

## FVT VAPOR TIGHT FIXTURES

4' & 8' Vapor Tight Fixture

### Description

Envirobrite's® UL listed FVT Vapor Tight Fixtures are made of 4' and 8' formed fiberglass housings with a variety of reflectors, T8 or T5 lamp holders, acrylic or polycarbonate lens options sealed tight for either wet or dusty locations. Envirobrite® Aluminum reflectors or ballast covers are included and have long been the preferred material for their thermal properties and ability to illuminate and operate efficiently in high temperature environments. The result is substantial energy savings, improved lighting, and an ideal option for low, medium and high bay applications. In conjunction with numerous ballast and lamp configurations our FVT fixtures can easily produce ideal IES recommended light levels with minimized energy consumption.

### Application

Envirobrite® vapor tight fixtures have been a preferred upgrade to retrofit existing lamps in varying climate conditions whether they are wet, dusty, hot or cold. Excellent for use in parking garages, cold storage, kitchens and wet/damp locations - schools, office spaces, hospitals, and many other commercial locations. The FVT fixtures are National Sanitation Federation approved.

### Design

Envirobrite® FVT fixtures are manufactured for either surface or suspension mounted applications. Our FVT is a flexible approach to any application. Each fixture is manufactured with ample knock outs on both ends of the fixture. All Envirobrite® 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. Integral to ideal fixture functionality is the combination of our manufactured reflectors. Envirobrite® reflectors are fabricated with Energy Planning Associates custom-made multi-stage progressive roll forming machinery. Our unique high speed equipment consistently produces multi-faceted linear fluorescent reflectors within precise quality tolerance. Our process enables us to add additional facets for superior reflector performance significantly reducing production cost and improving lead times. Our rigid bracketing systems are produced with custom designed stamping dies and are very easy to install.

### Primary Features & Benefits

- Proudly Designed, Made and Assembled in the USA
- Considerable reduction in energy costs
- UL Listed
- 1,2,3,4, and 6 lamp options available
- Toolless ballast access
- Easily cleaned
- Aluminum reflectors have excellent thermal properties
- Utility rebate friendly throughout the U.S.
- Significant reduction in maintenance costs
- Optional motion / occupancy sensing and photo-cell technology for further savings

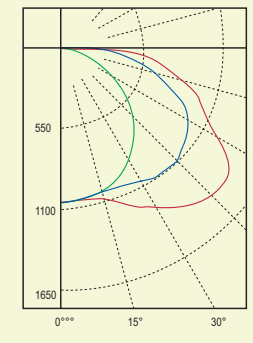
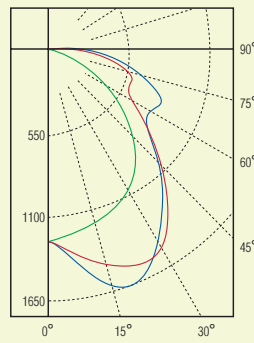
### Quick, Safe and Labor Efficient Installation





- Quarter turn reflectors for easy installation
- Snap-in lamp holders won't fall out during overhead installation
- Tamper resistant latches
- Toolless ballast access for simple maintenance
- Streamlined packaging for easy job site material management

*For added efficiency include high quality T5 or 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.*



# Wattage



<p>4' T8 with Standard Ballast</p>  <p>(1) 4' T8 Lamps (31 input watts) (2) 4' T8 Lamps (59 input watts)</p>	<p>4' T5 with HO Ballast</p>  <p>(1) 4' T5 HO Lamps (61 input watts) (2) 4' T5 HO Lamps (117 input watts)</p>
<p>8' T8 with Standard Ballast</p>  <p>(2) 4' T8 Lamps (59 input watts) (4) 4' T8 Lamps (114 input watts)</p>	<p>8' T5 with HO Ballast</p>  <p>(2) 4' T5 Lamps (117 input watts) (4) 4' T5 Lamps (234 input watts)</p>

0° — Candela Plot  
45° — 4' 2 Lamp T8  
90° —

### Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	1215	20.3	23.9
0-40	2022	33.7	39.7
0-60	3529	58.8	69.4
0-90	4919	81.9	96.6

Total Luminaire Optical Efficiency = **84.8%**  
\*specs taken using 95% MIRO reflector and an acrylic crepe lens

Luminaire Spacing Criterion  
0 deg - **1.3**      90 deg - **1.5**  
Call factory for full photometric report

0° — Candela Plot  
45° — 8' 2 Lamp T8  
90° —

### Zonal Lumen Summary

Zone	Lumens	% Lamp	Fixture
0-30	866	14.4	16.5
0-40	1527	25.4	29.1
0-60	3213	53.5	61.3
0-90	5017	83.6	95.7

Total Luminaire Optical Efficiency = **87.4%**  
\*specs taken using 95% MIRO reflector and an acrylic waffle lens

Luminaire Spacing Criterion  
0 deg - **1.2**      90 deg - **1.9**  
Call factory for full photometric report

### Ordering Information

Sample number: **FVT1404T5554ENVMVTL14HLSTWPA**

### FIXTURE

TYPE	DIMENSION	LAMPS	LAMP TYPE	REFLECTOR	VOLTAGE	BALLAST TYPE
<input type="radio"/> FVT=Vapor Tight	<input type="radio"/> 14=1x4 <input type="radio"/> 18=1x8	<input type="radio"/> 01=1 Lamp <input type="radio"/> 02=2 Lamp <input type="radio"/> 03=3 Lamp <input type="radio"/> 04=4 Lamp <input type="radio"/> 06=6 Lamp	<input type="radio"/> T832=32W <input type="radio"/> T554=54W	<input type="radio"/> EN=95% MIRO 4 Enhanced <input type="radio"/> EA=Enhanced Ballast Cover <input type="radio"/> WN=91% White	<input type="radio"/> VMVT=120/277 <input type="radio"/> VHVT=347/480	<input type="radio"/> IS=Instant Start <input type="radio"/> PS=Programmed Start

BALLAST CONFIGURATION	NO. OF BALLASTS	NO. OF LAMPS	BALLAST FACTOR	LENS		
<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	THICKNESS	APPEARANCE	LENS TYPE
<input type="radio"/> M=Multi	<input type="radio"/> 2=2 Ballasts <input type="radio"/> 3=3 Ballasts <input type="radio"/> 4=4 Ballasts	<input type="radio"/> 3=3 Lamp <input type="radio"/> 4=4 Lamp <input type="radio"/> 6=6 Lamp	<input type="radio"/> S=Standard <input type="radio"/> H=High	<input type="radio"/> LST=Standard	<input type="radio"/> PA=Prismatic ALP <input type="radio"/> PF=Prismatic Paraflex <input type="radio"/> CA=Crepe ALP <input type="radio"/> WP=Waffle Paraflex <input type="radio"/> WA=Trimmed Waffle	<input type="radio"/> P=Polycarbonate <input type="radio"/> A=Acrylic

### OPTIONS

MOUNTING OPTIONS	CORD - Optional			EMERGENCY BALLAST
	CORD	ATTACHED/UN	SPECIALTY	
<input type="radio"/> NG3=10' Gripple Loop	<input type="radio"/> D06=6' Cord	<input type="radio"/> U=Unattached	<input type="radio"/> 1=Cold Temperature <input type="radio"/> 0=None	<input type="radio"/> EII=Iota Pre-wired
<input type="radio"/> NG4=10' Gripple Loop w/Tog	<input type="radio"/> D10=10' Cord		<input type="radio"/> N=No Plug <input type="radio"/> T=Twist Lock Plug <input type="radio"/> P=Standard Plug	
<input type="radio"/> NG5=15' Gripple Loop	<input type="radio"/> D12=12' Cord			
<input type="radio"/> NG6=5' Gripple Loop	<input type="radio"/> D15=15' Cord			
<input type="radio"/> NG7=5' Gripple Loop w/Tog	<input type="radio"/> D20=20' Cord			
<input type="radio"/> NF8=VT Mounting Bracket	<input type="radio"/> D25=25' Cord			

### MOTION SENSOR - Optional

CONTROL TYPE	POWER FEED	APPLICATION	CONFIGURATION
<input type="radio"/> CMSN=Motion Sensor	<input type="radio"/> 1=Single Pole	<input type="radio"/> A=Aisle 10 Degree <input type="radio"/> H=High Bay 360 Degree	<input type="radio"/> QIO=Sensor Inboard/Outboard <input type="radio"/> QSA=Sensor All
<input type="radio"/> CMPU=Motion Sensor with Photcell Facing Up	<input type="radio"/> 2=Two Pole		
<input type="radio"/> CMPD=Motion Sensor with Photcell Facing Down			
<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			