

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 12,685 Lumens

Efficacy (lm/W):

- Standard 4000K: 126 lm/W
- Standard 5000K: 131 lm/W
- Premium 4000K: 143 lm/W
- Premium 5000K: 147 lm/W

Kelvin: 4000K, 5000K

Color Rendering Index (CRI): >82

Rated Life: > 80,000 hrs

Driver Data:

Input Voltage: 100-277 VAC

Input Power: 90W

Input Current @ 120V: 0.750 Amps

Input Current @ 240V: 0.375 Amps

Input Current @ 277V: 0.324 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	DLC QPL CODE
ESL-TIHO-HB3-S-90W-F40	90W	11,445	126	4000K	PGBYSTEF
ESL-TIHO-HB3-S-90W-F50	90W	11,630	131	5000K	PCGDBGVI
ESL-TIHO-HB3-P-90W-F40	90W	12,440	143	4000K	PPZ14VTJ
ESL-TIHO-HB3-P-90W-F50	90W	12,685	147	5000K	PKQFBMXD

* Made in the USA option available upon request

Not All Part Numbers DLC Qualified. For a Complete Listing Please Consult the DLC Qualified Products List (QPL).

Copyright © 2018 ESL Vision, LLC. All rights reserved. Rev. 08/23/2018

Ordering Guide:

ESL	-	TiHO	-	HB3	-	90W	-	F	-			
ESL		TYPE		SERIES		LISTING		WATTS		LENS	KELVIN	OPTIONS
		TiHO Series		HB3 (High Bay 3)		S P		90W (90 Watts)		F (Frosted)	40 (4000 Kelvin) 50 (5000 Kelvin)	

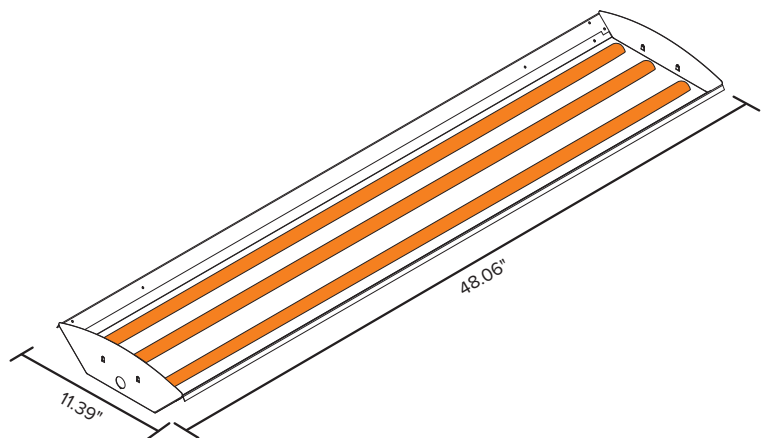
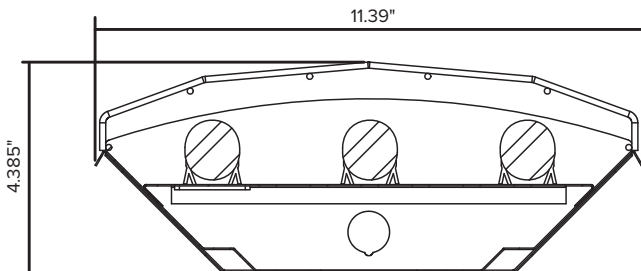
Example Part Number: **ESL-TiHO-HB3-P-90W-F40**

Options (Add as Suffix):

- | | |
|-----------------|--|
| ESL-EMG-2DC-9W | External Emergency Backup, External Battery |
| ESL-EMG-4DC-9W | External Emergency Backup |
| ESL-EMG-FDC-30W | Internal 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 | Wireguard for the HB3, HB4 and HB5 Fixtures |
| ESL-LEN345-01 | Len 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:



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.

LOW BAY SERIES



	STANDARD				
	SERIES	PART NUMBER	WATTS	(lm/W)	TOTAL LUMENS
PREMIUM	Ti LB2	ESL-Ti-LB2-S-44W-F30	44	130	5,576
	Ti LB2	ESL-Ti-LB2-S-44W-F35	44	129	5,633
	Ti LB2	ESL-Ti-LB2-S-44W-F40	44	131	5,690
	Ti LB2	ESL-Ti-LB2-S-44W-F50	44	132	5,672
	TIHO LB2	ESL-TIHO-LB2-S-60W-F40	60	118	7,192
	TIHO LB2	ESL-TIHO-LB2-S-60W-F50	60	120	7,336
	Ti LB2	ESL-Ti-LB2-P-36W-F30	36	141	4,525
	Ti LB2	ESL-Ti-LB2-P-36W-F35	36	141	4,613
	Ti LB2	ESL-Ti-LB2-P-36W-F40	36	142	4,650
	Ti LB2	ESL-Ti-LB2-P-36W-F50	36	144	4,725
Ti LB2	ESL-Ti-LB2-S-44W-F30	44	130	5,576	
Ti LB2	ESL-Ti-LB2-S-44W-F35	44	129	5,633	
Ti LB2	ESL-Ti-LB2-S-44W-F40	44	131	5,690	
Ti LB2	ESL-Ti-LB2-S-44W-F50	44	132	5,672	
TIHO LB2	ESL-TIHO-LB2-P-60W-F40	60	130	7,800	
TIHO LB2	ESL-TIHO-LB2-P-60W-F50	60	143	8,580	

HIGH BAY SERIES

OUTPUT - 3 | 4 | 5



	STANDARD				
	SERIES	PART NUMBER	WATTS	(lm/W)	TOTAL LUMENS
PREMIUM	TIHO-HB3	ESL-TIHO-HB3-S-90W-F40	90	126	11,445
	TIHO-HB3	ESL-TIHO-HB3-S-90W-F50	90	131	11,630
	TIHO-HB4	ESL-TIHO-HB4-S-120W-F40	120	118	14,320
	TIHO-HB4	ESL-TIHO-HB4-S-120W-F50	120	120	14,600
	TIHO-HB5	ESL-TIHO-HB5-S-150W-F40	150	124	18,600
	TIHO-HB5	ESL-TIHO-HB5-S-150W-F50	150	127	18,870
	TIHO-HB3	ESL-TIHO-HB3-P-90W-F40	90	143	12,440
	TIHO-HB3	ESL-TIHO-HB3-P-90W-F50	90	147	12,685
	TIHO-HB4	ESL-TIHO-HB4-P-120W-F40	120	126	15,337
	TIHO-HB4	ESL-TIHO-HB4-P-120W-F50	120	130	16,020
TIHO-HB5	ESL-TIHO-HB5-P-150W-F40	150	142	20,490	
TIHO-HB5	ESL-TIHO-HB5-P-150W-F50	150	145	20,915	

HIGH BAY SERIES

OUTPUT - 6 | 7



	STANDARD				
	SERIES	PART NUMBER	WATTS	(lm/W)	TOTAL LUMENS
PREMIUM	TIHO-HB6	ESL-TIHO-HB6-S-180W-F40	180	114	21,398
	TIHO-HB6	ESL-TIHO-HB6-S-180W-F50	180	116	21,842
	TIHO-HB7	ESL-TIHO-HB7-S-210W-F40	210	123	26,010
	TIHO-HB7	ESL-TIHO-HB7-S-210W-F50	210	125	26,330
	TIHO-HB6	ESL-TIHO-HB6-P-180W-F40	180	124	23,411
	TIHO-HB6	ESL-TIHO-HB6-P-180W-F50	180	127	24,010
	TIHO-HB7	ESL-TIHO-HB7-P-210W-F40	210	140	28,825
	TIHO-HB7	ESL-TIHO-HB7-P-210W-F50	210	141	29,015

HIGH BAY SERIES

OUTPUT - 8 | 9 | 10



	STANDARD				
	SERIES	PART NUMBER	WATTS	(lm/W)	TOTAL LUMENS
PREMIUM	TIHO-HB8	ESL-TIHO-HB8-S-240W-F40	240	123	29,520
	TIHO-HB8	ESL-TIHO-HB8-S-240W-F50	240	130	31,200
	TIHO-HB9	ESL-TIHO-HB9-S-270W-F40	270	123	33,210
	TIHO-HB9	ESL-TIHO-HB9-S-270W-F50	270	130	35,100
	TIHO-HB10	ESL-TIHO-HB10-S-300W-F40	300	123	36,900
	TIHO-HB10	ESL-TIHO-HB10-S-300W-F50	300	130	39,000
	TIHO-HB8	ESL-TIHO-HB8-P-240W-F40	240	138	33,120
	TIHO-HB8	ESL-TIHO-HB8-P-240W-F50	240	143	34,320
	TIHO-HB9	ESL-TIHO-HB9-P-270W-F40	270	138	37,260
	TIHO-HB9	ESL-TIHO-HB9-P-270W-F50	270	143	38,610
TIHO-HB10	ESL-TIHO-HB10-P-300W-F40	300	138	41,400	
TIHO-HB10	ESL-TIHO-HB10-P-300W-F50	300	143	42,900	