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 150 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 150 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
- Mercury free and environmentally friendly

**Ideal Applications**

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

Input Line Voltage ..................................... 120-277V & 277-480V
Input Line Frequency (Hz) .............................................. 50/60HZ
Wattage (W) .............................................................. 100W/150W/200W/240W
Lumens (L) ............................... 15000L/22500L/30000L/36000L
Lumens per Watt (LPW) ................................................>150 LPW
Rated Life .............................................................. 50,000 hours
Minimum Starting Temperature ........................... -30°C (-22°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)

Replacement Strategy

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WATTAGE</th>
<th>ENERGY SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP LED Round High Bay – 15,000 Lumens</td>
<td>100W</td>
<td>—</td>
</tr>
<tr>
<td>250W Metal Halide</td>
<td>295W</td>
<td>64%</td>
</tr>
<tr>
<td>TCP LED Round High Bay – 22,500 Lumens</td>
<td>150W</td>
<td>—</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>67%</td>
</tr>
<tr>
<td>TCP LED Round High Bay – 30,000 Lumens</td>
<td>200W</td>
<td>—</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>56%</td>
</tr>
<tr>
<td>TCP LED Round High Bay – 36,000 Lumens</td>
<td>240W</td>
<td>—</td>
</tr>
<tr>
<td>1000W Metal Halide</td>
<td>1080W</td>
<td>78%</td>
</tr>
</tbody>
</table>
LED Round High Bay Luminaires

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 and lightweight cast magnesium alloy
- Lens: tempered glass
- Finish: powder coated, post-painted black
- 6FT power cord
- Easy-to-install with hanging hook (standard) or optional pendant mount adapter or pendant mount adapter with wiring box
- 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 150 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

Catalog Ordering Matrix
Example: HBRUZDA250K

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>VOLTAGE</th>
<th>ZD</th>
<th>LUMEN PACKAGE (POWER)</th>
<th>COLOR TEMPERATURE</th>
</tr>
</thead>
</table>

Field Installed Accessories: Other reflector options available by special order. Contact manufacturer for more information.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Item Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBRPMA34</td>
<td>3/4” PENDANT MOUNT ADAPTER</td>
<td>HBRSENSOR1</td>
<td>WET LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V / 277V</td>
</tr>
<tr>
<td>HBRPMA34B</td>
<td>3/4” PENDANT MOUNT ADAPTER</td>
<td>HBRSENSOR3</td>
<td>WET LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V / 277V / 347V</td>
</tr>
<tr>
<td>HBRPMJB34</td>
<td>3/4” PENDANT MOUNT ADAPTER WITH JUNCTION BOX</td>
<td>HBRALUM90</td>
<td>90 DEGREE ALUMINUM REFLECTOR</td>
</tr>
<tr>
<td>HBRPMJB34B</td>
<td>3/4” PENDANT MOUNT ADAPTER WITH JUNCTION BOX</td>
<td>HBRACREFL</td>
<td>ACRYLIC REFRACCTOR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HBRACLENS</td>
<td>ACRYLIC LENS FOR HBRACREFL</td>
</tr>
</tbody>
</table>

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

A2 (100W, 15,000 lumens)
- Weight: 6lb (2.7kg)
- Diameter: 7.1" (180mm)
- Height: 9.7" (245mm)
- Type: A2 with acrylic reflector

A3 (150W, 22,500 lumens)
- Weight: 7lb (3.2kg)
- Diameter: 10" (254mm)
- Height: 11" (280mm)
- Type: A3 with acrylic reflector

A4 (200W, 30,000 lumens)
- Weight: 8lb (3.6kg)
- Diameter: 11.8" (300mm)
- Height: 11.8" (300mm)
- Type: A4 with acrylic reflector

A4/A5 (240W, 36,000 lumens)
- Weight: 8.8lb (4kg)
- Diameter: 16" (406mm)
- Height: 16.2" (411mm)
- Type: A4/A5 with acrylic reflector

### Photometric Report

Based on photometric data for TCP Item #HBRUZDA450K

**Polar Graph**

Maximum Candela = 10575.88 Located At Horizontal Angle = 90, Vertical Angle = 1

# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

**Coefficients of Utilization – Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Luminaire</th>
<th>Zone</th>
<th>Lumens</th>
<th>% Luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20</td>
<td>3875.51</td>
<td>13.30</td>
<td>70-80</td>
<td>1327.11</td>
<td>4.60</td>
</tr>
<tr>
<td>0-30</td>
<td>8277.86</td>
<td>28.50</td>
<td>80-90</td>
<td>139.09</td>
<td>0.50</td>
</tr>
<tr>
<td>0-40</td>
<td>13641.94</td>
<td>46.90</td>
<td>90-110</td>
<td>22.71</td>
<td>0.70</td>
</tr>
<tr>
<td>0-60</td>
<td>24153.2</td>
<td>83.00</td>
<td>90-120</td>
<td>44.47</td>
<td>1.47</td>
</tr>
<tr>
<td>0-80</td>
<td>28776.13</td>
<td>98.90</td>
<td>90-130</td>
<td>71.91</td>
<td>2.30</td>
</tr>
<tr>
<td>0-90</td>
<td>29815.2</td>
<td>99.40</td>
<td>90-150</td>
<td>131.44</td>
<td>4.47</td>
</tr>
<tr>
<td>10-90</td>
<td>27917.84</td>
<td>99.00</td>
<td>90-180</td>
<td>178.20</td>
<td>6.00</td>
</tr>
<tr>
<td>20-40</td>
<td>9765.97</td>
<td>33.60</td>
<td>110-180</td>
<td>155.49</td>
<td>5.00</td>
</tr>
<tr>
<td>20-50</td>
<td>15373.02</td>
<td>52.80</td>
<td>0-180</td>
<td>29093.42</td>
<td>100.00</td>
</tr>
<tr>
<td>40-70</td>
<td>13807.54</td>
<td>47.50</td>
<td>40-70</td>
<td>13807.54</td>
<td>47.50</td>
</tr>
<tr>
<td>60-80</td>
<td>4622.93</td>
<td>15.90</td>
<td>60-80</td>
<td>4622.93</td>
<td>15.90</td>
</tr>
</tbody>
</table>

Total Luminaire Efficiency = N.A. %

### Specifications and Dimensions

- **Zonal Lumen Summary**
  - 0-20: 3875.51 (13.30) 70-80: 1327.11 (4.60)
  - 0-30: 8277.86 (28.50) 80-90: 139.09 (0.50)
  - 0-40: 13641.94 (46.90) 90-110: 22.71 (0.70)
  - 0-60: 24153.2 (83.00) 90-120: 44.47 (1.47)
  - 0-80: 28776.13 (98.90) 90-130: 71.91 (2.30)
  - 0-90: 29815.21 (99.40) 90-150: 131.44 (4.47)
  - 10-90: 27917.84 (99.00) 90-180: 178.20 (6.00)
  - 20-40: 9765.97 (33.60) 110-180: 155.49 (5.00)
  - 20-50: 15373.02 (52.80) 0-180: 29093.42 (100.00)
  - 40-70: 13807.54 (47.50)
  - 60-80: 4622.93 (15.90)

- **Maximum Candela**: 10575.88 Located At Horizontal Angle = 90, Vertical Angle = 1

- **TCP LED Round High Bay Luminaires**
  - Based on photometric data for TCP Item #HBRUZDA450K

- **Coefficients of Utilization**
  - Zonal Cavity Method
  - Effective Floor Cavity Reflectance 0.20

- **Specifications and dimensions subject to change without notice.**

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

---

**LED Round High Bay Luminaires**

TCP®

255 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcpi.com

DLC Qualified Products List at www.designlights.org/qpl

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.