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
LED Round High Bay Luminaires

Specifications

Input Line Voltage .............................................. 120-277 VAC & 347-480 VAC
Input Line Frequency (Hz) .............................................. 50/60HZ
Wattage (W) .............................................. 100W/150W/200W/240W
Lumens (L) .............................................. 15000L/22500L/30000L/36000L
Lumens per Watt [LPW] .............................................. >140 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>
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
- 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

<table>
<thead>
<tr>
<th>HBR FAMILY</th>
<th>VOLTAGE</th>
<th>ZD</th>
<th>LUMEN PACKAGE (POWER)</th>
<th>COLOR TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR Round High Bay</td>
<td>U – 120V-277V</td>
<td>ZD = 0-10V Dimming</td>
<td>A2 – 15,000L (100W)</td>
<td>40K – 4000K</td>
</tr>
<tr>
<td>HBR</td>
<td>H – 347-480V</td>
<td></td>
<td>A3 – 22,500L (150W)</td>
<td>50K – 5000K</td>
</tr>
</tbody>
</table>

Listings

- cULus Listed – wet location rated
- IP65 Rated
- RoHS Compliant
- NSF/ANSI 2 – Food Equipment
- Dlc 4.4 Premium

Warranty

- Five year limited warranty against defects in manufacturing.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Item Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HBRPMA34</td>
<td>3/4” PENDANT MOUNT ADAPTER (100W &amp; 150W MODELS)</td>
<td>HBRSENSOR3</td>
<td>WET LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V / 277V / 347V</td>
</tr>
<tr>
<td>HBRPMA34B</td>
<td>3/4” PENDANT MOUNT ADAPTER (200W &amp; 240W MODELS)</td>
<td>HBRRALUM90</td>
<td>90 DEGREE ALUMINUM REFLECTOR</td>
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<tr>
<td>HBRPMJB34</td>
<td>3/4” PENDANT MOUNT ADAPTER WITH JUNCTION BOX</td>
<td>HBRACREFL</td>
<td>ACRYLIC REFRACTOR</td>
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<tr>
<td>HBRSENSOR1</td>
<td>WET LOCATION RATED DAYLIGHT HARVESTING OCCUPANCY SENSOR 120V / 277V</td>
<td>HBRACLENS</td>
<td>ACRYLIC LENS FOR: HBRACREFL</td>
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</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%.

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.
Industria
LED Round High Bay Luminaires

Dimensions and Mounting Data

A2 (100W, 15,000 lumens)
Weight: 6lb (2.7kg)

A2 with acrylic reflector

A3 (150W, 22,500 lumens)
Weight: 7lb (3.2kg)

A3 with acrylic reflector

A4 (200W, 30,000 lumens)
Weight: 8lb (3.6kg)

A4 with acrylic reflector

A4/A5 (240W, 36,000 lumens)
Weight: 8.8lb (4kg)

A5 with acrylic reflector

Photometric Report
Based on photometric data for
TCP Item #HBRUZDA450K

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>%Luminaires</th>
<th>Zone</th>
<th>Lumens</th>
<th>%Luminaires</th>
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<tbody>
<tr>
<td>0-20</td>
<td>3875.51</td>
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<td>70-80</td>
<td>1327.11</td>
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<tr>
<td>0-30</td>
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<td>139.09</td>
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<tr>
<td>0-60</td>
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<td>90-100</td>
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<td>0-90</td>
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<td>155.49</td>
<td>0.50</td>
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<tr>
<td>0-140</td>
<td>4622.93</td>
<td>15.90</td>
<td>240-270</td>
<td>131.44</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Total Luminaire Efficiency = N.A.%

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