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ENERGY PLANNING ASSOCIATES

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FHR T5 4 LAMP ENCLOSED HIGH BAY

T5 Enclosed High Bay Fixture

Description

Envirobrite's® Enclosed Recessed T5 4 Lamp Fluorescent High-Bay systems is an excellent fixture for T-Grid high bay applications and have become the number one cost effective option for retrofitting metal halide and high-pressure sodium HID lamps. Envirobrite's® One-For-One (OFO) multi-lamp T5 Enclosed Body FHR Fluorescent High-Bay systems have made retrofitting HID lamps residing within a T-Grid ceiling 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 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 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® One-For-One aluminum reflectors and Enclosed Body FHR 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 imbedded with pem-nuts into the fixture body for added strength and optional wire cage attachments. Each FHR fixture comes with either an acrylic or polycarbonate lenses in either a clear smooth or prismatic design. Knockouts are located it 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® FHR 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. Our One-For-One 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.

Primary Features & Benefits

- Proudly Designed, Made and Assembled in the USA
- Utility rebate friendly throughout the U.S.
- Recessed
- Enhanced Fixture Efficiencies
- Riveted construction for added durability
- Aluminum components generate a rust-free approach to less maintenance and lasting appeal
- 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
- Programmed-start T5HO ballast
- Optional motion / occupancy sensing and photo-cell technology for further savings

Quick, Safe and Labor Efficient Installation

- Toolless ballast access
- 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 T5 lamps. Adding an Envirobrite® approved motion sensor system to your lighting upgrade project will further enhance energy savings and create an even faster payback.

Made in USA

highfive

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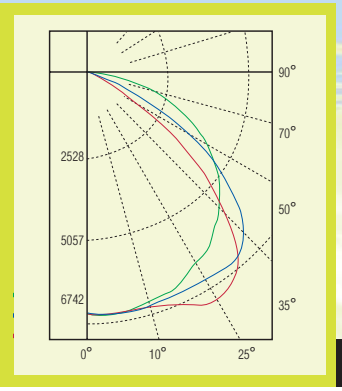
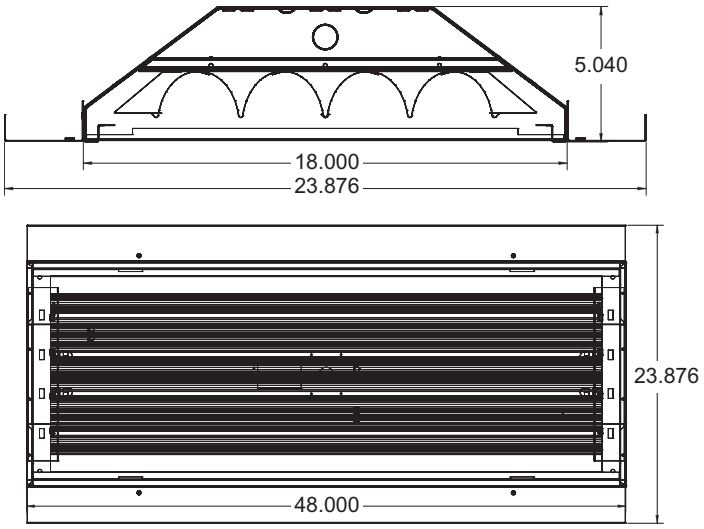


Dimensions



Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	5906	29.5	32.0
0-40	9931	49.7	53.8
0-60	16542	82.7	89.6
0-90	18455	92.3	100.0

Total Luminaire Optical Efficiency = **92.3%**
**specs taken using (FO52404T554ENORB)*

Luminaire Spacing Criterion

0 deg	90 deg
1.36	1.43

Ordering Information

Sample number: **FHR2404T554ENORBVMVTL14H**

FIXTURE

TYPE	DIMENSION	LAMPS	LAMP TYPE	REFLECTOR	FIXTURE OPTICS	VOLTAGE
❍ FHR=FHR Enclosed High Bay	❍ 24=2x4	❍ 04=4 Lamp	❍ T554=54W	❍ EN=95% Enhanced	❍ ORB=Regular Beam	❍ VMVT=120/277
						❍ VHVT=347/480

BALLAST TYPE	BALLAST CONF.	NO. OF BALLASTS	NO. OF LAMPS	BALLAST FACTOR	MOUNTING OPTIONS - Optional	
❍ PS=Programmed Start	❍ L=Single	❍ 1=1 Ballast	❍ 4=4 Lamp	❍ H=High	❍ NF1=Pendant Mounting Kit	❍ NG4=10' Gripple Loop w/Tog
	❍ M=Multi	❍ 2=2 Ballasts			❍ NF2=Pendant Mounting Kit No Hub	❍ NG5=15' Gripple Loop
		❍ 3=3 Ballasts			❍ NF9=Mounting Hook	❍ NG6=5' Gripple Loop
					❍ NF3=Side by Side Mounting	❍ NG7=5' Gripple Loop w/Tog
					❍ NG3=10' Gripple Loop	❍ NG8= 10' Y Toggle Gripple
						❍ NG9= 5' Y Toggle Gripple

OPTIONS

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

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