

# envirobrite

ENERGY PLANNING ASSOCIATES

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greenSEAL

## FMH T5HO MINIATURE ENCLOSED HIGH BAY

4 Lamp T5 Fixture

### Description

Fluorescent High-Bay systems have become the number one cost effective option for retrofitting the aging technology of metal halide and high-pressure sodium HID lamps. Envirobrite's® T5HO Miniature Enclosed Fluorescent High-Bay produces excellent energy savings and superior lighting within a smaller footprint measuring less than 9" in width and about 48" in length. Each fixture is manufactured with 4 T5HO lamps. Aluminum body fixtures have long been a favored material for their thermal properties and ability to illuminate and operate efficiently in cold and high temperature environments. Added benefits of instant start ups, 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 medium to 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's® FMH High Bay reflectors 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 body's riveted construction ensures added strength. Pem studs are added for optional wire cage attachments. Each Envirobrite® FMH fixture maximizes 'capture efficiency' – the amount of lumens generated by the lamp that the reflector actually controls. Smaller HID reflectors 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. We manufacture all fixture bodies around the reflector allowing form to follow function.



### Primary Features & Benefits

- Proudly Designed, Made and Assembled in the USA
- Utility rebate friendly throughout the U.S.
- Excellent replacement for 400w MH or HPS
- Enhanced Fixture Efficiencies
- Riveted construction for added durability
- Aluminum components generate a rust-free approach to less maintenance and lasting appeal
- 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
- Instant and programmed-start low, normal or high power ballast choice

### Quick, Safe and Labor Efficient Installation

- Toolless ballast access
- Pendant, surface, junction box or hook and cord mounting options
- Snap-in locking lampholders
- Streamlined packaging for easy job site material management
- 100% aluminum for a lightweight, safe and easy installation

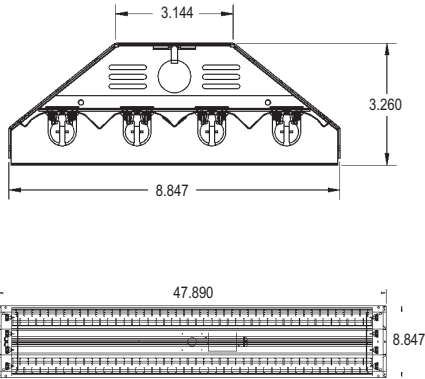
Adding an Envirobrite® approved motion sensor system to your lighting upgrade project will further enhance energy savings and create an even faster payback.



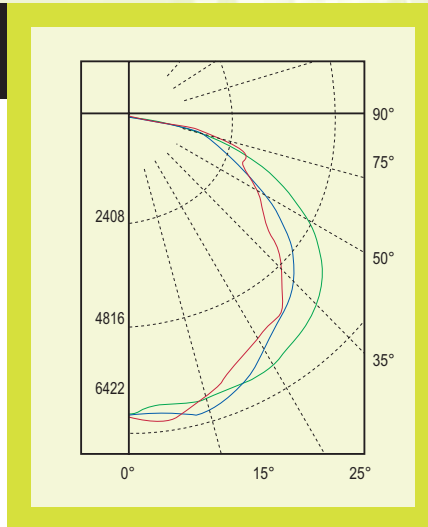
highfive



## Fixture Dimensions



## Zonal Lumen Summary



### Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	5281	26.4	29.1
0-40	8453	42.3	46.7
0-60	14156	70.8	78.1
0-90	18101	90.5	99.9

Total Luminaire Optical Efficiency = **90.6%**  
 \*specs taken using 95% MIRO reflector

Luminaire Spacing Criterion  
 0 deg - **1.3**      90 deg - **1.1**  
 Call factory for full photometric report

0° — Candela Plot  
 45° — 4 Lamp T5  
 90° —

### FIXTURE

### Ordering Information

Sample number: **FMH1404T554ENORBVMVL14H**

TYPE	DIMENSION	LAMPS	LAMP TYPE	REFLECTOR	FIXTURE OPTICS	VOLTAGE
<input type="radio"/> FMH=Miniature Enclosed High Bay	<input type="radio"/> 14=1x4	<input type="radio"/> 04=4 Lamp	<input type="radio"/> T554=54W	<input type="radio"/> EN=95% Enhanced	<input type="radio"/> ORB=Regular Beam	<input type="radio"/> VMVT=120/277 <input type="radio"/> VHVT=347/480

BALLAST TYPE	BALLAST CONF.	NO. OF BALLASTS	NO. OF LAMPS	BALLAST FACTOR	MOUNTING OPTIONS - Optional
<input type="radio"/> PS=Programmed Start	<input type="radio"/> L=Single <input type="radio"/> M=Multi	<input type="radio"/> 1=1 Ballast <input type="radio"/> 2=2 Ballasts	<input type="radio"/> 4=4 Lamp	<input type="radio"/> H=High	<input type="radio"/> NF1=Pendant Mounting Kit <input type="radio"/> NF2=Pendant Mounting Kit No Hub <input type="radio"/> NF9=Mounting Hook <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"/> L18=.118	<input type="radio"/> CS=Clear Smooth	<input type="radio"/> A=Acrylic
<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"/> 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			