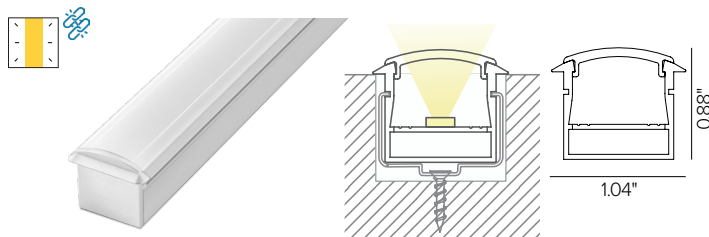
### SURFACE PROFILES CONT.



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

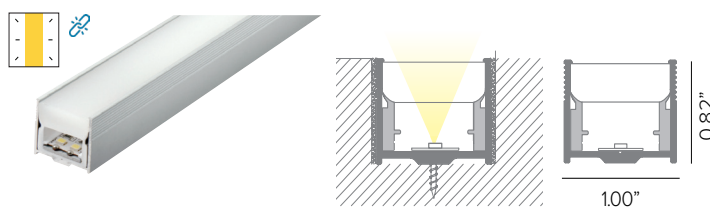
Part No. **P02B-S-PF-300**

### RECESSED PROFILES



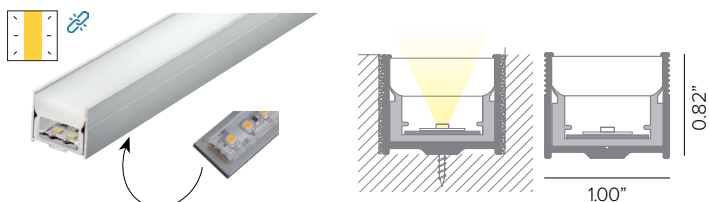
Recessed flush mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRIN-U**



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)

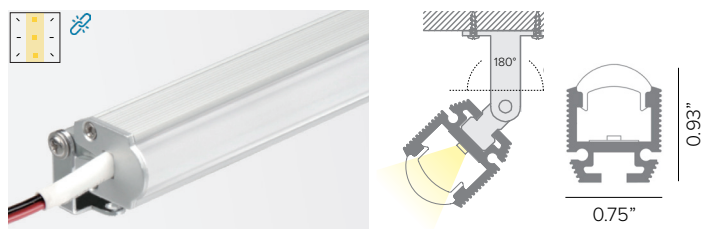
Part No. **PRINTC-GUS**



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)

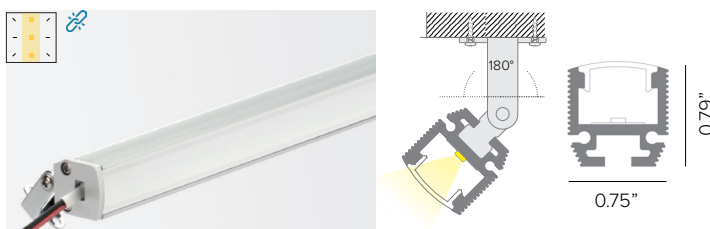
Part No. **PRINTC-G**

### 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 HIGH EFFICIENCY IP67

## 9 - MOUNTING CONT. (REQUIRED)

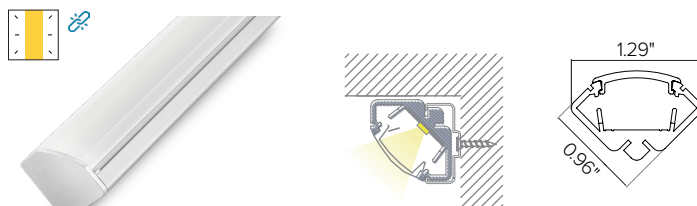
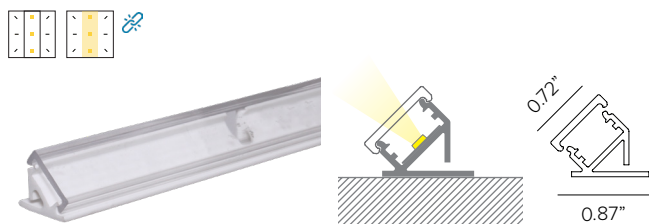
[WEBSITE LINK](#)  
[SPEC SHEET](#)

 **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

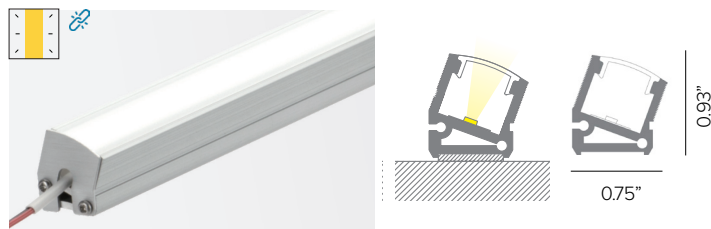
45° anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Base  
Part No. **DLW45MCH-4**

Part No. **PRAN-U**

Cover Diffusion	Clear	Frosted 10%	Frosted 30%	Frosted 60%
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Cover Part No.	<b>DLW45CVR4-C</b>	<b>DLW45CVR4-F10</b>	<b>DLW45CVR4-F30</b>	<b>DLW45CVR4-F60</b>
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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 IP67

## 10 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
<b>DMLE301242UD</b>	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.
<b>DMLV40124D</b>	40W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
<b>DMLE601242UD</b>	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.
<b>DELX601241CPWM</b>	60W	0-10V	<10%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
<b>DMLV60124D</b>	60W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
<b>DELX901241CPWM</b>	90W	0-10V	<10%	NEMA3R	120-277V / 24V	UL Class 2	10" x 10" x 4"	MEANWELL electronic PWM driver.
<b>DMLE961242UD</b>	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.
<b>DMLV96124D</b>	96W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.13" x 3.93" x 1.59"	Magnetic low voltage transformer.
<b>DELX1802242CPWM</b>	2X90W	0-10V	<10%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
<b>DMLE1922242UD</b>	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.
<b>DMLV192224D</b>	2X96W	MLV DIMMING	<1%	NEMA3R	120V / 24V	UL Class 2	8.00" x 4.15" x 3.41"	Magnetic low voltage transformer.
<b>DELX2703243CPWM</b>	3X90W	0-10V	<10%	NEMA3R	120-277V / 24V	UL Class 2	12" x 12" x 4"	MEANWELL electronic PWM driver.
<b>DMLE2882242UD</b>	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
<b>DEL60PWM</b>	60W	0-10V	<10%	IP67	120-277V / 24V	UL Class 2	5.9" X 2.09" X 1.38"	MEANWELL electronic PWM driver. <b>UL listed enclosure provided by others.</b>
<b>DEL90PWM</b>	90W	0-10V	<10%	IP67	120-277V / 24V	UL Class 2	6.73" X 2.48" X 1.48"	MEANWELL electronic PWM driver. <b>UL listed enclosure provided by others.</b>

### MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

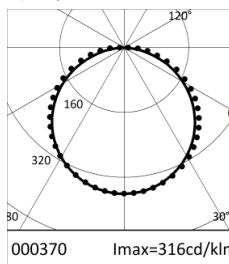
Fixture Wattage	Driver Wattage								
	30W	40W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W
2.2W	10FT	14FT	21FT	32FT	35FT	(2) 32FT	(2) 35FT	(3) 32FT	(3) 35FT
3.5W	6FT	9FT	13FT	20FT	22FT	(2) 20FT	(2) 22FT	(3) 20FT	(3) 22FT

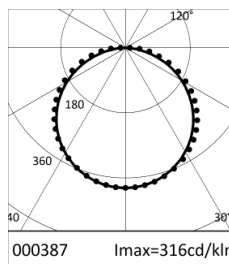
# DURATAPE HIGH EFFICIENCY IP67

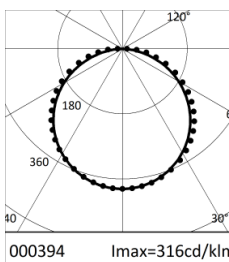
## PHOTOMETRY

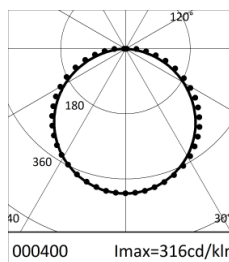
IES FILES SHOWN AT 1M (3.28FT) LENGTHS

### 2.2W/FT

		2700K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	360	
	Source Flux	1140lm	2	6.50	7.24	90	
	Fixture Flux	1140lm	3	9.74	10.86	40	
	Efficacy	158lm/W	4	12.99	14.48	22	
	000370	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	360cd	5	16.24	18.09

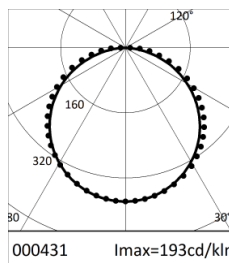
		3000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	387	
	Source Flux	1225lm	2	6.50	7.24	97	
	Fixture Flux	1225lm	3	9.74	10.86	43	
	Efficacy	170lm/W	4	12.99	14.48	24	
	000387	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	387cd	5	16.24	18.09

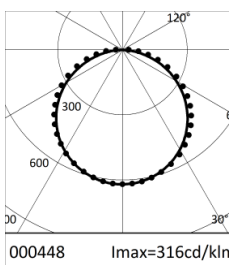
		3500K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	387	
	Source Flux	1225lm	2	6.50	7.24	97	
	Fixture Flux	1225lm	3	9.74	10.86	43	
	Efficacy	170lm/W	4	12.99	14.48	24	
	000394	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	387cd	5	16.24	18.09

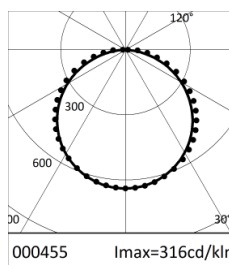
		4000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	7W	1	3.25	3.62	399	
	Source Flux	1265lm	2	6.50	7.24	100	
	Fixture Flux	1265lm	3	9.74	10.86	44	
	Efficacy	176lm/W	4	12.99	14.48	25	
	000400	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	399cd	5	16.24	18.09

### 3.5W/FT

		2700K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	575	
	Source Flux	1820lm	2	6.50	7.24	144	
	Fixture Flux	1820lm	3	9.74	10.86	64	
	Efficacy	158lm/W	4	12.99	14.48	36	
	000424	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	575cd	5	16.24	18.09

		3000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	377	
	Source Flux	1955lm	2	6.50	7.24	94	
	Fixture Flux	1195lm	3	9.74	10.86	42	
	Efficacy	104lm/W	4	12.99	14.48	24	
	000431	I <sub>max</sub> =193cd/klm	I <sub>max</sub>	377cd	5	16.24	18.09

		3500K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	619	
	Source Flux	1960lm	2	6.50	7.24	155	
	Fixture Flux	1960lm	3	9.74	10.86	69	
	Efficacy	170lm/W	4	12.99	14.48	39	
	000448	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	619cd	5	16.24	18.09

		4000K	H(m)	D1(m)	D2(m)	Emax(lx)	
		-	117°	122°			
	Fixture Power	12W	1	3.25	3.62	638	
	Source Flux	2020lm	2	6.50	7.24	159	
	Fixture Flux	2020lm	3	9.74	10.86	71	
	Efficacy	176lm/W	4	12.99	14.48	40	
	000455	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	638cd	5	16.24	18.09