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 140LPW, 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.

**Great Features/Benefits**

- Energy efficient design delivers up to 140 LPW
- Smooth, uniform 0-10V dimming
- Instant on
- Long life: 50,000 hours
- Heavy duty die-cast aluminum housing
- IP65 wet location rated

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

To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl
LED Round High Bay Luminaires

Features/Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 78% less energy than HID alternatives</td>
<td>Instant energy savings; potential rebate eligibility</td>
</tr>
<tr>
<td>Long 50,000 hour rated life</td>
<td>Significantly reduce maintenance labor &amp; material costs</td>
</tr>
<tr>
<td>Hanging hook (standard) and pendant mount adapter</td>
<td>Easy to install</td>
</tr>
<tr>
<td>Mercury free</td>
<td>Great for all environments</td>
</tr>
<tr>
<td>IP65 Rated</td>
<td>UL approved for wet locations</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Line Voltage</td>
<td>120-277VAC &amp; 347-480VAC</td>
</tr>
<tr>
<td>Input Line Frequency (Hz)</td>
<td>50/60HZ</td>
</tr>
<tr>
<td>Wattage (W)</td>
<td>100W, 150W, 200W, 240W</td>
</tr>
<tr>
<td>Lumens (L)</td>
<td>14,000, 21,000, 28,000 &amp; 33,600</td>
</tr>
<tr>
<td>Lumens per Watt (LPW)</td>
<td>&gt;130</td>
</tr>
<tr>
<td>Rated Life</td>
<td>50,000 hours</td>
</tr>
<tr>
<td>Minimum Starting Temperature</td>
<td>-20°C (-4°F)</td>
</tr>
<tr>
<td>Maximum Operating Temperature</td>
<td>50°C (122°F)</td>
</tr>
<tr>
<td>CRI</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.95</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Ratings</td>
<td>cULus wet location rated, IP65</td>
</tr>
<tr>
<td>Controls</td>
<td>0-10V dimming (standard)</td>
</tr>
</tbody>
</table>

Replacement Comparison

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WATTAGE</th>
<th>ENERGY SAVINGS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP LED Round High Bay – 14,000 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 – 21,000 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 – 28,000 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 – 33,600 Lumens</td>
<td>240W</td>
<td>—</td>
</tr>
<tr>
<td>10000W 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 die-cast aluminum
- Lens: glass
- 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

Catalog Ordering Matrix

<table>
<thead>
<tr>
<th>TCP BRAND</th>
<th>HBR FAMILY</th>
<th>VOLTAGE</th>
<th>CONTROLS/DIMMING</th>
<th>LUMEN PACKAGE (Power)</th>
<th>COLOR TEMPERATURE</th>
</tr>
</thead>
</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%.

AVAILABLE ACCESSORIES (ordered separately)

- HBRPMA34 – ¾” Pendant mount adapter (100W & 150W models)
- HBRPMA34B – ¾” Pendant mount adapter (200W & 240W models)
- HBRSENSOR1 – Wet location rated daylight harvesting occupancy sensor
- HBBRALUM90 – 90 degree aluminum reflector
- HBRACREFL – Acrylic refractor
- HBRACLENS – Acrylic lens for HBRACREFL

**Other reflector options available by special order. Contact manufacturer for more information.**

For the most up-to-date specs and warranty information, please visit [www.tcpi.com](http://www.tcpi.com)
LED Round High Bay Luminaires

LED TECHNICAL DATA

Dimensions

**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: 350mm

**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 / 347 - 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 / 347 - 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 #TCPHBRUZDA240K

**Zonal Lumen Summary**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumen</th>
<th>% Luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>3,803.0</td>
<td>28.3%</td>
</tr>
<tr>
<td>0-40</td>
<td>6,281.6</td>
<td>46.8%</td>
</tr>
<tr>
<td>0-60</td>
<td>11,166.2</td>
<td>83.2%</td>
</tr>
<tr>
<td>60-90</td>
<td>2,248.6</td>
<td>16.7%</td>
</tr>
<tr>
<td>70-100</td>
<td>678.1</td>
<td>5.1%</td>
</tr>
<tr>
<td>90-120</td>
<td>4.2</td>
<td>0%</td>
</tr>
<tr>
<td>0-180</td>
<td>13,414.8</td>
<td>99.9%</td>
</tr>
<tr>
<td>90-180</td>
<td>11.8</td>
<td>0.1%</td>
</tr>
<tr>
<td>0-180</td>
<td>13,426.7</td>
<td>100%</td>
</tr>
</tbody>
</table>

 Specifications and dimensions subject to change without notice.