TCP Select Series Linear High Bay Owner's Manual
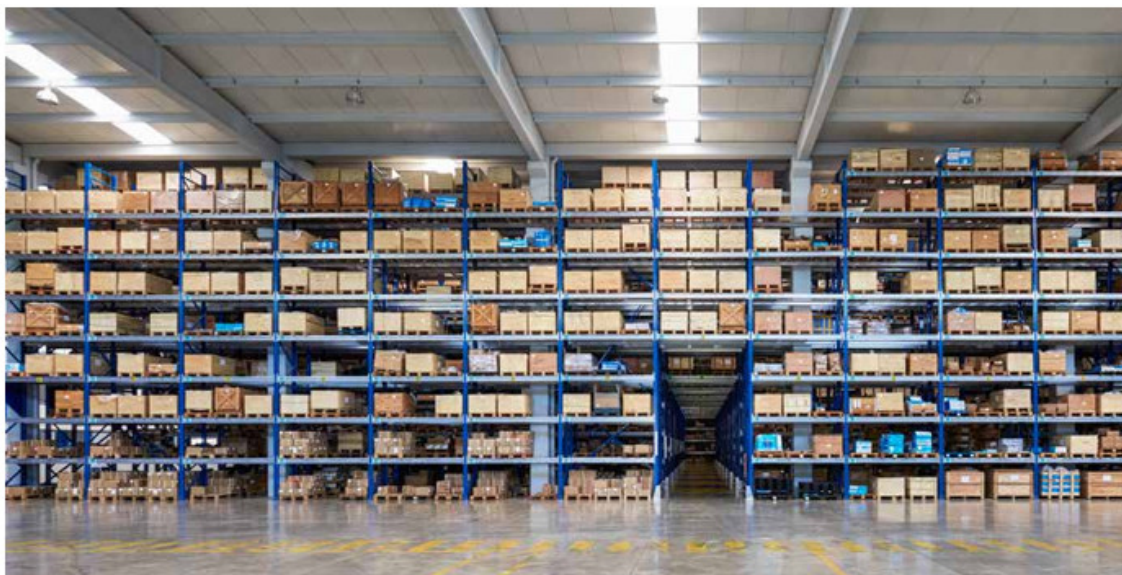
**Select Series
Linear High Bay
Product Specifications**

Contents

Select Series Linear High Bay

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 chair
- Damp location rated

Ideal Applications

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

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
- 0-10V smooth, no-flicker dimming
- Operating temperature: -4°F to 122°F
- 250W or 400W HID equivalent
- Long 50,000 hour rated life
- Wide beam spread
- Includes 6-Foot power cord

Hardware Included

- 2 Tong Hangers
- 5' Jack Chains
- 6-Foot Pre-wired Cord

Installation

- V hook with chain mount comes standard
- Consult local ordinances and building codes before installation

Listings
RoHS Compliant
Warranty
Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix Example: HB2UZDSW5CCT

| FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE1 (LUMEN PACKAGES2)	COLOR TEMPERATURE
HB – HB Series Linear High Bay	2 – 2 Feet	U – 120-277 V	ZD – 0-10V Dimming	SW5 – 160/185/200W (24,600/28,000/30,500 L)	CCT – 4000K/5000K Selectable

Actual wattage may differ by +/- 10%.
Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
For the most up-to-date specs and warranty information, please visit **www.tcpi.com**
TCP ® 325 Campus Dr. | Aurora, Ohio 44202 | P: **800-324-1496** | **tcpi.com**

Dimensions
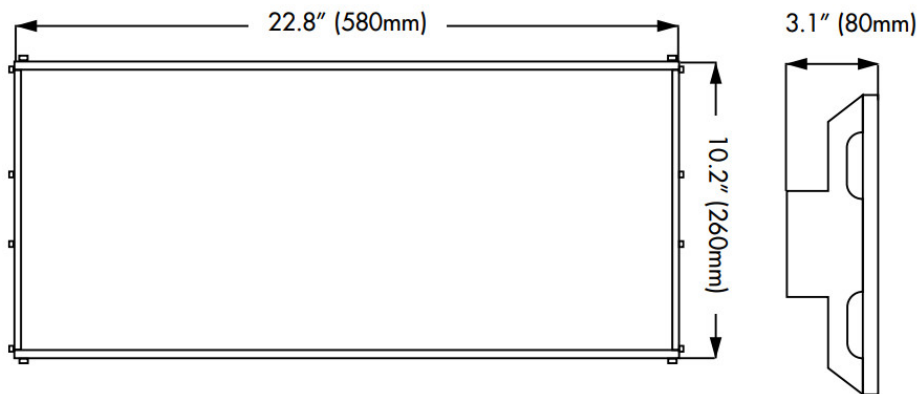
Photometric Report

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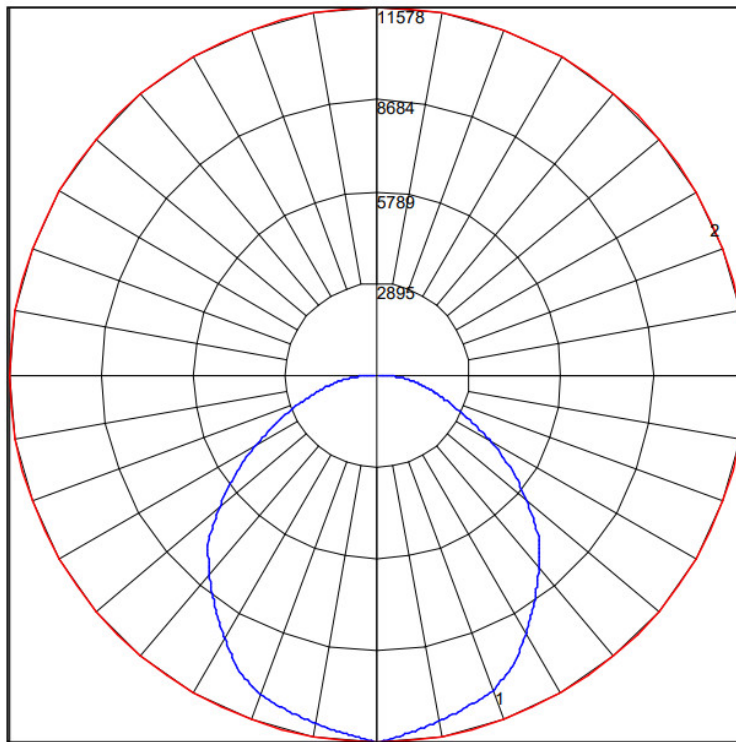
Maximum Candela = 11578 Located At Horizontal Angle = 0, Vertical Angle = 0
1 – Vertical Plane Through Horizontal Angles (0 – 180) (Through Max. Cd.)
2 – Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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.
Based off wattage setting at 200W

Height	Eavg,Emax	Angle: 104.24 degrees	Diameter
3ft	326fc, 1068fc		101"
6ft	81fc, 267fc		202"
9ft	36fc, 119fc		303"
13ft	20fc, 67fc		404"
16ft	13fc, 43fc		506"
19ft	9fc, 30fc		607"
22ft	7fc, 22fc		708"
26ft	5fc, 17fc		809"
29ft	4fc, 13fc		911"
32ft	3fc, 11fc		1012"
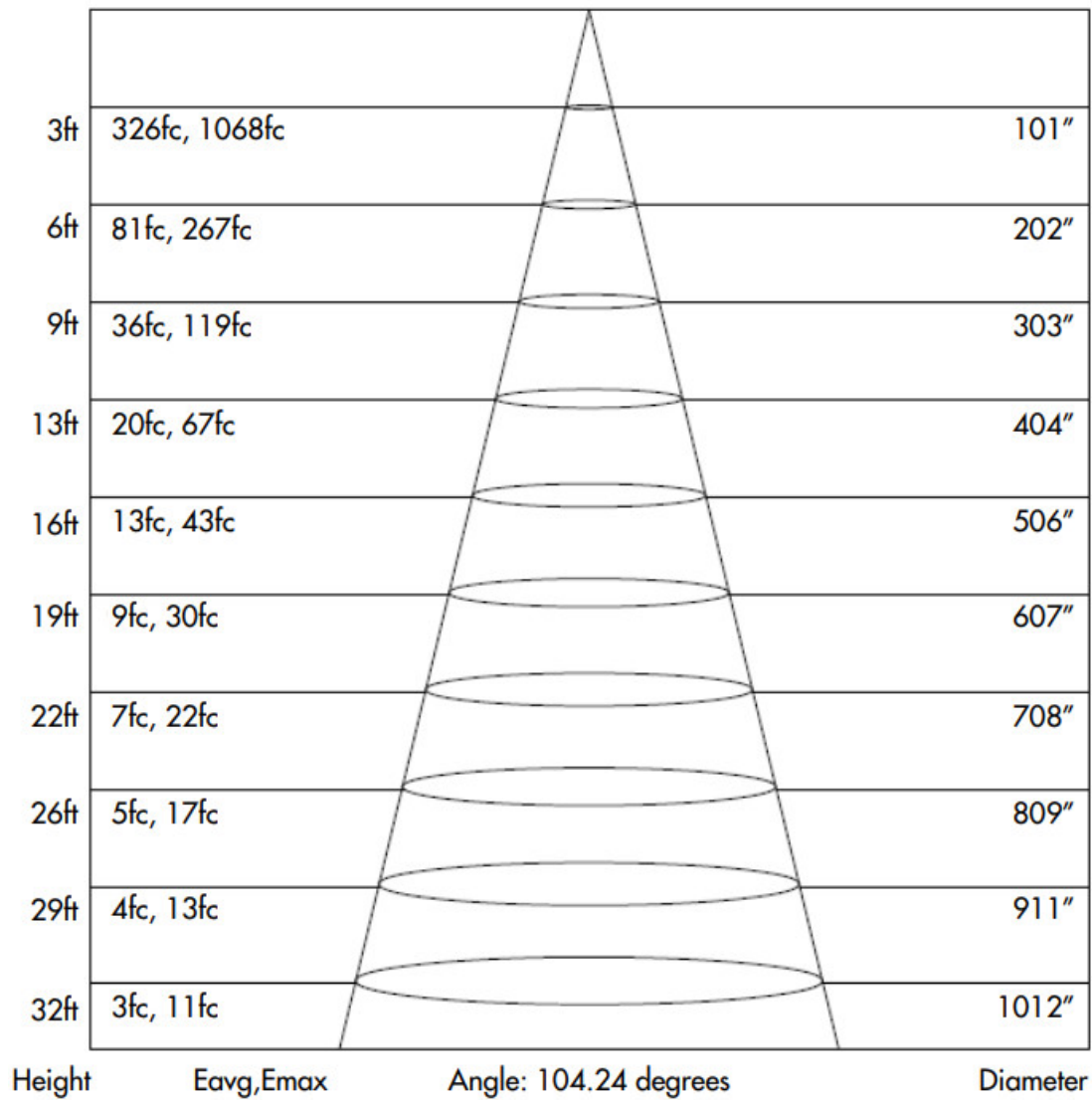
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Based on photometric data for TCP Item # HB2UZDSW5CCT
Coefficients of Utilization – Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RCRW	80				70				50			30			10			0
	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		6048	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.%
Specifications and dimensions subject to change without notice.

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:…………………………

Documents / Resources

TCP Select Series Linear High Bay [pdf] Owner's Manual
HB2UZDSW5CCT, Select Series Linear High Bay, Select Series, Linear High Bay, High Bay, Bay

References

- **User Manual**