

Industra

by TCP

LED Round High Bay Luminaires



TCP's easy-to-install LED Round High Bay Luminaires have a sleek, robust design that can be paired with optional reflectors to meet a variety of application needs.

Combining long life and outstanding efficacy up to 140 LPW, TCP offers a cost effective solution to maximize energy and maintenance savings. These LED luminaires instantly deliver brilliant white light, eliminating long warm-up times experienced with HID fixtures.

Reasons to choose the LED Round High Bay Luminaires from TCP

- Energy efficient design delivers up to 140 LPW and uses up to 78% less energy than HD alternatives
- Smooth, uniform 0-10V dimming
- Instant on
- Long life: 50,000 hours
- Heavy duty die-cast aluminum housing
- IP65 wet location rated
- Hanging hook and pendant mount adapter for easy installation

Ideal Applications

- Warehouses & Distribution Centers
- Commercial Facilities
- Aisles (Open & Stock)
- Retailers
- Schools & Municipalities
- Field Houses & Gymnasiums
- Open Ceiling Designs

Specifications

Input Line Voltage	120-277 VAC & 277-480 VAC
Input Line Frequency (Hz)	50/60HZ
Wattage (W).....	100W/150W/200W/240W
Lumens (l).....	14000L/21000L/28000L/33000L
Lumens per Watt (LPW).....	>140 LPW
Rated Life.....	50,000 hours
Minimum Starting Temperature	-20°C (-4°F)
Maximum Operating Temperature.....	50°C (122°F)
CRI.....	>80
Power Factor	>0.95
THD.....	<20%
Ratings	cULus wet location rated, IP65
Controls.....	0-10V dimming (standard)



LED Round High Bay



LED Round High Bay
with aluminum reflector



LED Round High Bay
with acrylic refractor

Replacement Strategy

TYPE	WATTAGE	ENERGY SAVINGS
TCP LED Round High Bay – 14,000 Lumens	100W	—
250W Metal Halide	295W	64%
TCP LED Round High Bay – 21,000 Lumens	150W	—
400W Metal Halide	458W	67%
TCP LED Round High Bay – 28,000 Lumens	200W	—
400W Metal Halide	458W	56%
TCP LED Round High Bay – 33,600 Lumens	240W	—
1000W Metal Halide	1080W	78%

Applications

The TCP LED Round High Bay is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, excellent color rendering, long life, instant on, and improved uniformity.

Suggested mounting heights from 40' - 60' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications and gymnasiums.

Construction

- Housing: durable die-cast aluminum
- Lens: acrylic
- Finish: powder coated, post-painted black
- Easy-to-install with hanging hook (standard) or optional pendant mount adapter
- Sleek, stylish design

Electrical

- cULus wet location rated, IP65
- 0-10V dimming driver (standard)
- System rated for long 50,000 hour life
- Efficiently delivers up to 140 LPW

Optics

- 120° beam angle (without reflectors)
- Optional reflectors available to minimize glare
- Multiple reflector options to fit a variety of applications and aesthetic needs



Listings

cULus Listed – wet location rated
IP65 Rated
RoHS Compliant
DLC Premium v5.0 Premium
NSF/ANSI 2 – Food Equipment

Warranty

Five year limited warranty against defects in manufacturing.

Lumen Maintenance

Lumen Maintenance Factor (LMF) ¹				
Item #	36,000 hours ¹	50,000 hours ¹	100,000 hours ²	Reported L70 (hours) ¹
TCPHBRUZA2XXK	95.20%	94.06%	90.1%	>61,000
TCPHBRUZA3XXK	94.69%	93.36%	88.77%	>61,000
TCPHBRUZA4XXK	93.85%	92.22%	86.60%	>61,000
TCPHBRUZA5XXK	93.54%	91.79%	85.79%	>61,000

¹ IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration of 10,000 hours.

² IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration of 10,000 hours.

Catalog Ordering Matrix

Example: HBRUZA250K

TCP	HBR		ZD		
BRAND	FAMILY	VOLTAGE	CONTROLS/ DIMMING	LUMEN PACKAGE (POWER) ¹²	COLOR TEMPERATURE
TCP	HBR Round High Bay	U – 120V-277V H – 277-480V	ZD = 0-10V Dimming	A2 – 14,000L (100W) A3 – 21,000L (150W) A4 – 28,000L (200W) A5 – 33,600L (240W)	40K – 4000K 50K – 5000K

Accessories:

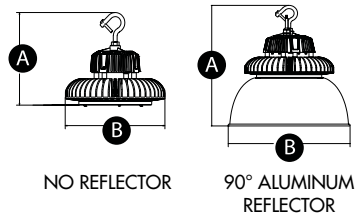
Item Number	Description	Item Number	Description
HBRPMA34	3/4" PENDANT MOUNT ADAPTER (100W & 150W MODELS)	TCPHBRSENSOR3	DAMP LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V-347V
HBRPMA34B	3/4" PENDANT MOUNT ADAPTER (200W & 240W MODELS)	HBRRALUM90	90 DEGREE ALUMINUM REFLECTOR
HBRPMB34	3/4" PENDANT MOUNT ADAPTER WITH JUNCTION BOX	HBRACREFL	ACRYLIC REFRACTOR
TCPHBRSENSOR1	WET LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V-277V	HBRACLENS	ACRYLIC LENS FOR HBRACREFL

¹ Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

² Actual wattage may differ by +/- 10%.

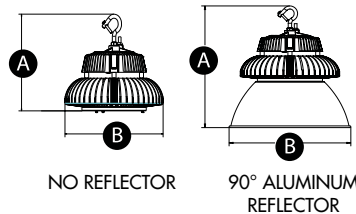
Dimensions and Mounting Data

100W - 150W / 120 - 277V



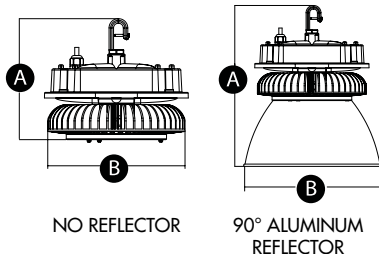
100W (120° NO REFLECTOR)	A: 227MM	B: 260MM
100W (90° REFLECTOR)	A: 377MM	B: 355MM
150W (120° NO REFLECTOR)	A: 227MM	B: 260MM
150W (90° REFLECTOR)	A: 377MM	B: 355MM

200W - 240W / 120 - 277V



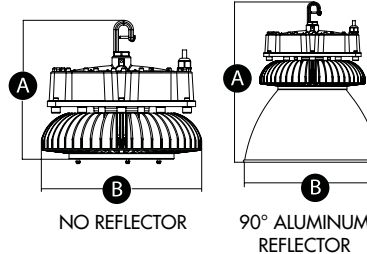
200W (120° NO REFLECTOR)	A: 248MM	B: 290MM
200W (90° REFLECTOR)	A: 398MM	B: 355MM
240W (120° NO REFLECTOR)	A: 258MM	B: 290MM
240W (90° REFLECTOR)	A: 408MM	B: 355MM

100W - 150W / 277 - 480V



100W (120° NO REFLECTOR)	A: 219MM	B: 260MM
100W (90° REFLECTOR)	A: 369MM	B: 355MM
150W (120° NO REFLECTOR)	A: 219MM	B: 260MM
150W (90° REFLECTOR)	A: 369MM	B: 355MM

200W - 240W / 277 - 480V



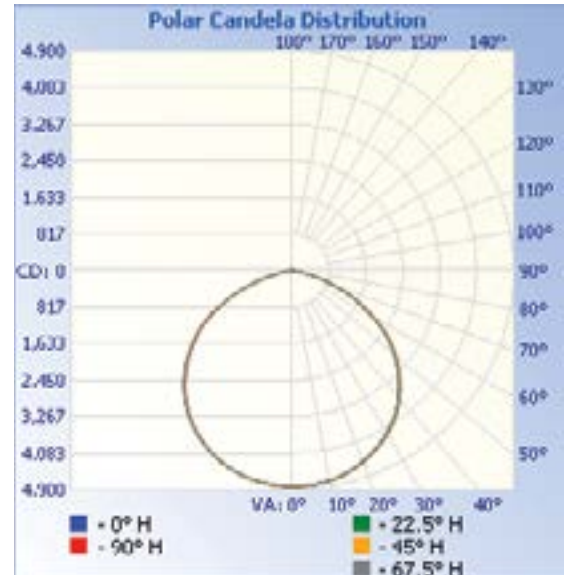
200W (120° NO REFLECTOR)	A: 253MM	B: 290MM
200W (90° REFLECTOR)	A: 403MM	B: 355MM
240W (120° NO REFLECTOR)	A: 263MM	B: 290MM
240W (90° REFLECTOR)	A: 413MM	B: 355MM

Photometric Report

Based on photometric data for TCP Item #TCPHBRUZZA240K



Zonal Lumen Summary		
Zone	Lumen	% Luminaire
0-30	3,803.0	28.3%
0-40	6,281.6	46.8%
0-60	11,166.2	83.2%
60-90	2,248.6	16.7%
70-100	678.1	5.1%
90-120	4.2	0%
0-90	13,414.8	99.9%
90-180	11.8	0.1%
0-180	13,426.7	100%



Specifications and dimensions subject to change without notice.