



lay-INS<sup>®</sup>

Tamlite Lighting

PORT SAINT LUCIE, FL USA



LAY-INS FLUORESCENT HIGH BAY SERIES



**HOOR** series  
FLUORESCENT HIGH BAY

- Galvanized & Post Fabrication Powder Coated
- One Piece Construction, Galvanized Steel Uni-Body
- Easy Maintenance
- Available in T5 & T8





**TamLite** Lighting  
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# HOR series

FLUORESCENT HIGH BAY

## DESCRIPTION:

Lay-Ins<sup>®</sup> high bay fixtures are designed to meet your industrial lighting requirements. Available in 4, 6, and 8 lamp, T5 and T8 configurations, with an aluminum high reflectance polished reflector, the Lay-Ins high bay fixture offers maximum performance to serve today's industrial requirements with the benefit of energy savings.

The HOR series High Bay complies with the North America National Standards and is UL listed. This product has many special features that make it unique in today's market.

## CONSTRUCTION:

Our High Bay body is constructed of a one piece uni-body which is 24 gauge commercial USA grade, hot dipped galvanized steel. The added galvanized protection on all steel components along with post fabrication powder coating means that this fixture is highly resistant to rust over its lifetime. All other metal components including lamp bars are also galvanized steel.

PAF (painted after fabrication) for consistent finish, safe handling, and corrosion resistance. All fixtures come with factory installed power disconnect. All fixtures are 100% tested at the factory.

## FINISH:

The HOR series is finished with "TamLite White" thermoset powder coating. The powder coating is processed post fabrication and is applied electrostatically, which provides a better protection for the steel as well as better protection while handling the fixture by eliminating sharp corners and open edges.

## REFLECTOR:

All standard HOR Series are fitted with full specular aluminum reflectors of ≥94

## PHOTOMETRICS<sup>1</sup>:

Light output performance is calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Full photometric data on these and other configurations available upon request. This light fixture was sent to an independent testing house for all photometric testing.

<sup>1</sup> Full Photometric Data Available Upon Request

<sup>3</sup> More Options Available

## WARRANTY INFORMATION

Guaranteed one year from the purchase date of the product, against mechanical defects in manufacturing.  
\*\*\* SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE\*\*\*



OPEN

## LISTING:

Fixtures are UL Listed and suitable for damp locations.

## GREEN FRIENDLY:

T5 options are available that increase light output while decreasing power consumptions.

## WIRE GUARD & FRAMED LENS OPTION <sup>2</sup>:

Optional Wire Guards or Framed Lenses are sold separately and are not shipped installed.

HOR Series Wire Guards for fluorescent lamps are constructed of 11 gauge tempered steel wire, resistance welded in a standard 2.0" x 2.5 rectangular grid pattern with standard lengths of 48". Wire Guards attach to the fixtures using specially designed "P" clips which allow hinging from either side. Standard Wire Guards have a white powder coat finish which is moisture resistant.

HOR Series Framed Lenses are designed to overlap the body on all sides. Our Framed Lens is a four-piece frame that hinges on one side and is latched on the opposite side. The material grade of the standard lens is Acrylite with a light transmission of 92% and a refractive index of 1.49. The lens flammability rating meets UL 94 HB.

Lenses available for order <sup>3</sup>

LC1: S80 Clear Smooth Acrylic .095 thick  
LC2: S80 Clear Smooth Acrylic .125 thick  
LP2: P12 Clear Prismatic Acrylic .125 thick  
LL1: Lexan

Standard S80 Clear Smooth Acrylic .095 thick

## ELECTRICAL SYSTEM:

T8 Ballast Information:

Standard ballast is electronic instant start, thermally protected, resetting, Class P, non-PCB, UL listed, and sound rated A.

T5 Ballast Information:

Standard ballast is electronic program start, thermally protected, resetting, Class P, non-PCB, UL listed, and sound rated A.

## CONFIGURATION OPTION <sup>3</sup>:

- Dual switching
- Occupational Sensors
- Cord sets
  - Flexible Whip
  - NEMA 515 Straight
  - NEMA L515 Twist Lock
  - NEMA L517 Twist Lock

## BALLAST OPTIONS <sup>3</sup>:

Emergency  
Instant Start  
Program Start  
Dimming  
Mark 7  
Mark 10  
Low Power Factor  
High Power Factor  
CEE Compliant  
DALI

Note: For T8 the standard product is supplied with instant start. For T5 the standard product is supplied with program start. Consult factory for options.



Specification Sheet

## High Bay Occupancy Sensor

Passive Infrared Fixture Mount High Bay Occupancy Sensors are designed simply to automatically turn lights ON or OFF. The high bay sensors maximizes energy savings, incorporating false detection algorithms to eliminate false ON's by nuisance tripping or background environmental conditions.

The High Bay Occupancy Sensors are for use in spaces where ceiling heights can vary from 8 to 40 feet, such as warehouses, manufacturing facilities, production, industrial area, and all other high ceiling applications. It comes with three interchangeable lenses for use in a 360° high-bay general area or an aisle way. The High Bay Occupancy Sensors provides reliable coverage up to 40 ft. mounting heights.

Fast, easy time delay settings can be set at any time without requiring power to the sensor. Time delay is variable from 30 seconds to 20 minutes.

## OCCUPANCY SENSORS

# bayHNS®



**OC SENSOR OPTION**  
for 40' Aisle



**WHITE LENS OPTION**  
for Highbay at 40'



**BLUE LENS OPTION**  
for Highbay at 25'



**OC2 SENSOR OPTION**  
for High View



**LENS OPTION**  
for Low View

## Suspension Options



**GRIPPLER**



**S CHAIN**



**V HOOK**



**PENDANT\***

\* Special order - Consult factory



FLUORESCENT HIGHBAY SERIES - **PART MATRIX** SAMPLE PART CODE: HORT5654MVL

<b>HOR</b>	<b>T5</b>	<b>6</b>	<b>54</b>	<b>MV</b>	<b>L</b>	<b>B1</b>
<b>SERIES</b>	<b>LAMP TYPE</b>	<b>LAMP CONFIGURATIONS</b>	<b>WATTAGE</b>	<b>BALLAST TYPE</b>	<b>LAMPS</b>	<b>OPTIONS</b>
<b>HOR</b>	<b>T5</b> <b>T8</b>	<b>4:</b> 4 Lamps <b>6:</b> 6 Lamps <b>8:</b> 8 Lamps	<b>28:</b> 28W (T8) <b>32:</b> 32W (T8) <b>54:</b> 54W (T5)	<b>MV:</b> 120-277V <b>Z:</b> 480V	<b>BLANK:</b> No Lamps <b>L:</b> Include Lamps* (Standard T5-841K)	<b>BLANK:</b> No options <b>W1:</b> 6' Flex (one circuit) <b>W2:</b> 6' Flex (two circuit) <b>B1:</b> Emerg. 500 lumens 1 lamp <b>B2:</b> Emerg. 1400 lumens 1 lamp <b>B3:</b> Emerg. 1400 lumens 2 lamps <b>R:</b> Specular aluminum back reflector <b>F:</b> Fused <b>OC:</b> Sensor 40' Aisle <b>OC2:</b> Sensor High View *Factory Installed

## FLUORESCENT HIGHBAY SERIES - ACCESSORIES

**Cable Hangers** Part number is for one single hanger.

**HB HANGER 10FT** CABLE HANGER WITH Y END 10'

**HB HANGER 15FT** CABLE HANGER WITH Y END 15'

**HB HANGER 20FT** CABLE HANGER WITH Y END 20'

**HB-4L-VHANGER** 4L HIGHBAY "V" HANGER

**HB-6L-VHANGER** 6L HIGHBAY "V" HANGER

**Occupancy Sensor** Please check details of sensor before ordering.

**OCSSENSOR OC** Sensor 40' Aisle

**OCSSENSOR OC2** Sensor High View

## Wire Guard

SAMPLE PART CODE: HB-DF-6LC1

<b>SERIES</b>	<b>LAMP QTY</b>	<b>FINISH</b>
<b>HBT5:</b> High Bay Wire Guard	<b>4:</b> 4 Lamp <b>6:</b> 6 Lamp <b>8:</b> 8 Lamp	<b>WG:</b> White

## Door Frame

SAMPLE PART CODE: HBT5-646WG

<b>SERIES</b>	<b>LAMP QTY</b>	<b>LENS</b>
<b>HB-DF:</b> High Bay Door Frame	<b>4:</b> 4 Lamp <b>6:</b> 6 Lamp	<b>LC1:</b> S80 Clear Smooth Acrylic .095 thick <b>LC2:</b> S80 Clear Smooth Acrylic .125 thick <b>LP1:</b> P12 Clear Prismatic Acrylic .095 thick <b>LP2:</b> P12 Clear Prismatic Acrylic .125 thick <b>LP3:</b> P12 Clear Prismatic Acrylic .156 thick <b>LL1:</b> Lexan .117 thick



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**DOOR FRAME FEATURE (10)**

**High Bay Reflector/Lamp Bar Assembly**

The lamp bars and reflector act as a gear cover and hinges from the left or the right side. This allows for an easy 2 screw entry for maintenance or ballast replacement. The HOR series is designed to allow easy removal or installation of any lamp in the fixture, without the removal of the gear cover or other lamps.



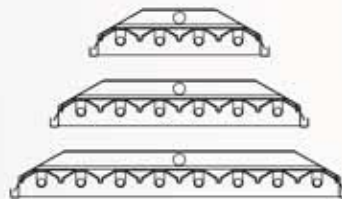
**4 LAMP**

**6 LAMP**

**8 LAMP**

1. **One Piece Construction** - The formed body is made from one piece of steel, thus giving it added structural strength, a continuous earth bond and less fixing points
2. **Galvanized Steel** - Both the main body and all metal components are made from hot dipped galvanized steel
3. **Powder Coat** - Both the main body and all metal components are post fabrication powder coated (PAF)
4. **Made in the USA & Buy American** - This series of products meet the Made in USA and the Buy American Act requirements
5. **100% Tested** - Every fixture produced at Tamlite Lay-Ins is fully tested prior to shipping (fixtures sold without lamps are also fully tested with lamps)
6. **No Sharp Corners or Edges** - All corners on this product are chamfered and powder coated to protect from injury during installation
7. **Only Top Quality Ballast** - Only top tier ballast manufacturers used
8. **Full Specular Reflector** - Full specular reflector maximizes light output
9. **Full Photometrics Available** - Upon request, full photometric data can be supplied
10. **Optional Door Frame Removable Lens** - Optional Door Frame lens can be easily removed and replaced with a screwdriver
11. **Door Frame Reversible** - The door frame can be easily rotated to open in the opposite direction
12. **Hinged Reflector Assembly** - Hinged Reflector is assembled to lamp bracket which easily hinges open with removal of two screws for maintenance
13. **Product Identification** - All Tamlite Lay-Ins products are identified with part numbers on both carton and under the ballast cover

**LAMP CONFIGURATIONS**



**Accessories**



**OCCUPANCY SENSOR**



**GRIPPLER**



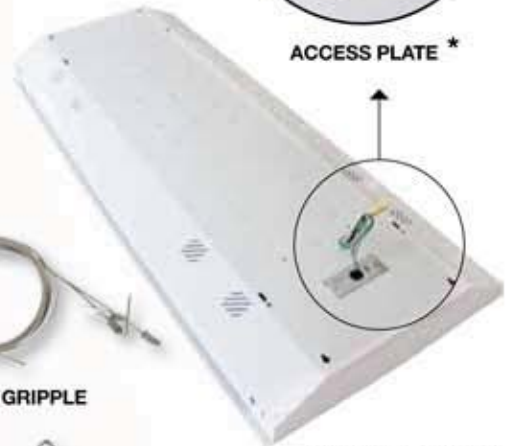
**6 LAMP V HOOK**



**4 LAMP HOOK**



**ACCESS PLATE \***



**TOP VIEW OF BODY**

\* Not required for pendant mount



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