

# Food Processing H.B. Troffer

Wet Location 18" x 46" LED Suspended High Bay Luminaire

- **Suitable For Use in Food Processing Applications**
- **Sloped Back For water Shedding**
- **Up to 146Lm/Watt**
- **Four (4) Eyebolts Installed on Back for Suspending**
- **Up to 35,000 Lumens Delivered**
- **Made in the USA by a Family Owned US Corporation**



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## ORDERING GUIDE

Series	Installation Type	Material	Size	Source	CCT	Voltage	Options
<b>FP</b>							
<b>FP</b>	<b>HB2:</b> High Bay	<b>3:</b> Polished 304 SS Hsg. & Polished 304 SS Door <b>5:</b> White AL Hsg. & white AL Door	<b>40:</b> 18" x 46" Housing	<b>LO:</b> Low Output <b>MED:</b> Medium Output <b>HI:</b> High Output	<b>80 CRI:</b> <b>835 = 3500K CCT</b> <b>840 = 4000K CCT</b> <b>850 = 5000K CCT</b>	<b>120V</b> <b>277V</b> <b>UNV</b> <b>347V*</b>	<b>FC:</b> Fuse & Holder (One Supplied Per Circuit) <b>2/ED:</b> Two Drivers (Two Circuits) <b>10KV:</b> 10KV Parallel Surge Protection (One Supplied Per Circuit) <b>EM10:</b> 10W Integral LED EM (Specify Input Voltage) <b>AC20:</b> 20' Stainless steel Aircraft Cables <b>ACY10:</b> 10' Stainless Steel Y-Cables <b>WHT:</b> White Finished SS Door & HSG <b>LEX:</b> .125" Prismatic Polycarbonate <b>TG:</b> .156" Prismatic C73 Tempered Glass <b>TP:</b> Stainless Steel Tamperproof Fasteners <b>PxL:</b> Programmed to User Specified Lumen Value.∞∞ <b>PxW:</b> Programmed to User Specified Wattage Value.∞∞ <b>10KV:</b> 10KV Parallel Surge Protection (One Supplied Per Circuit) <b>CORD:</b> Installed on fixture (must specify length and type)

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## SPECIFICATIONS

**HOUSING:** Welded sloped back housing for water shedding, available in polished 304 stainless steel or white powder coated .050" aluminum.

**DOOR FRAME:** One piece inset door frame made of polished 304 stainless steel or white powder coated aluminum. Secured to housing with 14 captive stainless steel screws and hinged to housing with 2 stainless steel aircraft cables.

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

**LENS:** Sealed to door with NSF listed silicone sealant and mechanically secured. Standard lens is .125" thick clear flat acrylic. Other options available

**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. 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.

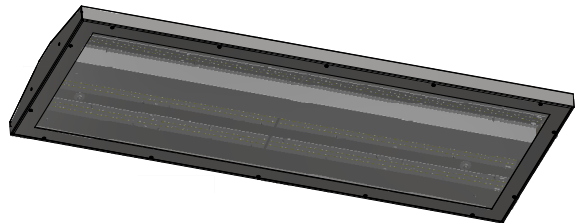
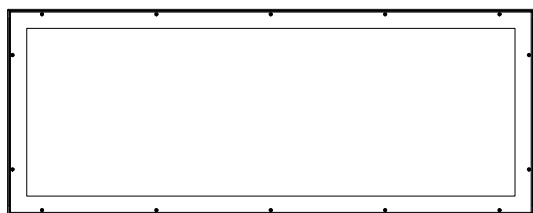
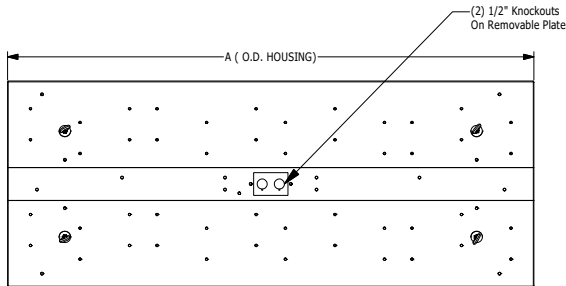
**REFLECTOR:** Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

**INSTALLATION:** Luminaire comes standard with (4) installed eyebolts on the back of the housing for suspending. Cables and other suspending hardware available under options. Power entry through sealed access plate with 1/2" trade sized knockouts on top center of the luminaire.

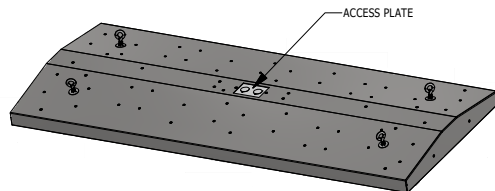
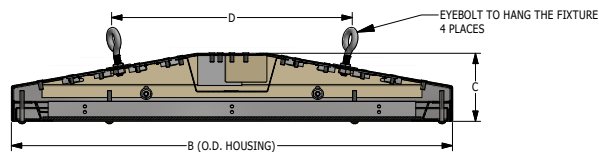
**FINISH:** Stainless steel doorframes and housings are satin polished unless option WHT is chosen. Aluminum doors and housings are powder coated white standard.

**LISTINGS:** NSF2 Listed for Food Zones. IP65 rated for dust and water ingress. Suitable for 1700 PSI high pressure hoedowns. 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.

## PRODUCT DRAWINGS



FP-HB REFERENCE DIMENSIONS					
FIXTURE	DIM A	DIM B	DIM C	DIM D	DIM E
FP-HB	46.00"	18.00"	2.78"	9.80"	36.00"



01-FA-L-FP DWG. DATE: 4/26/2017

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## ENERGY DATA

FOOD PROCESSING 18x46 LED HIGHBAY (APPROX <sup>1</sup> LUMENS DELIVERED)							
ENCLOSURE SIZE	LIGHT PACKAGE / LENS	80 CRI (3000K - 5000K)					STANDARD DIMMING
		LUMENS <sup>1</sup>	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MIN AMB TEMP <sup>4</sup>	MAX AMB TEMP <sup>4</sup>	
40	HIGH OUTPUT	43,200	305	141	-40°C (-40°F)	40°C (104°F)	0-10V 5%
40	MEDIUM OUTPUT	28,400	209	135	-40°C (-40°F)	40°C (104°F)	0-10V 5%
40	LOW OUTPUT	19,800	147	134	-40°C (-40°F)	40°C (104°F)	0-10V 5%
40	EM10	1,340-1,410	4	NA	0°C (32°F)	30°C (86°F)	NA

<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