



Select Series Linear High Bay

Product Specifications



The Select Series Linear High Bay by TCP is a versatile solution for endless applications. With an all-metal frame and included mounting hardware, the HB by TCP is quick to install and will provide a long-lasting, durable light source for years to come.

Reasons to choose the Select Series Linear High Bay from TCP

- Steel frame with no scalloping, pop riveted, and rounded-edge corners
- Frosted lens standard to eliminate glare
- Smooth, even lighting without shadows
- Wide beam spread due to angled LED design providing clean cutoff
- Includes 6 foot power cord
- 50,000 hour rated life
- 0-10V smooth dimming Includes V-brackets and 6-ft hanging chain
- Damp location rated

Ideal Applications

- High ceiling locations
- Commercial settings
- Industrial settings
- Retail settings
- Warehouses



Select Series Linear High Bay

Specifications

Input Line Voltage	120-277 VAC
Input Line Frequency (Hz)	50/60Hz
Surge Protection	6kV
Wattage	
SW3	160/120/81W
SW4	210/160/120W
SW6	240/210/160W
SW7	320/240/210W
Lumens	
SW3	26,500/19,800/14,025L
SW4	32,000/26,500/19,800L
SW6	40,500/32,000/26,500L
SW7	
Lumens per Watt (LPW).....	>130 LPW
Rated Life	50,000 hours
Minimum Starting Temperature	-20°C
Maximum Operating Temperature	50°C
CRI	>80
Power Factor	>90%
THD	<20%
Ratings	UL/cUL damp location rated
Controls	0-10V dimming (standard)



Listings

RoHS Compliant

Warranty

Five year limited warranty against defects in manufacturing.

Applications

The Select Series Linear High Bay by TCP is a versatile solution for endless applications. With an all-metal frame and included mounting hardware, the HB by TCP is quick to install and will provide a long-lasting, durable light source for years to come. Best for use in high ceiling locations in commercial, industrial, retail, or warehouse settings.

Features

- Post painted steel frame with no scalloping, pop riveted, and rounded-edge corners
- Frosted lens standard to eliminate glare
- No shadows for smooth, even lighting
- Damp location rated
- 250W or 400W HID equivalent
- Wide beam spread

Hardware Included

- 2 Tong Hangers
- 5' Jack Chains
- 6-Foot Prewired Cord

Catalog Ordering Matrix

Example: HB2UZDSW6CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE ¹ (LUMEN PACKAGES ²)	COLOR TEMPERATURE	FACTORY INSTALLED OPTIONS	SENSOR OPTIONS
HB – HB Series Linear High Bay	2 – 2 Feet	U – 120-277V H – 347/480V	ZD – 0-10V Dimming	SW3 – 160/120/81W (26,500/19,800/14,025L) SW4 – 210/160/120W (32,000/26,500/19,800L) SW6 – 240/210/160W (40,500/32,000/26,500L)	CCT – 4000K/5000K Selectable	Blank – No Sensor EB – Battery Backup	Blank – No Sensor LS1 – PIR Motion Sensor LS1D – PIR Motion/ Daylight Sensor IS – Integrated Sensor NLS – Network Lighting Control ³
	4 – 4 Feet	U – 120-277V H – 347/480V	ZD – 0-10V Dimming	SW7 – 320/240/210W (51,200/44,800/40,500L)			

¹ Actual wattage may differ by +/- 10%.

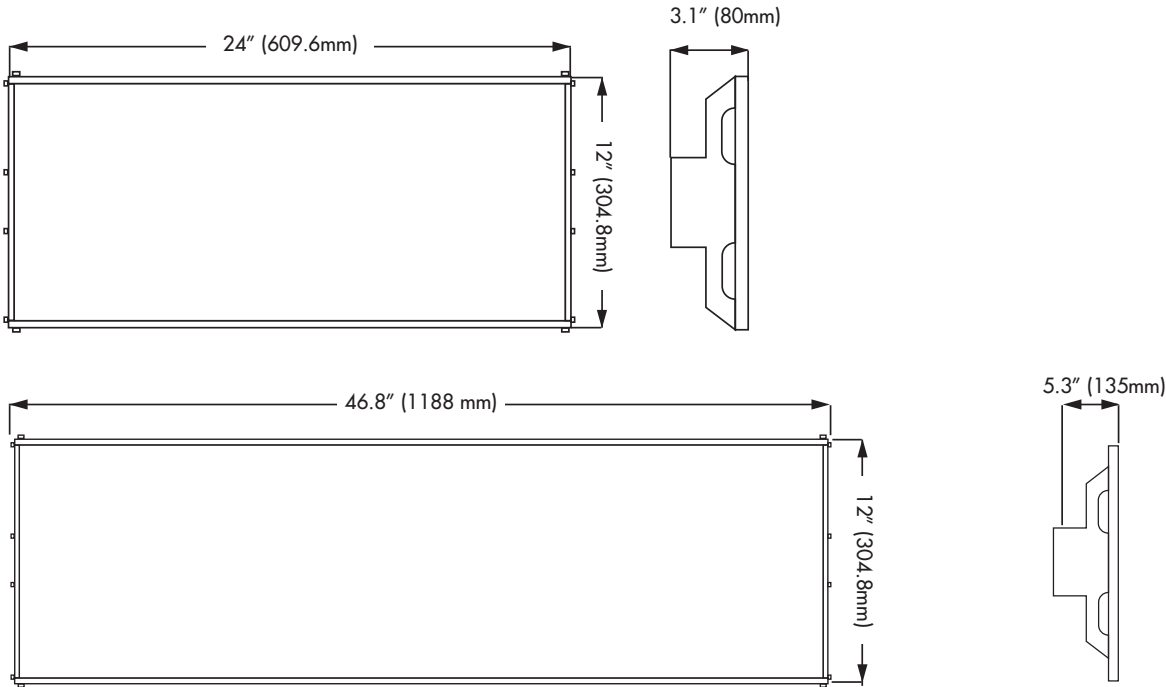
² Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

³ The NLS Network Lighting Control sensor is sold as a field installed sensor and will be included in the box when using the suffix 'NLS.' This is done for compliance with all rebate requirements.



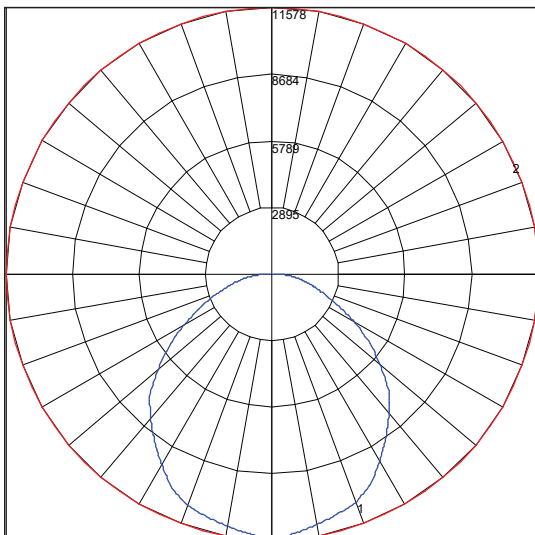
Select Series Linear High Bay

Dimensions



Photometric Report

Polar Graph



Maximum Candela = 11578 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Characteristics

Luminaire Lumens	29997
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	190.407
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.12 m
Luminous Width (90-270)	0.54 m
Luminous Height	0.00 m

Specifications and dimensions subject to change without notice.

For the most up-to-date specs and warranty information, please visit www.tcpi.com



Select Series Linear High Bay

Photometric Report

Based on photometric data for

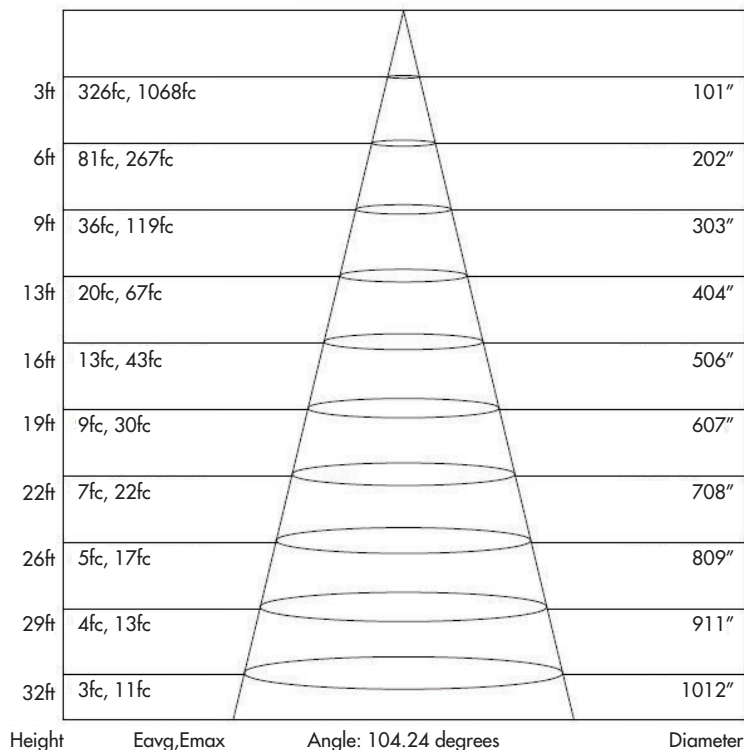
TCP Item # HB2UZDSW6CCT

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

Based off wattage setting at 210W



Note: The curves indicate the illuminated area and the average illumination when the luminaire is at different distances.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4163.26	13.90	13.90
0-30	8827.01	29.40	29.40
0-40	14337.76	47.80	47.80
0-60	24526.11	81.80	81.80
0-80	29450.6	98.20	98.20
0-90	29996.76	100.00	100.00
10-90	28914.93	96.40	96.40
20-40	10174.5	33.90	33.90
20-50	15699.55	52.30	52.30
40-70	13392.36	44.60	44.60
60-80	4924.49	16.40	16.40
70-80	1720.48	5.70	5.70
80-90	546.16	1.80	1.80
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	29996.76	100.00	100.00

Total Luminaire Efficiency = N.A. %

Specifications and dimensions subject to change without notice.

For the most up-to-date specs and warranty information, please visit www.tcp.com

TCP®

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5 YEAR
WARRANTY

TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 30 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



For more information on the quality and care TCP can deliver, call us at 800.324.1496 or visit tcpi.com

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