



# LED HIGH BAY SERIES



## TiHO - HB4

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### Key Features & Benefits:

#### Intended Use

The ESL TiHB series is the perfect LED replacement fixture for HID and fluorescent high bay systems in retail and industrial spaces. Featuring over 140 lumens per watt, exceptional color rendering, ultra-long life and instant on/off illumination.

#### Construction

Housing is made from 22 gauge pre-painted steel. Air vents surround the driver and Ti's in the back of the fixture to maximize performance, reliability and life. Access plate in the back makes wiring fast and hassle-free. Back of fixture is designed with built-in mounting holes for tong hanger, cable kit and surface mount. Multiple KO's make for extremely easy installation.

#### Adder Options

Multiple adder options are available including: Emergency Backup, Lens Options, Wire Guards, Mounting Options, Photocell and Occupancy Sensors, Cords and Flexible Conduit. Please contact factory for High Bay Adder sheet.

Project: \_\_\_\_\_

Date: \_\_\_\_\_

Catalog #: \_\_\_\_\_

Notes: \_\_\_\_\_



### Electrical Data:

#### Light Specifications:

Lumen Output: Up to 16,020 Lumens  
Efficacy (lm/W): Up to 130 Lumens per Watt  
Kelvin: 4000K, 5000K  
Color Rendering Index (CRI): >82  
Rated Life: > 80,000 hrs

#### Driver Data:

Input Voltage: 120-277 VAC  
Input Power: 120W  
Input Current @ 120V: 1.0 Amps  
Input Current @ 240V: 0.5 Amps  
Input Current @ 277V: 0.43 Amps  
Total Harmonic Distortion (THD): <10%  
Power Factor: >0.99  
Operating Temperature: -4 ~ 122°F

### Catalog Data:

ITEM#	WATTS	LUMEN OUTPUT	EFFICACY (lm/W)	KELVIN
ESL-TIHO-HB4-S-120W-F40	120W	14,320	118	4000K
ESL-TIHO-HB4-S-120W-F50	120W	14,600	120	5000K
ESL-TIHO-HB4-P-120W-F40	120W	15,337	126	4000K
ESL-TIHO-HB4-P-120W-F50	120W	16,020	130	5000K

\*Made in the USA option available upon request

### Ordering Guide:

<b>ESL</b>	-	<b>TiHO</b>	-	<b>HB4</b>	-	<b>ESL</b>	-	<b>120W</b>	-	<b>F</b>	-		-	
ESL		TYPE		SERIES		LISTING		WATTS		LENS		KELVIN		OPTIONS
		TiHO Series		HB4 (High Bay 4)		S P		120W (120 Watts)		F (Frosted)		40 (4000 Kelvin) 50 (5000 Kelvin)		

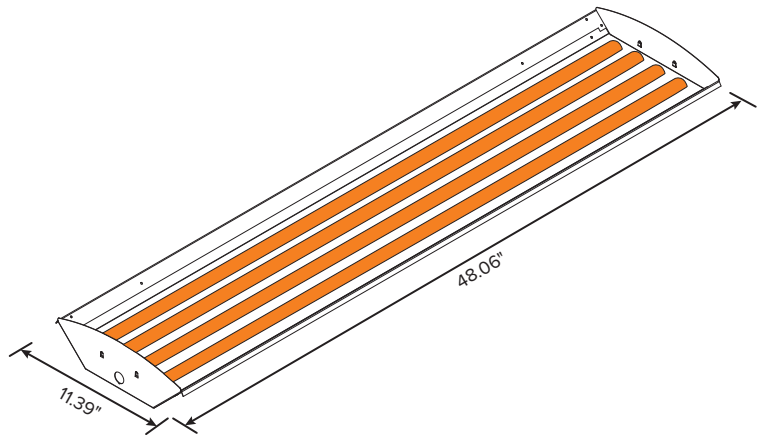
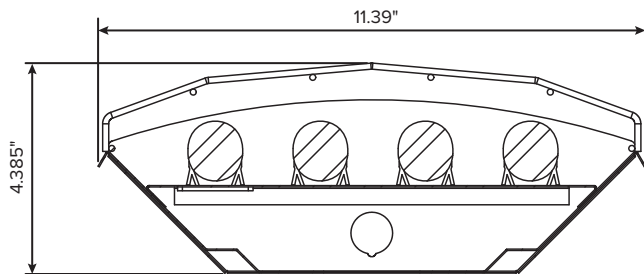
Example Part Number: **ESL-TIHO-HB4-P-120W-F40**

### Options (Add as Suffix):

ESL-EMG-2DC-9W	External Emergency Backup, External Battery
ESL-EMG-4DC-9W	External Emergency Backup
ESL-1OCC-HDO	Standard High Bay Sensor with Dip Switch Setting, On/Off Control
ESL-2OCC-HDD	Microwave High Bay Sensor with Dip Switch, 0-10v Dimmable
ESL-CS3W-6*	Cord Set, White, 3 wire, 6 foot
ESL-CS3W-6P*	Cord Set, White, 3 wire, 6 foot, Standard Plug
ESL-CS3W-6TL*	Cord Set, White, 3 wire, 6 foot, Twist lock Plug
ESL-CS3W-12*	Cord Set, White, 3 wire, 12 foot
ESL-CS3W-12P*	Cord Set, White, 3 wire, 12 foot, Standard Plug
ESL-CS3W-12TL*	Cord Set, White, 3 wire, 12 foot, Twist lock Plug
ESL-HB345-WG-01	Wiregurad for the HB3, HB4 and HB5 Fixtures
ESL-LEN345-01	Lens for the HB3, HB4 and HB5 Fixtures
ESL-VH01	V-Hangers sets
ESL-JC01	Jack Chain - per foot
ESL-HB-PM01	Pendant Mounting
ESL-SPD-277-1	Hard Wire Surge Protector; 100-277V
ESL-480V-SD01	480 Volt Step Down Transformer
ESL-REM-100	Hand Held Remote to Program ESL-2OCC-HDD

\*Other lengths and black cord available upon request

### Dimensions:





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## System Performance Table

### 11,000 TO 16,000 LUMENS

ESL VISION Ti COMPARISONS	FIXTURE TYPE	FIXTURE LUMENS	FIXTURE WATTAGE	LUMENS PER WATT	*ANNUAL RUN TIME COST	LIFETIME	WARRANTY
STANDARD Ti SERIES	ESL-TiHO-HB3-S-90W-F50	11,700	90	130	\$88.70	80,000 hrs	10 year
	ESL-TiHO-HB4-S-120W-F50	15,600	120	130	\$106.43	80,000 hrs	10 year
PREMIUM Ti SERIES	ESL-TiHO-HB3-P-90W-F50	12,870	90	143	\$106.43	80,000 hrs	10 year
COMPARISON SYSTEM	T5HO 54 WATT 3 LAMP	13,113	182	72	\$179.36	24,000 hrs	3 year
	250W METAL HALIDE HB	13,455	295	46	\$290.72	24,000 hrs	3 year

### 16,000 TO 23,000 LUMENS

ESL VISION Ti COMPARISONS	FIXTURE TYPE	FIXTURE LUMENS	FIXTURE WATTAGE	LUMENS PER WATT	*ANNUAL RUN TIME COST	LIFETIME	WARRANTY
STANDARD Ti SERIES	ESL-TiHO-HB4-S-120W-F50	15,600	120	130	\$141.91	80,000 hrs	10 year
	ESL-TiHO-HB5-S-150W-F50	19,500	150	130	\$177.39	80,000 hrs	10 year
PREMIUM Ti SERIES	ESL-TiHO-HB4-P-120W-F50	17,160	120	143	\$118.26	80,000 hrs	10 year
	ESL-TiHO-HB5-P-150W-F50	21,450	150	143	\$141.91	80,000 hrs	10 year
COMPARISON SYSTEM	T5HO 54 WATT 4 LAMP	17,670	240	74	\$236.52	24,000 hrs	3 year
	T8 32 WATT 6 LAMP	19,600	222	88	\$218.78	24,000 hrs	3 year
	250W HIGH PRESSURE SODIUM	18,954	300	63	\$295.65	24,000 hrs	3 year
	400W METAL HALIDE HB	21,060	455	46	\$448.40	24,000 hrs	3 year

### 23,000 TO 31,000 LUMENS

ESL VISION Ti COMPARISONS	FIXTURE TYPE	FIXTURE LUMENS	FIXTURE WATTAGE	LUMENS PER WATT	*ANNUAL RUN TIME COST	LIFETIME	WARRANTY
STANDARD Ti SERIES	ESL-TiHO-HB6-S-180W-F50	23,400	180	130	\$177.39	80,000 hrs	10 year
	ESL-TiHO-HB6-S-210W-F50	27,300	210	143	\$212.87	80,000 hrs	10 year
PREMIUM Ti SERIES	ESL-TiHO-HB6-P-180W-F50	25,740	180	143	\$177.39	80,000 hrs	10 year
	ESL-TiHO-HB8-S-210W-F50	30,030	210	143	\$236.52	80,000 hrs	10 year
COMPARISON SYSTEM	T8 32 WATT 8 LAMP	24,757	370	67	\$364.64	24,000 hrs	3 year
	T5HO 54 WATT 6 LAMP	28,227	360	78	\$354.78	24,000 hrs	3 year

### 31,000 LUMENS AND UP

ESL VISION Ti COMPARISONS	FIXTURE TYPE	FIXTURE LUMENS	FIXTURE WATTAGE	LUMENS PER WATT	*ANNUAL RUN TIME COST	LIFETIME	WARRANTY
STANDARD Ti SERIES	ESL-TiHO-HB8-P-240W-F50	31,200	240	130	\$212.87	80,000 hrs	10 year
	ESL-TiHO-HB9-P-270W-F50	35,100	270	130	\$236.52	80,000 hrs	10 year
	ESL-TiHO-HB10-P-300W-F50	39,900	300	130	\$283.82	80,000 hrs	10 year
PREMIUM Ti SERIES	ESL-TiHO-HB8-P-240W-F50	34,320	240	143	\$212.87	80,000 hrs	10 year
	ESL-TiHO-HB9-P-270W-F50	38,610	270	143	\$236.52	80,000 hrs	10 year
	ESL-TiHO-HB10-P-300W-F50	42,900	300	143	\$283.82	80,000 hrs	10 year
COMPARISON SYSTEM	1000W METAL HALIDE HB	34,650	1085	32	\$1,069.27	24,000 hrs	3 year
	T5HO 54 WATT 8 LAMP	35,344	480	74	\$473.04	24,000 hrs	3 year
	T5HO 54 WATT 10 LAMP	43,710	600	73	\$591.30	24,000 hrs	3 year

\*Based upon operating 6,570 hours per year at a cost of \$0.15 per kWh. Your actual savings may vary depending on the energy costs in your geographic location.