



# 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 5ft 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 .....	150/130/105W
SW6 .....	210/180/160W
Lumens	
SW3 .....	20500/17600/14250L
SW6 .....	30500/24500/21600L
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, DLC Standard 5.1
Controls .....	0-10V dimming (standard)



### Listings

RoHS Compliant  
DLC 5.1 Standard

### 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 Pre-wired Cord

## Catalog Ordering Matrix Example: HB2UZDSW5CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE <sup>1</sup> (LUMEN PACKAGES <sup>2</sup> )	COLOR TEMPERATURE	SENSOR OPTIONS	FACTORY INSTALLED OPTIONS
HB – HB Series Linear High Bay	2 – 2 Feet	U – 120-277V	ZD – 0-10V Dimming	SW3 – 150/130/105W (20,500/17,600/14,250L) SW6 – 210/180/160W (30,500/24,500/21,600L)	CCT – 4000K/5000K Selectable	Blank – No Sensor LS1 – PIR Motion Sensor LS1D – PIR Motion/Daylight Sensor NLS – Network Lighting Control <sup>3</sup>	Blank – No Sensor EB – Battery Backup

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

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

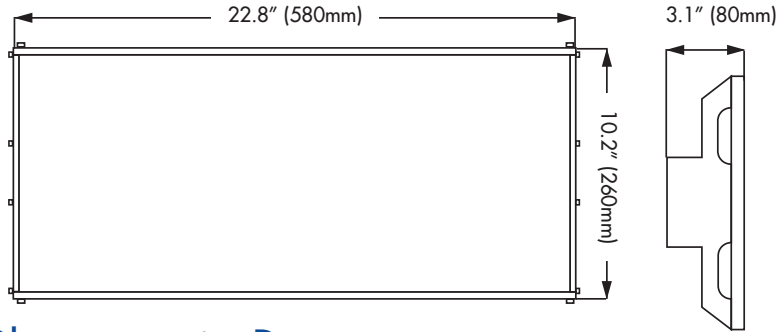
<sup>3</sup> The NLS Network Lighting Control sensor is sold as a field installed sensor and will be included in the box when using the suffix 'NLS.' This is done for compliance with all rebate requirements.





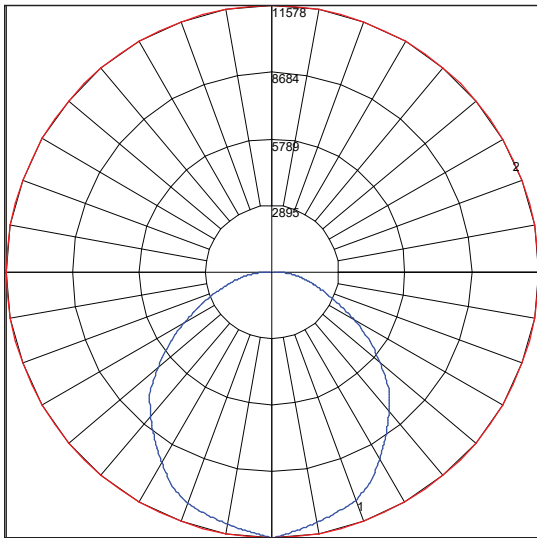
# Select Series Linear High Bay

## Dimensions



## Photometric Report

### Polar Graph

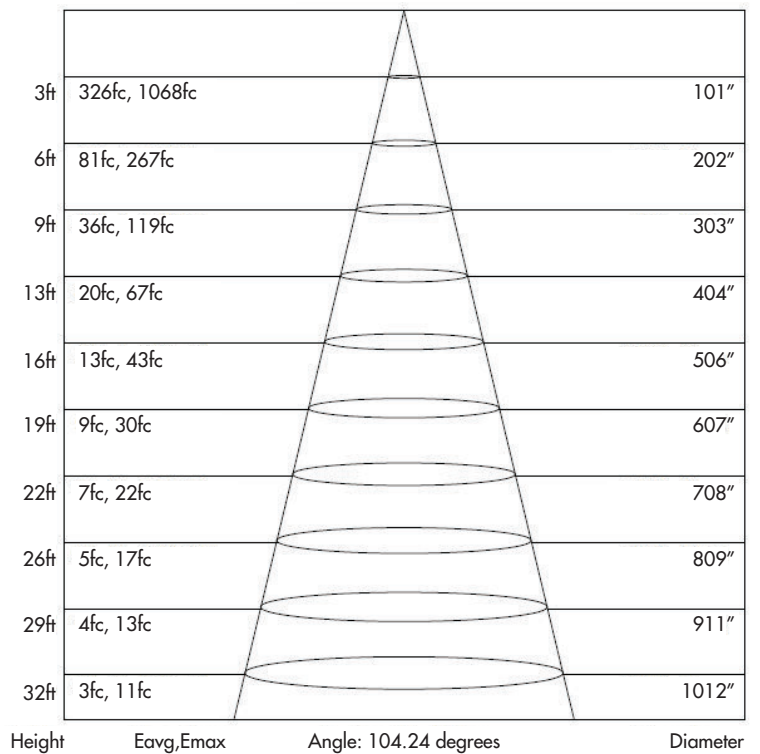


Maximum Candela = 11578 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

### Characteristics

Luminaire Lumens	29997
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	1.58
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

### Based off wattage setting at 200W



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

Specifications and dimensions subject to change without notice.

For the most up-to-date specs and warranty information, please visit [www.tcpi.com](http://www.tcpi.com)

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Not all versions of this product are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).



5 YEAR WARRANTY



# Select Series Linear High Bay

## Photometric Report

Based on photometric data for  
TCP Item # HB2UZDSW5CCT

### 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

### 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. %

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For the most up-to-date specs and warranty information, please visit [www.tcp.com](http://www.tcp.com)

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Not all versions of this product are qualified on the DLC GPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/gpl](http://www.designlights.org/gpl).



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 [tcp.com](http://tcp.com)

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