

envirobrite

ENERGY PLANNING ASSOCIATES

FO5 T8 ENCLOSED HIGH BAY

Multi Lamp T8 Fixture

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greenSEAL

Description

Fluorescent High-Bay systems have become the number one cost effective option for retrofitting the aging technology of metal halide, mercury vapor and high-pressure sodium HID lamps. Envirobrite's® multi-lamp T8 Enclosed Body FO5 Fluorescent High-Bay systems have made retrofitting HID lamps the accepted norm for any facilities enhancements. Aluminum body fixtures have long been a favored material for their thermal properties and ability to illuminate and operate efficiently in high temperature environments. Added benefits of instant start lamps, premium color rendition, comparable lumens per watt and reduced glare have further justified this technology shift.

Application

For more than ten years companies have moved toward a green alternative for lighting indoor spaces with high ceilings (ex. warehouses, factories, aircraft hangers, and gyms, etc.). Significant advancement in fluorescent lamps, ballasts and fixture efficiencies and the addition of rebates have made fluorescent lighting the most cost-effective choice for any application creating excellent return on investment.

Design

Envirobrite® aluminum reflectors and Enclosed Body FO5 fixtures are designed by our expert in-house lighting engineers for ideal photometry and trouble-free installation. Every Envirobrite® fixture is designed to meet UL 1570 specifications for safety. Our aluminum fixture bodies are manufactured for optional wire cages or lens attachments. Knockouts are located at both ends for continuous wiring. Rivets incorporated within the brackets and fixture sanction added reinforcement. Pre-painted baked on enamel add to the durability of each fixture. Each Envirobrite® FO5 fixture maximizes 'capture efficiency' – the amount of lumens generated by the lamp that the reflector actually controls. Smaller HID where reflectors are used have less capture efficiency (less control) while larger reflectors have more capture efficiency (more control). This is a critical element in Envirobrite's® Fluorescent High-Bay fixture design allowing the fixture to control the light and direct it to a specified area. Our reflectors are designed to maximize capture efficiency (lumen control) while minimizing material cost. We manufacture all fixture bodies around the reflector allowing form to follow function and provide variable spacing criteria options from .5 through 2.0 to meet any application.



Primary Features & Benefits

- Proudly Designed, Made and Assembled in the USA
- Utility rebate friendly throughout the U.S.
- Two fixture dimension options measuring about 1x4 and 2x4
- Up to a 25 year warranty and a 10 year labor allowance
- Enhanced Fixture Efficiencies
- Riveted construction for added durability
- Instant and programmed-start low, normal or high power ballast choice
- Aluminum components generate a rust-free approach to less maintenance and lasting appeal
- Narrow, regular and wide photometric distribution
- Optional motion / occupancy sensing and photo-cell technology for further savings
- Significant reduction in energy and maintenance costs
- UL Listed
- Multi-facet optical design for maximum performance
- Qualifies for maximum \$.60 square foot EPACT tax deduction
- Universal Voltage 120-277 / 347-480 capable
- Dimmable ballast option
- Superior anti-color shifting lighting directly to the work plane - low, medium and high bay applications
- Significantly improved lumen maintenance offering lamp quantities from 2 to 8 – tandem fixture options available up to 16 lamps
- Individual, continuous row or side by side mounting options – tandem wiring

Quick, Safe and Labor Efficient Installation

- Toolless ballast access for all fixtures (except 3 lamp body)
- Snap-in locking lampholders
- Streamlined packaging for easy job site material management
- 100% aluminum for a lightweight, safe and easy installation

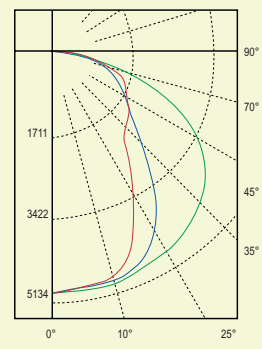
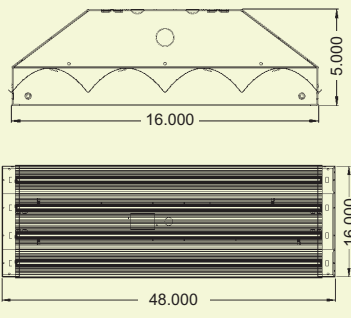
For added efficiency include high quality T8 lamps. Adding an Envirobrite® approved motion sensor system to your lighting upgrade project will further enhance energy savings and create an even faster payback.



highfive



Dimensions - 4 Lamp Narrow Distribution



Candela Plot
45° FO52404T832ENONB
90° FO52404T832ENONB

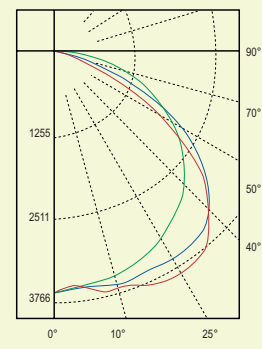
Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	3557	30.7	34.0
0-40	5313	45.8	50.8
0-60	8380	72.2	80.1
0-90	10458	90.2	100.0

Total Luminaire Optical Efficiency = **90.2%**
*specs taken using (FO52404T832ENONB)

Luminaire Spacing Criterion

0 deg	90 deg
1.24	.84



Candela Plot
45° FO52404T832ENORB
90° FO52404T832ENORB

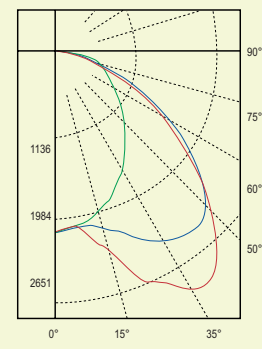
Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	2989	25.8	29.2
0-40	5021	43.3	49.0
0-60	8861	76.4	86.4
0-90	10252	88.1	100.0

Total Luminaire Optical Efficiency = **88.4%**
*specs taken using (FO52404T832ENORB)

Luminaire Spacing Criterion

0 deg	90 deg
1.24	1.44



Candela Plot
45° FO52404T832ENOSB
90° FO52404T832ENOSB

Zonal Lumen Summary

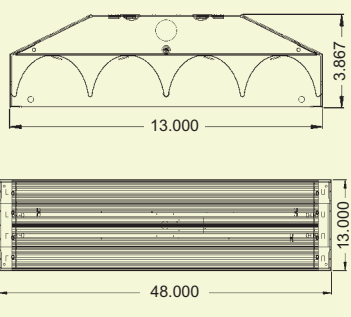
Zone	Lumens	% Lamp	Fixture
0-30	1869	16.1	18.8
0-40	3454	29.8	34.8
0-60	7381	63.6	74.3
0-90	9935	85.6	100.0

Total Luminaire Optical Efficiency = **85%**
*specs taken using (FO52404T832ENOSB)

Luminaire Spacing Criterion

0 deg	90 deg
1.25	2.09

Wide Distribution



Ordering Information

Sample number: **FO52404T832ENORBVMVTL14H**

FIXTURE

TYPE	DIMENSION	LAMPS	LAMP TYPE	REFLECTOR	FIXTURE OPTICS
<input type="radio"/> FO5=Enclosed High Bay OFO	<input type="radio"/> 24=2x4	<input type="radio"/> 02=2 Lamp <input type="radio"/> 05=5 Lamp <input type="radio"/> 03=3 Lamp <input type="radio"/> 06=6 Lamp <input type="radio"/> 04=4 Lamp <input type="radio"/> 08=8 Lamp	<input type="radio"/> T832=32W	<input type="radio"/> WN=91% White <input type="radio"/> EN=95% Enhanced	<input type="radio"/> ONB=Narrow Beam <input type="radio"/> ORB=Regular Beam <input type="radio"/> OWB=Wide Beam

VOLTAGE	BALLAST CONF.	NO. OF BALLASTS	NO. OF LAMPS	BALLAST FACTOR	MOUNTING OPTIONS - Optional
<input type="radio"/> VMVT=120/277	<input type="radio"/> L=Single	<input type="radio"/> 1=1 Ballast	<input type="radio"/> 1=1 Lamp <input type="radio"/> 2=2 Lamp	<input type="radio"/> L=Low	<input type="radio"/> NF1=Pendant Mounting Kit <input type="radio"/> NG4=10' Gripple Loop w/Tog
<input type="radio"/> VHVT=347/480	<input type="radio"/> M=Multi	<input type="radio"/> 2=2 Ballasts	<input type="radio"/> 3=3 Lamp <input type="radio"/> 4=4 Lamp	<input type="radio"/> S=Standard	<input type="radio"/> NF2=Pendant Mounting Kit No Hub <input type="radio"/> NG5=15' Gripple Loop
		<input type="radio"/> 3=3 Ballasts	<input type="radio"/> 6=6 Lamp	<input type="radio"/> H=High	<input type="radio"/> NF9=Mounting Hook <input type="radio"/> NG6=5' Gripple Loop
					<input type="radio"/> NF3=Side by Side Mounting <input type="radio"/> NG7=5' Gripple Loop w/Tog
					<input type="radio"/> NG3=10' Gripple Loop <input type="radio"/> NG8= 10' Y Toggle Gripple
					<input type="radio"/> NG9= 5' Y Toggle Gripple

OPTIONS

CORD - Optional				WIRE CAGE - Optional		LENS - Optional		
CORD	ATTACHED/UN	SPECIALTY	PLUG	WIRE CAGE	PAINTED/UN	LENS THICKNESS	LENS APPEARANCE	LENS TYPE
<input type="radio"/> D06=6' Cord	<input type="radio"/> A=Attached Top	<input type="radio"/> 1=Cold Temp	<input type="radio"/> T=Twist Lock Plug	<input type="radio"/> W1=11 Guage	<input type="radio"/> P=Painted	<input type="radio"/> L12=.125	<input type="radio"/> CS=Clear Smooth	<input type="radio"/> P=Polycarbonate
<input type="radio"/> D10=10' Cord	<input type="radio"/> U=Unattached	<input type="radio"/> 0=None	<input type="radio"/> P=Standard Plug					<input type="radio"/> A=Acrylic
<input type="radio"/> D12=12' Cord	<input type="radio"/> S=Attached Side		<input type="radio"/> N=No Plug					
<input type="radio"/> D15=15' Cord								
<input type="radio"/> D20=20' Cord								
<input type="radio"/> D25=25' Cord								

EMERGENCY BALLAST	MOTION SENSOR - Optional			
	CONTROL TYPE	POWER FEED	APPLICATION	CONFIGURATION
<input type="radio"/> EII=Iota Pre-Wired	<input type="radio"/> CMSN=Motion Sensor	<input type="radio"/> 1=Single Pole	<input type="radio"/> A=Aisle 10 Degree	<input type="radio"/> QIO=Sensor Inboard/Outboard
	<input type="radio"/> CMPU=Motion Sensor with Photcell Facing Up	<input type="radio"/> 2=Two Pole	<input type="radio"/> H=High Bay 360 Degree	<input type="radio"/> QSA=Sensor All
	<input type="radio"/> CMPD=Motion Sensor with Photcell Facing Down		<input type="radio"/> L=Low Bay 360 Standard Range	
	<input type="radio"/> CMLH=Motion Sensor with Low Temp/High Humidity			
	<input type="radio"/> CPWO=Prewire Only			
	<input type="radio"/> CLPD=Low Temp/High Humidity			