

# Food Processing Profile Wrap: FP-D-LED

Sealed 4' Linear High Efficiency LED Surface D-Profile Wrap

- **DLC Listing available for some configurations**
- **IP55 rated**
- **Several mounting options for surface or suspended installation**
- **Suitable for use in NSF Non-Food & Splash Zones**
- **ETL listed for wet locations**
- **End to end row mounting optional**
- **B.A.A. Compliant & Made in the USA by a Family Owned US Corporation**



Not all product variations listed on this page are DLC qualified. Visit <https://www.designlights.org/gqi> to confirm qualification.

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## ORDERING GUIDE

Series	Lens Type	Material	Series	Row Qty.	LED Type	CCT/CRI	Voltage	Options	
FP			40		LEDR				
Series	Lens Type	Material	Size	Light Source	Voltage	Options			
FP	D Frosted Acrylic	1 White CRS Ext. Hsg. & White CRS Int.	40 4' Housing	Row Qty.	LEDR	CCT/CRI	Voltage	FC Fuse & Holder (One Supplied Per Circuit)	
				2				83 CRI: 120V	EDL -40F Electronic Driver
				3				835 3000K	UNV EM10** 10W Integral LED EM (Specify Input Voltage)
	LPD Clear Linear Prismatic Poly	3 Polished 304 SS ext. & 304 SS int.	4				347V*	CRM Continuous Row Mounting	
								840 4000K	TP Stainless Steel Tamperproof Fasteners
								850 5000K	SW Sealed Wireway for Conduit End Feed (each end)
	FPD Frosted Linear Prismatic Poly	4 White Alum Ext. & White CRS Int.						WHT White Finished Door & HSG	
								90+ CRI:	PMB (2) Pendant Mount Brackets (Pendants or Chains by Others)
								935 3500K	CMB (2) Corner Mount Brackets
								AMB (2) Adjustable Mount Brackets	
								PxL* Programmed to User Specified Lumen Value.	
								PxW* Programmed to User Specified Wattage Value.	
							10KV 10KV Parallel Surge Protection (One Supplied Per Circuit)		
							GTD*** Generator Transfer Device		
							WHIP Must Specify Length and Wire Qty		
							OCMWW Integral microwave occ sensor (32' max)		
							OCCHB External PIR occ sensor (end mount 20'-40')		
							OCCLB External PIR occ sensor (end mount 8'-10')		
							AMW Anti-Microbial White Powdercoat		
<p>**Note: EM10 remote mount for 2' housing                      *Note: specify value in ordering notes below                      ***Note: GTD n/a for 2' housing</p>									

Ordering Notes, If Applicable

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## SPECIFICATIONS

**HOUSING:** Double channel housing of 20Ga 1008 Cold Rolled Steel, 20Ga 304 Stainless Steel, or .040" 3003 Aluminum construction.

**END CAPS:** Precision stamped 20Ga 304 Stainless Steel end caps secured to housing with captive stainless steel flush head screws. SW Option provides a 3 piece conduit hub/ring/plug assembly installed in the endcap.

**GASKETS:** NSF Listed closed cell microcellular extruded KleanLock SealPro gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system.

**OPTICS:** All lensing is extruded from a nominal 1/8" plastic material. Available in frosted acrylic, Clear Polycarbonate with linear ribs, or Clear Polycarbonate with a frosted inlay.

**LEDS:** Commercially available in a wide variety of Color Temperature (CCT), FLUX, and CRI. Highly efficient and consistent color maintained to 3 SDMC for color critical applications. B50/L70 and compliant with Zhaga recognized hole patterns. Consult factory for LED options or configurations not listed below.

**DRIVERS:** Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

**REFLECTOR:** Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

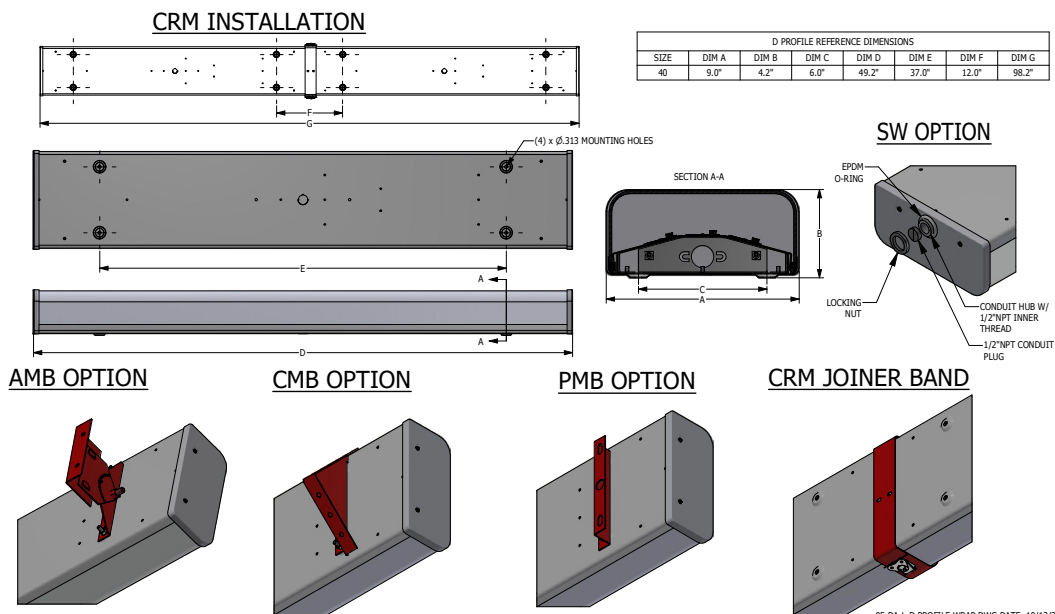
**INSTALL:** Suitable for wet location installation under covered ceilings only. Luminaire is provided with four 5/16" debossed holes for mounting. Power is brought in through 1/2" flattened conduit K.O. located on the bottom of luminaire. Power can also be brought through the end of the luminaire with SW option selected. Suitable for thru wiring.

**ROWS:** Joiner bands provided for continuous row mounting (See Option: CRM). Please specify number of fixtures in each run.

**FINISH:** Stainless steel housings are satin polished unless WHT or AMW options are selected. All other materials are provided with gloss high reflectance white polyester powder coat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

**LISTINGS:** Suitable for use in NSF non-food zones & Splash Zones. IP55 rated for dust and water ingress. ETL listed per UL\_1598 for wet locations. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product is Buy American Act (B.A.A.) compliant.

## PRODUCT DRAWINGS



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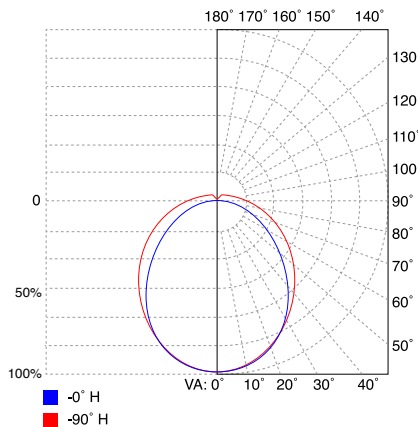
## ENERGY DATA

"D" PROFILE LED WRAP (APPROX <sup>1</sup> LUMENS DELIVERED)											
LENS TYPE	ENCLOSURE SIZE	LED SELECTION	STANDARD DIMMING	83 CRI (3000K - 5000K)				90 CRI (3500K - 4000K)			
				LUMENS	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MAX AMB TEMP <sup>4</sup>	LUMENS	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MAX AMB TEMP <sup>4</sup>
D	40	2LEDR	0-10V 1%	8,040	56	144	40°C (104°F)	7,767	56	139	40°C (104°F)
FPD	40	2LEDR	0-10V 1%	6,360	56	114	40°C (104°F)	6,144	56	110	40°C (104°F)
LPD	40	2LEDR	0-10V 1%	7,960	56	142	40°C (104°F)	7,689	56	137	40°C (104°F)
D	40	3LEDR	0-10V 1%	11,952	85	141	40°C (104°F)	11,546	85	136	40°C (104°F)
FPD	40	3LEDR	0-10V 1%	9,470	85	111	40°C (104°F)	9,148	85	108	40°C (104°F)
LPD	40	3LEDR	0-10V 1%	11,830	85	139	40°C (104°F)	11,428	85	134	40°C (104°F)
D	40	4LEDR	0-10V 1%	14,423	112	129	40°C (104°F)	13,933	112	124	40°C (104°F)
FPD	40	4LEDR	0-10V 1%	13,050	112	117	40°C (104°F)	12,606	112	113	40°C (104°F)
LPD	40	4LEDR	0-10V 1%	14,314	112	128	40°C (104°F)	13,827	112	123	40°C (104°F)

- <sup>1</sup> DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MADE
- <sup>2</sup> WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS
- <sup>3</sup> EFFICACY CALCULATED USING 4000K CCT DATA.
- <sup>4</sup> MAX AMBIENT TEMP RATING. TEMP RATING MAY VARY WITH ALTERNATE SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION
- <sup>5</sup> DELIVERED LUMENS FOR EM10 = (10W)\*(EFFICACY) = DELIVERED LUMENS. EM10 ADDS 4W TO TOTAL LUMINARE

## PHOTOMETRICS

D Optics



LPD Optics

