

*economy* Nu-Bay



**NULITE™**

# Saving Energy and the Environment



Help the environment by using energy efficient, low mercury, linear fluorescent lamps. The more energy we save, the less stress we put on the environment. Remember... Green is in!



Actual size of T5 lamp

## Why Fluorescent?

There are many advantages to using fluorescent over traditional HID sources. Fluorescent lamps have a rated life between 25,000 to 35,000 hours compared to 10,000 to 20,000 for HID lamps. Fluorescent sources maintain lamp lumens much better than traditional HID sources, hence fluorescent fixtures will provide a better maintained illumination over time. In addition, multi-lamp fluorescent high bay luminaires reduce the need for maintenance. When a lamp fails, the other lamps will still provide illumination.



Fluorescent T5HO Layout



HPS Layout

## Saving Energy

The Nulite *economy* Nu-Bay can significantly save energy compared to traditional HID high bay applications.

Comparison of fluorescent vs. traditional HID

<i>economy</i> Nu-Bay	<i>economy</i> Nu-Bay	<i>economy</i> Nu-Bay	HID High Bay
6 x 54W T5HO	4 x 54W T5HO	6 x 32W T8	1 x 400W MH
28,500 design lumens	19,000 design lumens	16,800 design lumens	24,000 mean lumens
355 Watts per unit	240 Watts per unit	185 Watts per unit	460 Watts per unit
<b>Save 105W per unit</b>	<b>Save 220W per unit</b>	<b>Save 275W per unit</b>	

Data will vary with lamp and ballast combinations.

## Warehouse Lighting Cost Case Study

Data (Dimensions: 150' x 100' x 30')	MH High-Bay	ETH-632T8	ETH-454T5HO	Savings for 632T8 / 454T5HO
400W MH initial lamp lumens	35,000			
32W T8 initial lamp lumens		2,950		
54W T5HO initial lamp lumens			5,000	
Number of lamps per luminaire	1	6	4	
Initial luminaire lumens	35,000	17,700	20,000	
Light Loss Factor (LLF)	0.6	0.8	0.8	
Watts per luminaire	460	185	240	
Annual operating hours	3,120	3,120	3,120	
Number of luminaires	20	20	20	
Total Watts	9,200	3,700	4,800	
Avg. footcandles @ floor	26 fc (maintained)	20 fc (maintained)	23 fc (maintained)	
Annual Energy Cost @ \$0.075 / kwh	\$2,152.80	\$865.80	\$1,123.20	
Annual Energy Cost @ \$0.10 / kwh	\$2,870.40	\$1,154.40	\$1,497.60	\$1,716.00 / \$1,372.80
Annual Energy Cost @ \$0.125 / kwh	\$3,588.00	\$1,443.00	\$1,872.00	\$2,145.00 / \$1,716.00
Annual Energy Cost @ \$0.15 / kwh	\$4,305.60	\$1,731.60	\$2,246.40	\$2,574.00 / \$2,059.20

Data will vary with lamp and ballast combinations and environment conditions.

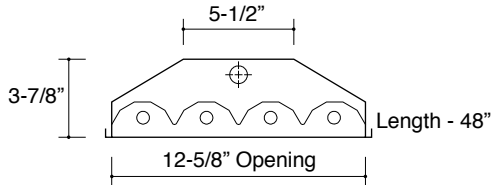
### More Savings!

Most utility companies offer rebates for installing energy efficient lighting systems. Please contact your local utility company for more information on rebate programs.

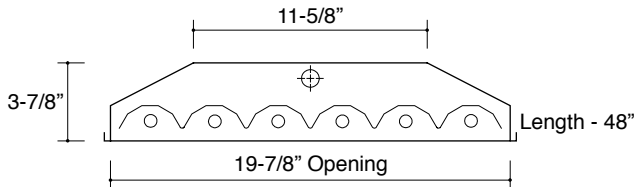




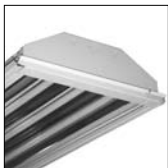
### 3 or 4-Lamp End View



### 5 or 6-Lamp End View



Door Frame / Clear Lens



## Ordering Information

Sample: ETH-654T5HO-UNV-PSN-CL-3C

Series	Lamp	Wattage	Voltage	Ballast	Options	Mounting	
ETH	3	28T5	UNV	T8 Options	Ballast Factor	EM <sup>2</sup> Emergency Battery Pack CL Door Frame / Clear Lens MLS Multi-level Switching A12 Door Frame / A12 Acrylic Prismatic Lens SJT/6 6' SJT Cord DL Damp Location WG Wireguard CP3/6 (NEMA) 6' SJT Cord - (NEMA Plug Designation) ie. CP3/6 (L7-20) OS <sup>3</sup> Occupancy Sensor PC Photocell HCP Hook / Cord / Plug GLR Fusing	
				IS (Standard)	N Normal		
	4	54T5HO	120	PS	L Low		
	5	32T8	277	HEIS	H High		
	6		347 <sup>1</sup>	HEPS	T5/T5HO		Ballast Factor
					PS (Standard)		N Normal
			480 <sup>1</sup>	HEPS <sup>1</sup>	All Lamp Dimming Options		
				DIM <sup>1</sup> Dimming			
				SD <sup>1</sup> Step Dimming			
				IS=Instant Start			
			PS=Program Start				
			HEIS=High Efficiency Instant Start				
			HEPS=High Efficiency Program Start				

**Notes:**

1. Consult factory.
2. Specific voltage must be ordered for this option
3. Specify sensor distribution - 1, 2, 3 or 4. Default is 3 "OS3" 360°. Refer to technical page for distributions.

Project Name:

Type:

Date:

Catalog #:

## Description:

The Nulite ETH series fluorescent high-bay is an ideal cost-effective lighting solution for warehouses, manufacturing plants, sports facilities and large retail environments.

## Specifications:

**Construction:** Die formed, full bodied, cold rolled steel housing with white enamel finish. Optional white polyester powder coated wireguard attaches with clips for easy lamp maintenance.

**Diffuser:** Optional door frame with acrylic clear lens or A12 prismatic lens.

**Reflector / Ballast:** Precision formed Miro<sup>®</sup> 4 anodized aluminum reflector for maximum light output. Standard electronic, Class P, ballast. Universal (UNV) voltage ballast is from 120 to 277V.

**Lamping:** 3, 4, 5 or 6 lamp T5, T5HO or T8. Luminaire can be ordered with lamps, consult factory. Rotary sockets are standard.

**Mounting:** Surface or Suspended.

**Labels:** UL / cUL listed. Damp location is optional.