Industra
by TCP

LED IB Series High Bay
Product Specifications

The LED IB Series High Bay features a lightweight, low-profile design that provides exceptional light distribution for mounting heights up to 60 feet.

This durable, robust fixture efficiently delivers over 130 LPW of bright, white, uniform light to maximize energy savings and utility rebates. The long 50,000 hour rated life significantly decreases maintenance, labor, and material costs over the life of the fixture.

A 0-10V dimming driver comes standard, enabling easy integration with a variety of control options.

Reasons to choose the LED IB Series High Bay from TCP

- Energy efficient – Up to 70% energy savings compared to HID
- Smooth, uniform dimming (0-10V)
- Instant on, no warm up time for full light

- Long life: 50,000 hours
- Replaces traditional metal halide and linear fluorescent high bay systems
- Durable 22 gauge housing is code grade steel

Ideal Applications

- Warehouse & Distribution Centers
- Commercial Facilities

- Aisles (Open & Stock)
- Retailers
- Schools & Municipalities

- Field houses & Gymnasiums
- Open Ceiling Designs

c(UL)us LISTED   DLC   5 YEAR WARRANTY*

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.

Specifications

Input Line Voltage ....120-277 VAC
Input Line Frequency (Hz) 50/60Hz
Wattage (W)
    IB2 .... 90W/105W/150W/175W/210W
    IB3 ....310W
    IB4 ....410W
Lumens (L)
    IB2 ....11,700L/13,650L/19,500L/22,750L/27,300
    IB3 .... 40,300L
    IB4 .... 53,300L
Rated Life.. 50,000 hours
Minimum Starting Temperature ....-20°C (-4°F)
Maximum Operating Temperature..............................40°C(-104°F)
CRI.. >80
Power Factor .... >90%
THD.. <20%
Ratings .... UL/cUL rated, RoHS, DLC 5.0 Standard
Controls... 0-10V dimming (standard)

Replacement Strategy

SYSTEM	INPUT WATTS*	LED ENERGY SAVINGS
TCP LED Linear High Bay - 13,500 lumens	**105**	—
250W Metal Halide	295	64%
6 Lamp T8 HBF	220	52%
4 Lamp T5 HO	249	58%
TCP LED Linear High Bay - 27,300 lumens	**210**	—
8 Lamp T5HO	482	56%
400W Metal Halide	458	54%
10 Lamp T8 HB	366	43%

*Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
*Actual wattage may differ by +/- 10%.

NOTE: Charts show system lumens (delivered lumens), NOT straight lamp lumen output. This is calculated as follows:
    System lumens = mean lumens x # lamps x ballast factor x luminaire efficiency factor

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Applications

The TCP LED IB Series High Bay is ideal for replacing traditional metal halide and linear fluorescent high bay systems. Benefits include high efficiency, excellent color rendering, long life, instant on, and improved uniformity. Suggested mounting heights up to 60' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stock aisle applications.

Construction

- Housing: durable 22 gauge steel
- Finish: powder coated, post-painted white
- Large wiring compartment and multiple knock-outs to accommodate lighting controls
- Lightweight, low-profile design
- V hangers included
- 5ft hanging chain included

Electrical

- cULus damp location rated
- 0-10V dimming driver (standard)
- Easy-to-access wiring compartment
- System rated for long 50,000 hour life
- Efficiently delivers >130 LPW

Optics

- High impact, frosted white acrylic lens comes standard to protect the LEDs and minimize glare
- Delivers bright, white light and excellent uniformity

Listings

UL/cUL Listed
RoHS Compliant
DLC 5.0 Premium

Warranty

Five year limited warranty against defects in manufacturing.

Lumen Maintenance

Lumen Maintenance Factor (LMF)[1]	
Item #	**36,000 hours[1]**
IB2UZDA1	91.40%
IB2UZDA2	90.64%
IB2UZDA3	91.40%
IB2UZDE1	91.40%
IB2UZDE2	90.64%

[1] IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 6,000 hours.
[2] IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 6,000 hours.

Spacing Criterion

(0-180): 1.22, (90-270): 1.22

Catalog Ordering Matrix   Example: IB2UZDA350K

FAMILY	VOLTAGE	CONTROLS/DIMMING	LUMEN PACKAGE (Power)[12]	COLOR TEMPERATURE
IB2 – LED Linear High Bay	**U** – 120V - 277V	**ZD** – 0-10V Dimming	**A1** – 13,650 lumens (105W) **A2** – 19,500 lumens (150W) **A3** – 27,300 lumens (210W) **E1** – 11,700 lumens (90W) **E2** – 22,750 lumens (175W)	**40K** – 4000K **50K** – 5000K

Accessories:

Item Number	Description
10C	10' PCord 277V SJTOOW NO PLUG
LS1	Leviton Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
LS1D	Leviton Occupancy Sensor w/ Daylight Harvesting – PIR, 40' or less, 120V-277V

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
[2] Actual wattage may differ by +/- 10%

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Applications

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Construction

- Housing: durable 22 gauge steel
- Finish: powder coated, post-painted white
- Large wiring compartment and multiple knock-outs to accommodate lighting controls
- Lightweight, low-profile design
- V hangers included
- 5ft hanging chain included

Electrical

- cULus damp location rated
- 0-10V dimming driver (standard)
- Easy-to-access wiring compartment
- System rated for long 50,000 hour life
- Efficiently delivers >130 LPW

Optics

- High impact, frosted white acrylic lens comes standard to protect the LEDs and minimize glare
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Listings

UL/cUL Listed
RoHS Compliant
DLC 5.0 Premium

Warranty

Five year limited warranty against defects in manufacturing.

Lumen Maintenance

Lumen Maintenance Factor (LMF)[1]	
Item #	36,000 hours[1]
IB3UZDA4	91.40%

[1] IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 6,000 hours.
[2] IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 6,000 hours.

Spacing Criterion

(0-180): 1.22, (90-270): 1.22

Catalog Ordering Matrix   Example: IB3UZDA450K

FAMILY	VOLTAGE	CONTROLS/DIMMING	LUMEN PACKAGE (Power)[12]	COLOR TEMPERATURE
IB3 – LED Linear High Bay	**U** – 120V - 277V	**ZD** – 0-10V Dimming	**A4** – 40,300 lumens (310W)	**40K** – 4000K **50K** – 5000K

Accessories:

Item Number	Description
10C	10' PCord 277V SJTOOW NO PLUG
LS1	Leviton Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
LS1D	Leviton Occupancy Sensor w/ Daylight Harvesting – PIR, 40' or less, 120V-277V

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
[2] Actual wattage may differ by +/- 10%

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Applications

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Construction

- Housing: durable 22 gauge steel
- Finish: powder coated, post-painted white
- Large wiring compartment and multiple knock-outs to accommodate lighting controls
- Lightweight, low-profile design
- V hangers included
- 5ft hanging chain included

Electrical

- cULus damp location rated
- 0-10V dimming driver (standard)
- Easy-to-access wiring compartment
- System rated for long 50,000 hour life
- Efficiently delivers >130 LPW

Optics

- High impact, frosted white acrylic lens comes standard to protect the LEDs and minimize glare
- Delivers bright, white light and excellent uniformity

Listings

UL/cUL Listed
RoHS Compliant
DLC 5.1 Standard

Warranty

Five year limited warranty against defects in manufacturing.

Lumen Maintenance

Lumen Maintenance Factor (LMF)[1]	
Item #	**36,000 hours[1]**
IB4UZDA5	91.40%

[1] IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 6,000 hours.
[2] IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 6,000 hours.

Spacing Criterion

(0-180): 1.22, (90-270): 1.22

Catalog Ordering Matrix   Example: IB4UZDA550K

FAMILY	VOLTAGE	CONTROLS/DIMMING	LUMEN PACKAGE (Power)[1][2]	COLOR TEMPERATURE
IB4 – LED Linear High Bay	**U** – 120V - 277V	**ZD** – 0-10V Dimming	**A5** – 53,000 lumens (410W)	**40K** – 4000K **50K** – 5000K

Accessories:

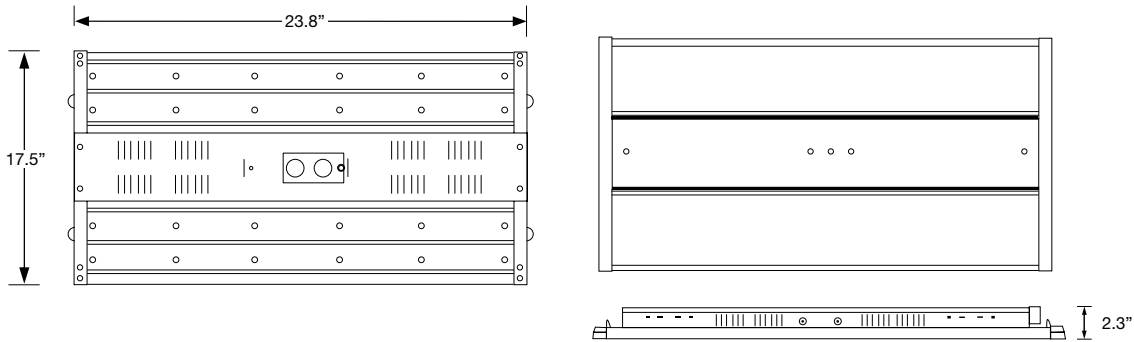| Item Number	Description
10C	10' PCord 277V SJTOOW NO PLUG
LS1	Leviton Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
LS1D	Leviton Occupancy Sensor w/ Daylight Harvesting – PIR, 40' or less, 120V-277V

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
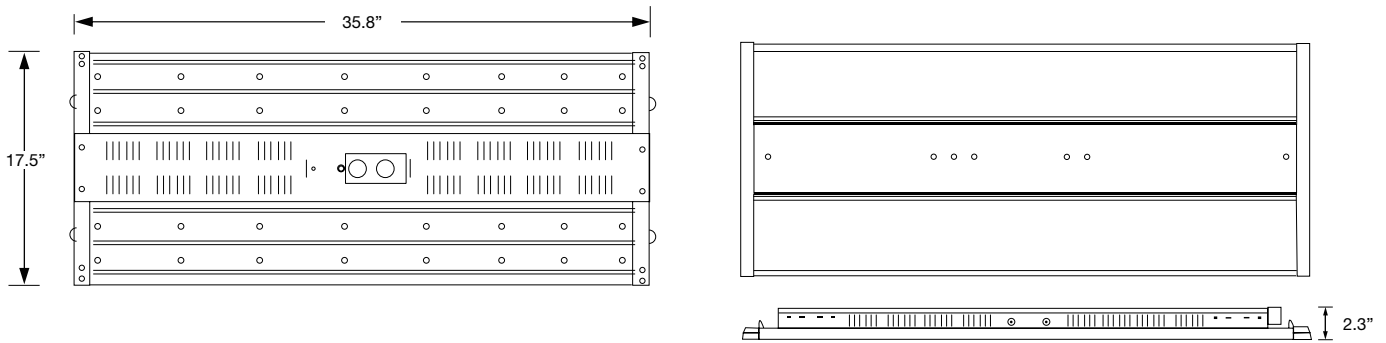[2] Actual wattage may differ by +/- 10%

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Dimensions and Mounting Data

IB2UZDAXXXK

23.8"

17.5"

2.3"

IB3UZDAXXXK

35.8"

17.5"

2.3"

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Dimensions and Mounting Data

IB4UZDAXXXK

45.9"

17.5"

2.3"

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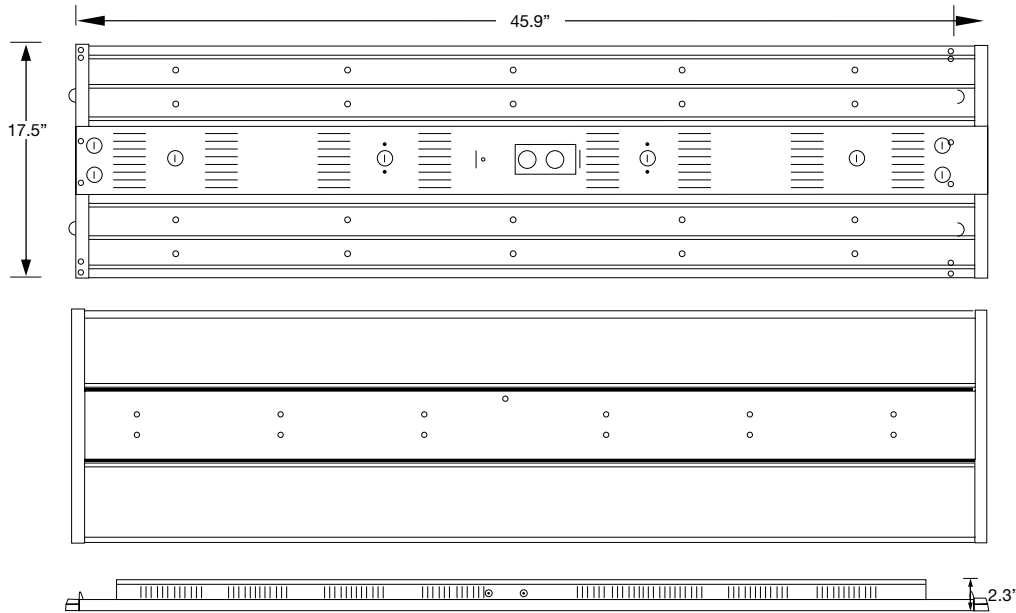
TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 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:

TCP
we know light.™