

# Wet Location High Bay Troffers: WL-FG-2X2LP-LED FE

Recessed 2x2 Troffer for Wet Locations

- **IP55 Rating**
- **ETL Listed for Wet Locations**
- **Up to 40,000lm delivered @ over 130 lm/w**
- **0-10V 5% dimming standard**
- **Robotically seam welded housing**
- **Channel inset door frame**
- **Recessed Housing suitable for T-bar Grid & Hardlid Installations**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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## ORDERING GUIDE

Series	Material	Size	Row Qty.	LED Type	CCT/CRI	Voltage	Optics	Options
<b>WL-FG</b>		<b>2x2LP</b>		<b>LED FE</b>				
Series	Material	Size	Light Source			Voltage	Optics	Options
<b>WL-FG</b>	2 White CRS Hsg. & Polished SS Door	2x2LP 2' x 2' Housing	4	<b>LED FE</b>	80 CRI:	<b>120V</b>	<b>P12ACR</b> 0.135" P12 Prismatic Impact Resistant Acrylic (Inverted)	<b>SW</b> Wet Location Hub Supplied (not installed)
			6		830 3000K			
	6 White CRS Hsg. & White AL Door	(Low Profile - Provided with high-powered linear modules. No heatsinks)			835 3500K	<b>UNV</b>	<b>A19</b> 0.156" A19 Prismatic Impact Resistant Acrylic (Inverted)	<b>PxW *</b> Programmed to User Specified Wattage Value.
					840 4000K	<b>347V*</b>	<b>HIA</b> 0.140" P12 Prismatic High Impact Resistant Acrylic (Inverted)	<b>10KV</b> 10KV Parallel Surge Protection (One Supplied Per Circuit)
					850 5000K		<b>FROST*</b> 0.125" Flat Diffusing Frost Acrylic	<b>GTD</b> Generator Transfer Device
							<b>2DBW</b> 0.125" Flat Diffused Acrylic with Bi-Directional Batwing Distribution	<b>WHIP</b> Must Specify Length and Wire Qty
							<b>LBW</b> 0.125" Flat Diffused Acrylic with Linear Batwing Distribution	<b>OCGMW</b> Internal microwave OCC Sensor
							<b>GH85</b> 0.125" Flat Diffused Acrylic with Glare Suppression Distribution	<b>FC</b> Fuse & Holder (One Supplied Per Circuit)
							NOTE: FROST Option is standard and will be provided when no other option is selected.	<b>EM20</b> 20W Remote LED EM (Specify Input Voltage)
								<b>GG</b> 1/8" Thick Grid Gasket (Provided Loose)
								<b>EDL</b> -40F Electronic Driver
								<b>WHT</b> White Finished Door & HSG
								<b>AMW</b> Anti-Microbial White Powdercoat
								<b>2/ED</b> Two Drivers/Two Circuits
Note*: Specify Value in Ordering Notes Below								

Ordering Notes, If Applicable

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### SPECIFICATIONS

**HOUSING:** One piece, robotically seam welded, hole free 20-gauge CRS construction.

**DOOR FRAME:** Inset door frame made from welded channels regresses into the housing to allow the neoprene gasket to seal to the housing. Door frame is hinged by aircraft cables and secures to housing with captive stainless steel pan head screws. Available in .040" 3003 Powder coated Alum. , 20Ga 304 Polished SS.

**GASKETS:** Closed cell 100% pure neoprene gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system. GG option provides a loose 1/8" thick adhesive backed gasket intended to adhere to the top face of a suspended grid ceiling for grid profiles that do not already have gasket on them.

**OPTICS:** .Standard frost acrylic lens is provided when no other options are selected. All prismatic lensing options come with an inverted lens so the smooth side faces the room for easy cleaning. All optics are sealed to the door with the NSF listed RTV silicone sealant. Other optics are available, consult factory for more information or options not listed.

**LEDS:** Available with 4 or 6 linear modules that are available in 80CRI only. High efficiency modules do not require heat sinking allowing the luminaire to be smaller and lighter.

**DRIVERS:** Standard driver(s): Universal voltage (120-277 volt). LED drivers are commercially available high efficiency, HPF and dimmable with 0-10v control. Standard drivers are programmable to match wattage or lumen requirements. Provided with a five (5) year warranty.

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

**INSTALLATION FLANGE:** Adjustable toggle arm mounting standard. Seismic support wire attachment locations. Supply entry via 1/2" trade size flattened knockouts.

**INSTALLATION GRID:** Standard luminaires accommodate 1.0" & 1.5" and some 2.0" T-Bar Grid. Four seismic support adjustable grid clips also offer cable attachment point. Supply entry via 1/2" trade size flattened knockouts.

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

**LISTINGS:** IP55 rated for dust and water ingress. ETL listed per UL\_1598 for wet locations. Chicago Plenum Rated. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

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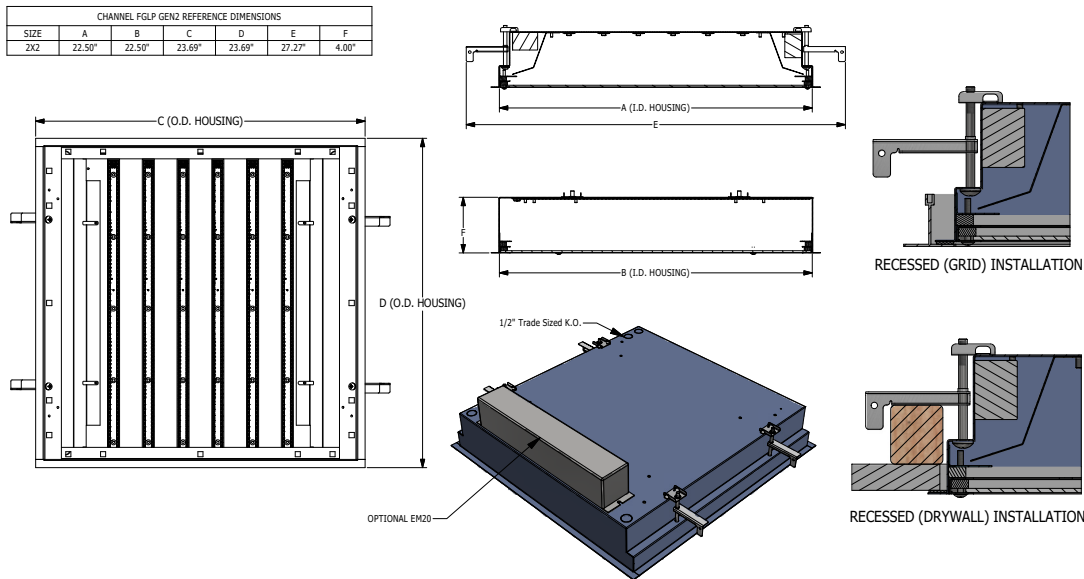
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## ENERGY DATA - LOW PROFILE (2x2LP)

CHANNEL-FG-2X2LP-4or6 LED							
ENCLOSURE SIZE	LIGHT PACKAGE	DIMMING	80 CRI (3000K-5000K)			AMBIENT TEMP RATINGS	
			Lumens <sup>1</sup>	Wattage <sup>2</sup>	Efficacy <sup>3</sup>	MINIMUM	MAXIMUM <sup>4</sup>
2X2LP	FROST LENS 4LEDFE	0-10V 5%	26,900	214	126	-40°C (-40°F)	50°C (122°F)
2X2LP	FROST LENS 6LEDFE	0-10V 5%	40,400	321	126	-40°C (-40°F)	50°C (122°F)
2X2LP	20W EM <sup>5</sup>	NA	2,520	9	NA	0°C (32°F)	45°C (113°F)

- 1 DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MADE
- 2 WATTAGE IS MEASURED WITH LED 750 SELECTION @ 120vAC AND Tambient = 25C. WATTAGES WILL VARY AND INCREASE WHEN ALTERNATE OPTOINS ARE SELECTED
- 3 EFFICACY CALCULATED USING LOWEST CCT @ 25C AMBIENT VARIATIONS MAY OCCUR
- 4 MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.
- 5 INITIAL LUMEN VALUE CALCULATED BY (20W)\*(NORMAL LUMENS/NORMAL WATTAGE).

## PRODUCT DRAWINGS - LOW PROFILE (2x2LP)



09-AB-L-STD FG LP CHANNEL GEN2 DWG DATE: 9/11/2020