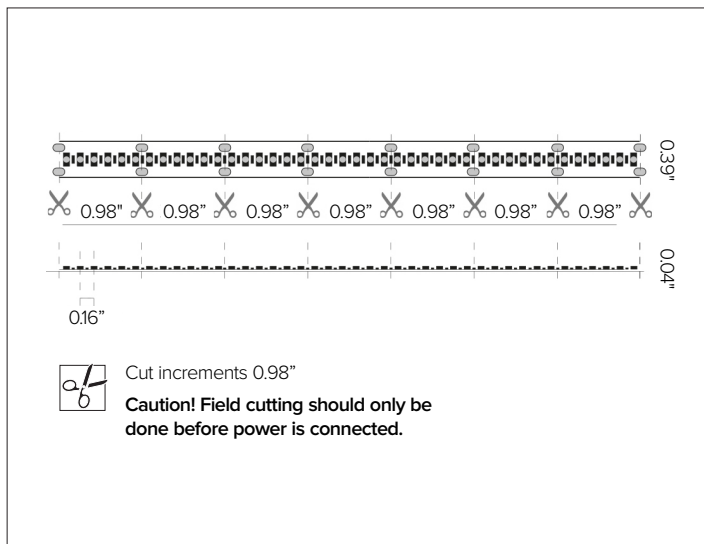


# DURATAPE ABSOLUTE WHITE IP20

## Consistent High Color Fidelity Low Voltage Strip Light



### CONCEPT

Ideal for environments where consistent high color fidelity is required. Where perception of color is of the utmost importance, such as art galleries, museums, fabric and finish shops. DURATAPE ABSOLUTE WHITE enhances the environment colors and finishes, returning vividness of objects in all color temperatures.

### 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 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.
<b>Protection</b>	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

<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>	4.3W/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 0.98" 18' max

### SOURCE

<b>LEDs</b>	73 LEDs per foot						
<b>Spacing</b>	0.16" O.C. LED Spacing						
<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>
	2700K	98	93	99	97	0.0009	1
	3000K	99	94	100	97	0.0012	1
	3500K	97	90	99	98	0.0016	1
4000K	96	90	98	98	0.0023	1	
<b>Strip &amp; LED Details</b>	<b>Model</b>	<b>W/LED</b>	<b>Delivered Lumens*</b>		<b>Viewing Angle</b>		
			3000K	4000K			
	4.3W/ft	0.06W	377Lm/ft	396Lm/ft	117° x 122°		
<b>Efficacy</b>	92Lm/W max. Refer to photometric graphs for specific values.						
<b>Lifetime</b>	L70/B20 ≥50,000hrs at max TA +25°C						

\* Meets Title 24 High efficacy rating.

# DURATAPE ABSOLUTE WHITE IP20

## SPECIFICATION INFORMATION

<b>DL</b>	<b>AW</b>								
1	2	3	4	5	6	7	8	9	10
						<b>REQUIRED</b>	<b>OPTIONAL</b>	<b>REQUIRED</b>	

Ex: DLAW43I3024 / 07UIICBL1 / PRAP-U / DMLV60124D

1 - PRODUCT CODE	2 - TYPE	3 - WATTAGE	4 - RATING	5 - KELVIN	6 - VOLTAGE
DL — DURATAPE™	AW — Absolute White	43 — 4.3W/ft	I — IP20	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 ABSOLUTE WHITE IP20

## 7 - END PREP CONNECTION (REQUIRED)



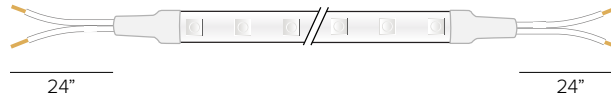
DURATAPE factory attached single lead wire end prep. Lead wire/dead end allows for connection to power at lead end and field trim of Duratape product at the other end. Translucent wire with positive/negative identification that easily blends into the mounting environments.

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**

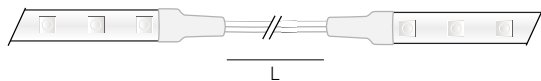
## 7 - END PREP CONNECTION (OPTIONAL)



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.	<b>07U1FOLD CBL-01</b>	<b>07U1FOLD CBL-02</b>	<b>07U1FOLD CBL-03</b>	<b>07U1FOLD CBL-04</b>	<b>07U1FOLD CBL-06</b>

# DURATAPE ABSOLUTE WHITE IP20

## 9 - MOUNTING (REQUIRED)

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

 **UNIFORM**  
DIRECT VIEW

 **BLENDED**  
DIRECT/INDIRECT VIEW

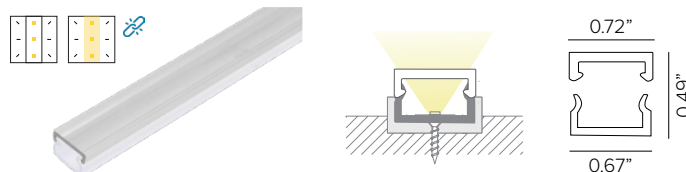
 **PIXEL**  
INDIRECT VIEW

### CLIPS AND SURFACE PROFILES



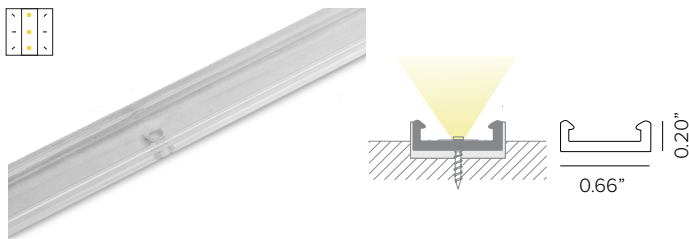
DURATAPE plastic mounting clip, package of 10ea. Recommended quantities per use: Straight flat run aiming upward 12" O.C. (1/ft); Curved aiming upward or wall mounted straight 6" O.C. (2/ft); Wall mounted curved or ceiling mounted 3" O.C. (4/ft).

Part No. **DLCLP20**



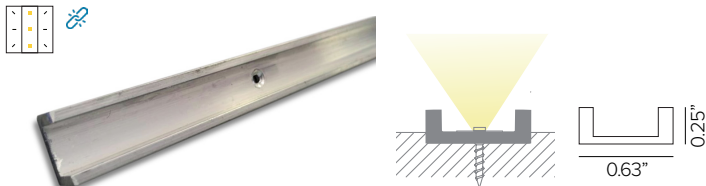
Two-piece PVC mounting tube, white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L.

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



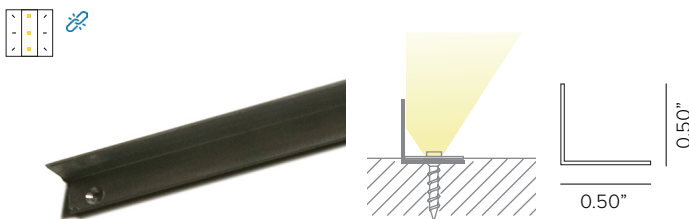
Clear PVC "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

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



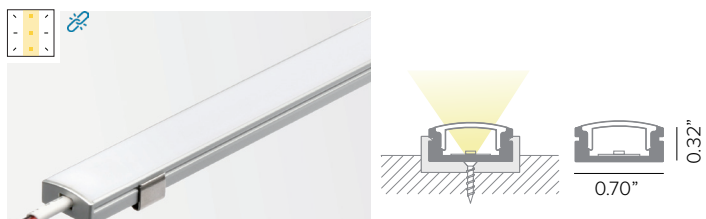
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DLALUM8**



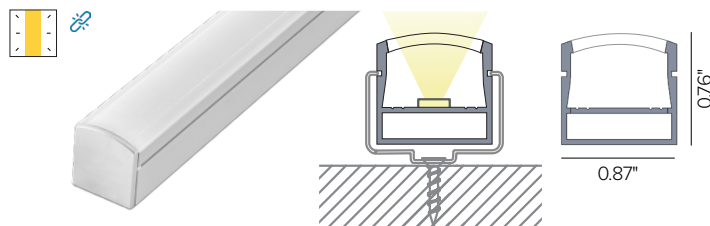
Aluminum L-Profile 1/2" x 1/2" for linear run lengths. Duratape can be mounted at either 0° or 90° mounting positions. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DLALUML8**



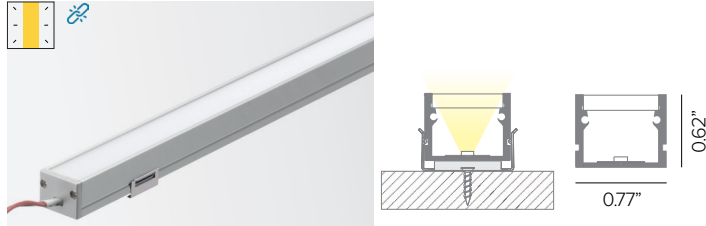
Aluminum profile with white polycarbonate lens for surface or recessed installation with limited width. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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 ABSOLUTE WHITE IP20

## 9 - MOUNTING CONT. (REQUIRED)

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

 **UNIFORM**  
DIRECT VIEW

 **BLENDED**  
DIRECT/INDIRECT  
VIEW

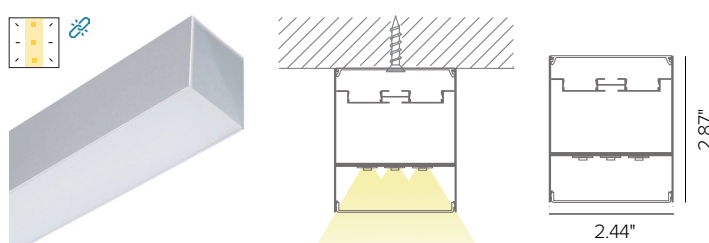
 **PIXEL**  
INDIRECT VIEW

### SURFACE PROFILES CONT.



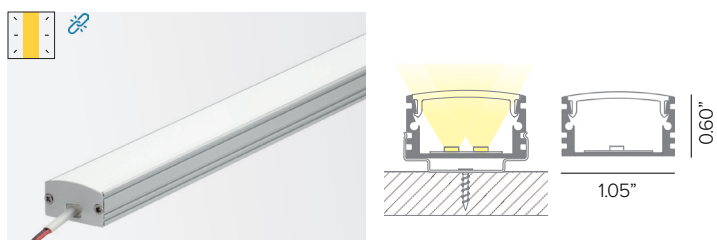
Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

Part No. **DL88ALUMU8**



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

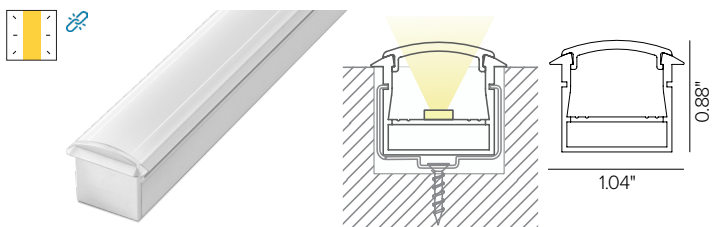
Part No. **PRDES0**



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.**

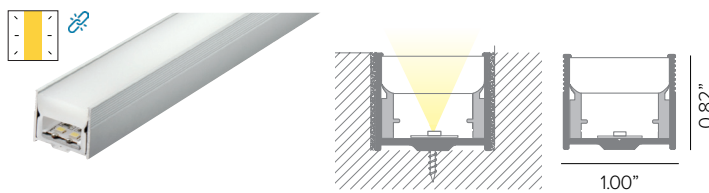
Part No. **P04B-S-PF-300**

### RECESSED PROFILES



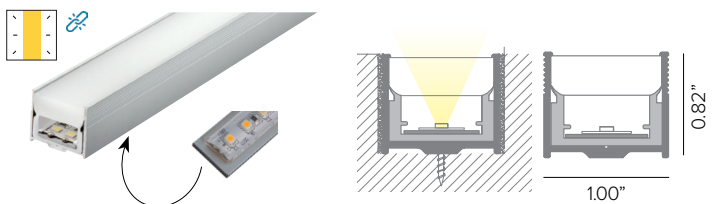
Recessed flush mount anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRIN-U**



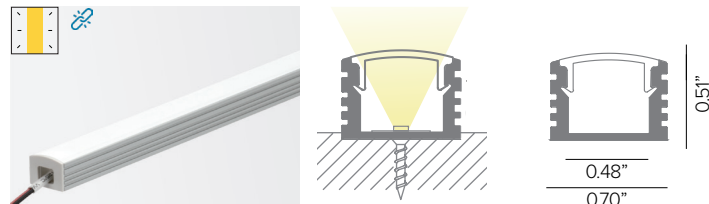
Rigid high impact two part profile with aluminum channel and white polycarbonate insert (side walls) with frosted top diffuser lens for surface or recessed mounting. Dimension: 39"L (1M)

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**



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**

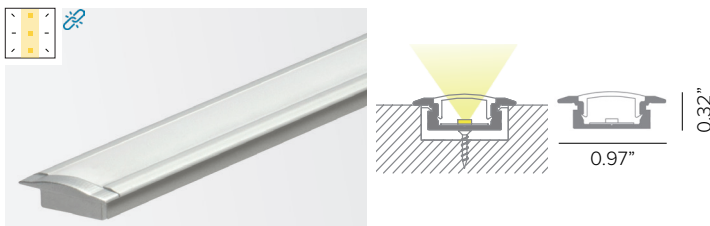
# DURATAPE ABSOLUTE WHITE IP20

## 9 - MOUNTING CONT. (REQUIRED)

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

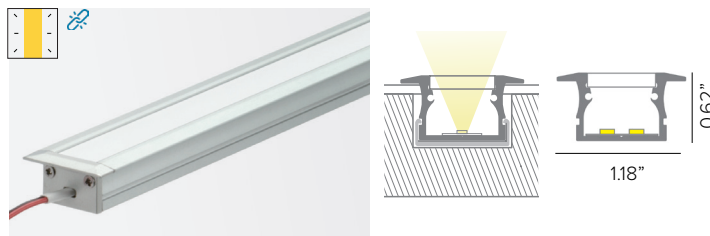


### RECESSED PROFILES CONT.



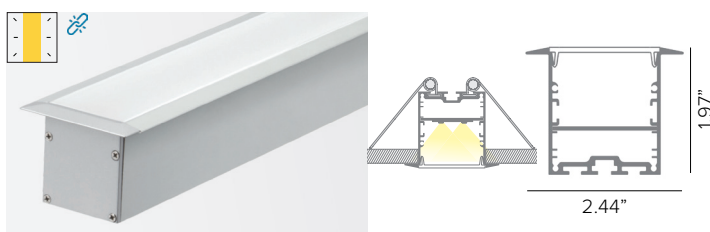
Aluminum profile with opal polycarbonate lens for recessed installation with limited width. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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



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.**

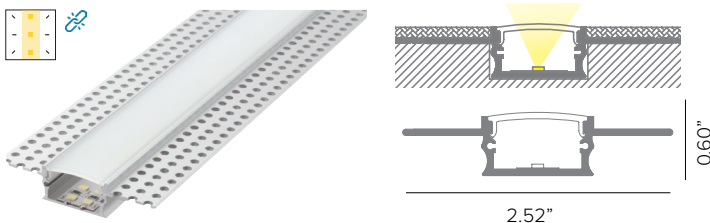
Part No. **P04H-S-PF-300**



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**

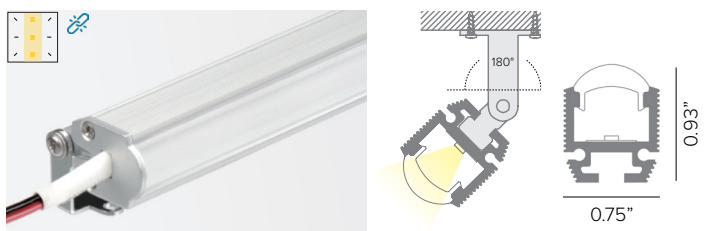
### TRIMLESS MUD-IN PROFILES



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

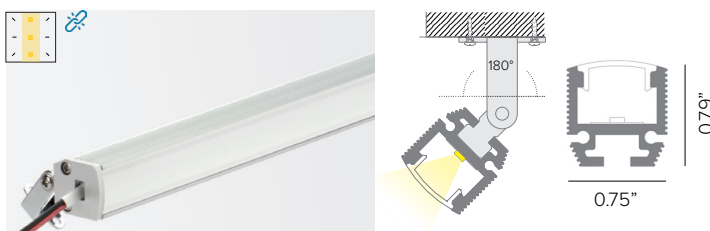
Part No. **PRINCG**

### ADJUSTABLE PROFILES



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

## 9 - MOUNTING CONT. (REQUIRED)

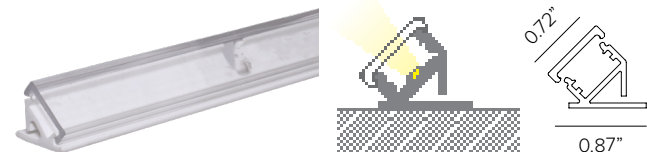
[WEBSITE LINK](#)  
[SPEC SHEET](#)

 **UNIFORM**  
DIRECT VIEW

 **BLENDED**  
DIRECT/INDIRECT VIEW

 **PIXEL**  
INDIRECT VIEW

### ANGLED PROFILES

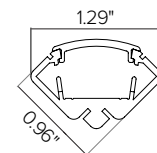


Two-piece 45° PVC mounting tube; white opaque base with cover (clear or frosted). Countersink screw holes, 12" O.C. Dimension: 48"L

Base Part No. **DLW45MCH-4**

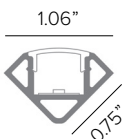
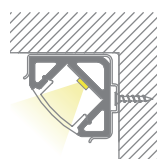
Cover Diffusion Clear Frosted 10% Frosted 30% Frosted 60%

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



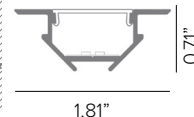
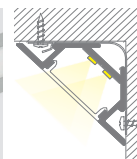
45° anodized aluminum rigid profile complete with opal translucent lens. Dimension: 79"L (2M)

Part No. **PRAN-U**



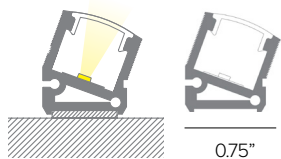
45° aluminum profile with opal polycarbonate lens for surface or recessed corner applications. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

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**



0.93"

0.75"

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 ABSOLUTE WHITE IP20

## 9 - MOUNTING CONT. (REQUIRED)

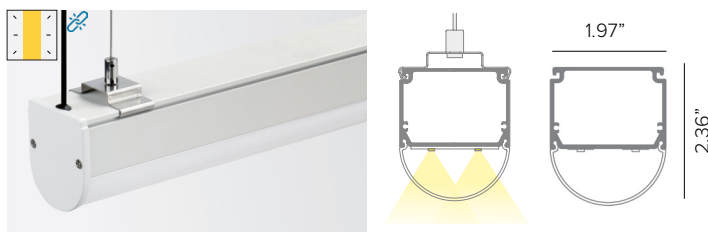
[WEBSITE LINK](#)  
[SPEC SHEET](#)

 **UNIFORM**  
DIRECT VIEW

 **BLENDED**  
DIRECT/INDIRECT  
VIEW

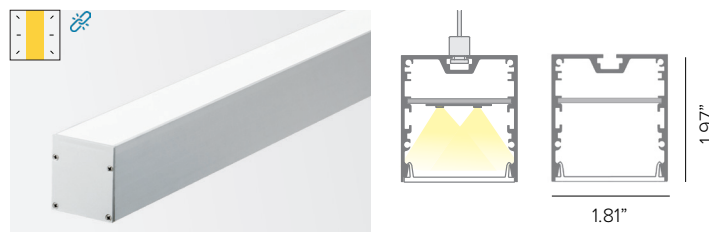
 **PIXEL**  
INDIRECT VIEW

### 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.**

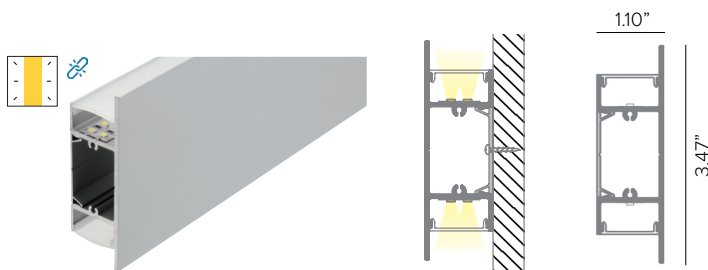
Part No. **P07A-S-PF-300**



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 ABSOLUTE WHITE IP20

## 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>DELI601241CPWM</b>	60W	0-10V	<10%	NEMA1	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>DELI901241CPWM</b>	90W	0-10V	<10%	NEMA1	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>DELI1802242CPWM</b>	2X90W	0-10V	<10%	NEMA1	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>DELI2703243CPWM</b>	3X90W	0-10V	<10%	NEMA1	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

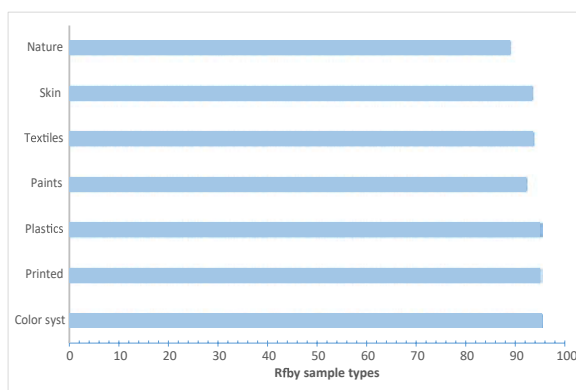
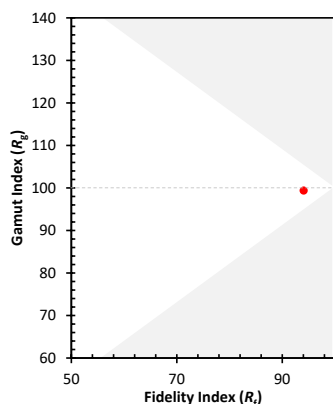
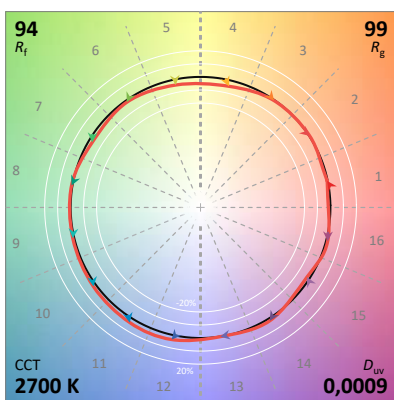
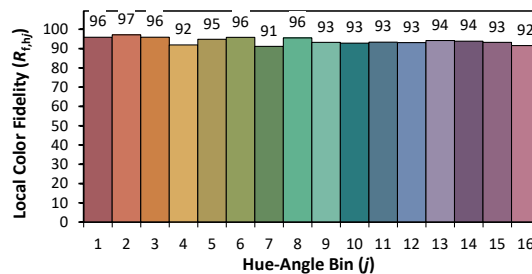
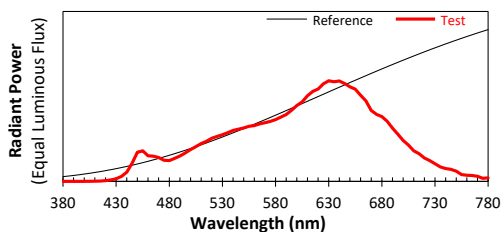
Fixture Wattage	Driver Wattage									
	30W	40W	60W	90W	96W	2X90W	2X96W	3X90W	3X96W	
4.3W	6FT	8FT	12FT	18FT	20FT	(2) 18FT	(2) 20FT	(3) 18FT	(3) 20FT	

# DURATAPE ABSOLUTE WHITE IP20

## TM30 GRAPH

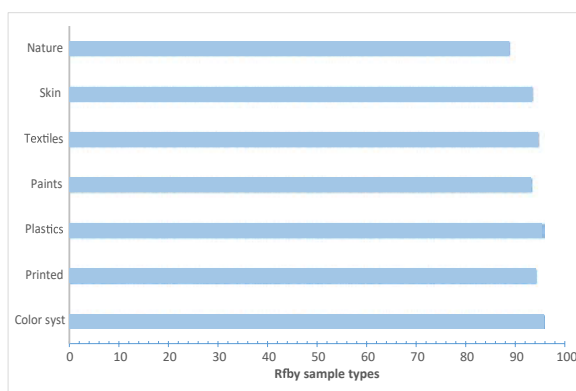
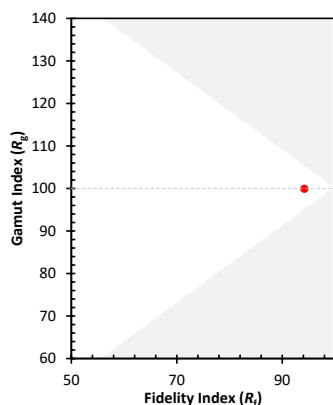
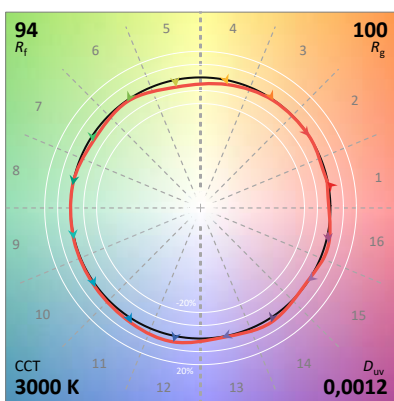
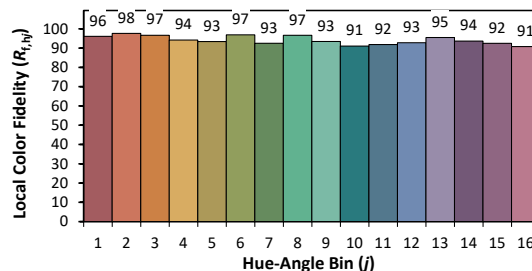
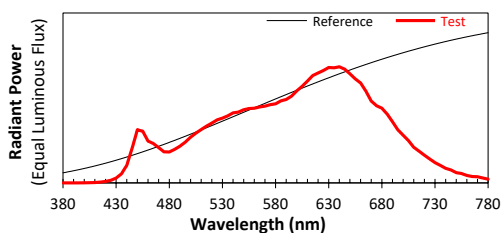
2700K

<b>Ra</b>	98
<b>R9</b>	97
<b>Rf</b>	93,3
<b>Rg</b>	99,4



3000K

<b>Ra</b>	99
<b>R9</b>	97
<b>Rf</b>	93,5
<b>Rg</b>	100,0

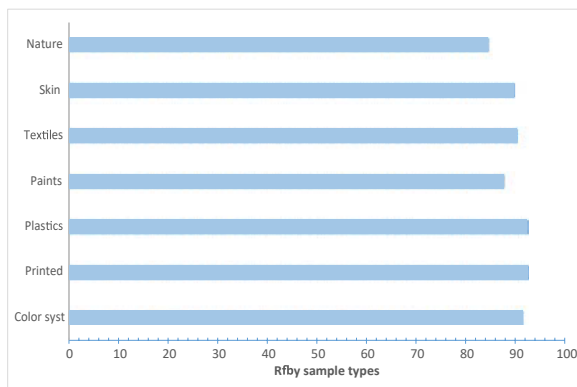
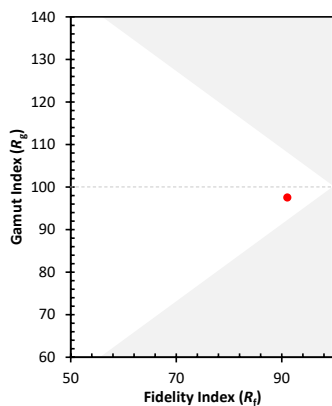
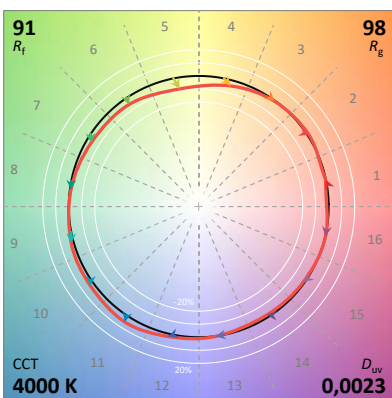
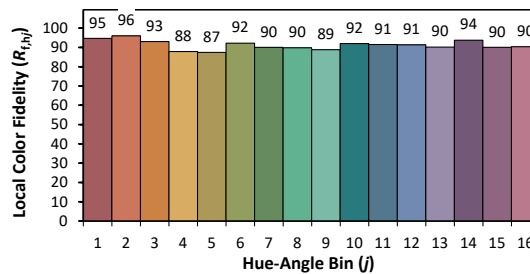
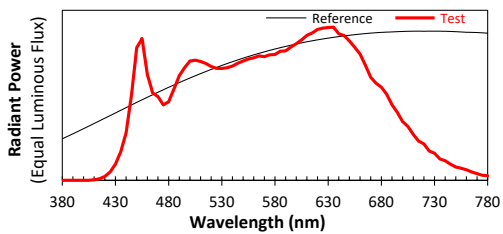


# DURATAPE ABSOLUTE WHITE IP20

## TM30 GRAPH

4000K

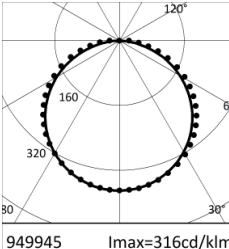
<b>Ra</b>	96
<b>R9</b>	98
<b>Rf</b>	89,9
<b>Rg</b>	97,6



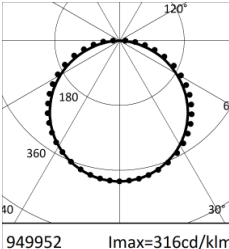
# DURATAPE ABSOLUTE WHITE IP20

## PHOTOMETRY

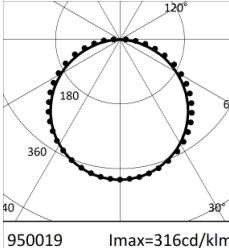
IES FILES SHOWN AT 1M (3.28FT) LENGTHS



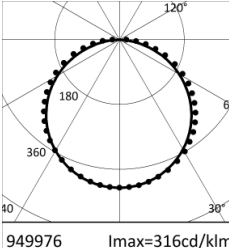
2700K		H(m)	D1(m)	D2(m)	Emax(lx)		
Ra98			117°	122°			
Fixture Power	14W	1	3.25	3.62	369		
Source Flux	1170lm	2	6.50	7.24	92		
Fixture Flux	1170lm	3	9.74	10.86	41		
Efficacy	84lm/W	4	12.99	14.48	23		
949945	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	369cd	5	16.24	18.09	15



3000K		H(m)	D1(m)	D2(m)	Emax(lx)		
Ra99			117°	122°			
Fixture Power	14W	1	3.25	3.62	390		
Source Flux	1235lm	2	6.50	7.24	97		
Fixture Flux	1235lm	3	9.74	10.86	43		
Efficacy	88lm/W	4	12.99	14.48	24		
949952	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	390cd	5	16.24	18.09	16



3500K		H(m)	D1(m)	D2(m)	Emax(lx)		
Ra97			117°	122°			
Fixture Power	14W	1	3.25	3.62	390		
Source Flux	1235lm	2	6.50	7.24	97		
Fixture Flux	1235lm	3	9.74	10.86	43		
Efficacy	88lm/W	4	12.99	14.48	24		
950019	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	390cd	5	16.24	18.09	16



4000K		H(m)	D1(m)	D2(m)	Emax(lx)		
Ra96			117°	122°			
Fixture Power	14W	1	3.25	3.62	410		
Source Flux	1300lm	2	6.50	7.24	103		
Fixture Flux	1300lm	3	9.74	10.86	46		
Efficacy	93lm/W	4	12.99	14.48	26		
949976	I <sub>max</sub> =316cd/klm	I <sub>max</sub>	410cd	5	16.24	18.09	16