TCP’s energy efficient LED High Bay lamps and sensors are an excellent choice for replacing traditional metal halide products. Damp location rated and designed for indoor use where low maintenance and high lumen output is required.

Reasons to choose the LED High Bay lamps and sensors from TCP

- Uses less energy than traditional metal halide products
- 50,000 hour life minimizes replacement and maintenance costs
- UL approved for damp locations
- Rated for enclosed fixtures
- 120° beam angle for full light distribution
- Isolated driver for better heat dissipation and eliminates the need for a ballast
- Surge protection – all wattages have 4KV surge protection
- Sensor controls – lamps can use daylight or motion control when lamps are on/off

Ideal Applications

- Warehouses
- Factories
- Canopy Lights
- Gymnasiums
- Parking Garages
- Storage Facilities
- Large Conference Halls
- Event Centers
- Assembly Lines

Specifications:

Color Temperatures ......................... 4000K, 5000K
Wattage Replacements .................. 200W, 250W, 400W
Input Line Voltage ......................... 120-277 VAC
Input Line Frequency ...................... 50/60HZ
Lamp Life (Rated) ......................... 50,000 hours
Minimum Starting Temp .................... -40ºC
Maximum Operating Temp ............... 60ºC
CRI ............................................. ≥ 80
Surge Protection ........................... 4kv
### Specifications

**LED High Bay Retrofit Lamps & Sensors**

**L60HBE2650XXXK**
- **ITEM #** L60HBE265050K
- **DESCRIPTION** LED60 HB200 E265K
- **METAL HALIDE EQUIVALENT** 200
- **VOLTAGE** 120-277VAC
- **BASE LAMP LUMENS** 8100
- **LED WATTS** 60
- **CRI** 80
- **COLOR TEMP** 5000K
- **MOL (INCHES)** 6.89
- **DIA (INCHES)** 6.93
- **MIN ENCLOSURE DIMENSION (INCHES)** 7.87 x 7.87
- **BASE** E26
- **SENSOR COMPATIBLE** Yes
- **MASTER PACK** 4

**L80HBEX3950XXXK**
- **ITEM #** L80HBEX395040K
- **DESCRIPTION** LED80 HB250 EX394K
- **METAL HALIDE EQUIVALENT** 250
- **VOLTAGE** 120-277VAC
- **BASE LAMP LUMENS** 10800
- **LED WATTS** 80
- **CRI** 80
- **COLOR TEMP** 4000K
- **MOL (INCHES)** 7.01
- **DIA (INCHES)** 7.87
- **MIN ENCLOSURE DIMENSION (INCHES)** 9.84 x 9.84
- **BASE** EX39
- **SENSOR COMPATIBLE** Yes
- **MASTER PACK** 4

**L115HBEX3950XXXK**
- **ITEM #** L115HBEX395040K
- **DESCRIPTION** LED115 HB400 EX394K
- **METAL HALIDE EQUIVALENT** 400
- **VOLTAGE** 120-277VAC
- **BASE LAMP LUMENS** 15525
- **LED WATTS** 115
- **CRI** 80
- **COLOR TEMP** 4000K
- **MOL (INCHES)** 7.01
- **DIA (INCHES)** 9.84
- **MIN ENCLOSURE DIMENSION (INCHES)** 9.84 x 9.84
- **BASE** EX39
- **SENSOR COMPATIBLE** Yes
- **MASTER PACK** 4

*DLC qualified product at time of printing, consult designlights.org for the most up-to-date listing.

### Sensor Installation
### Specifications

#### HID HB PIR Occupancy Sensor:
When connected to the TCP High Bay Lamp, the sensor delivers excellent motion detection. When no motion is detected, the TCP High Bay Lamp brightness will be switched to a preset Dim Level from 0 – 60%. When motion is detected, the TCP High Bay lamp, brightness will be switched to 100% for a preset Hold Time. If natural light is present, the Lamp will turn off.

**Features:**
- Normal Motion Detecting
- Daylight Threshold
- Step Dimming
- Do not expose directly to water

<table>
<thead>
<tr>
<th><strong>Voltage</strong></th>
<th>15V DC ± 2V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output Voltage</strong></td>
<td>0-10V</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>20mA</td>
</tr>
<tr>
<td><strong>Sensing Angle</strong></td>
<td>120° (Installation Vertically)</td>
</tr>
<tr>
<td><strong>Detecting Range</strong></td>
<td>Around Dia 10m</td>
</tr>
<tr>
<td><strong>Standby Power Range</strong></td>
<td>0% - 60%</td>
</tr>
</tbody>
</table>

#### HID HB Daylight Sensor:
When connected to the TCP High Bay Lamp, the sensor delivers natural light detection. When the natural light level is below the Lux setting, the TCP High Bay Lamp will turn on for the preset Hold Time. When the natural light level is above the Lux setting, the HP High Bay Lamp will turn on.

**Features:**
- Only Identify Natural Light
- Daylight Threshold
- One module for one lamp

<table>
<thead>
<tr>
<th><strong>Voltage</strong></th>
<th>15V DC ± 2V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Output Voltage</strong></td>
<td>0-10V</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>20mA</td>
</tr>
<tr>
<td><strong>Lux Range</strong></td>
<td>20-∞</td>
</tr>
</tbody>
</table>

#### HID HB Microwave Occupancy Sensor:
When connected to the TCP High Bay Lamp, the sensor delivers 120° detection through objects and walls. When no motion is detected, the TCP High Bay Lamp brightness will be switched to a preset Dim Level from 0 – 60%. When motion is detected, the TCP High Bay Lamp brightness will be switched to 100% for a preset Hold Time.

**Features:**
- Normal Motion Detecting
- ON/OFF Function
- Step Dimming
- Do not expose directly to water

<table>
<thead>
<tr>
<th><strong>Frequency</strong></th>
<th>5.8 GHz ± 75MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>15V DC ± 2V</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>0-10V</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>20mA</td>
</tr>
<tr>
<td><strong>Transmit Power</strong></td>
<td>1mW</td>
</tr>
<tr>
<td><strong>Sensing Angle</strong></td>
<td>120° (Installation Vertically)</td>
</tr>
</tbody>
</table>

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**TCP**
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Based on 12 hours per day
LED High Bay Retrofit Lamp Installation and Instruction Guide

For MODELS L60HBE265040K, L60HBE265050K, L80HBEX395040K, L80HBEX395050K, L115HBEX395040K, L115HBEX395050K

**WARNING! RISK OF ELECTRIC SHOCK!**
DISCONNECT POWER AT FUSE OR CIRCUIT BREAKER BEFORE INSTALLING OR SERVICING!

**STEP #1**

**POWER OFF**

TURN OFF POWER AT CIRCUIT BREAKER to prevent risk of electric shock.

**STEP #2**

**Fig 1**

Remove old ballast or disconnect from existing lamp holder. Remove and dispose of ballast in correct manner (also disconnect any other components such as ignitors, starters, capacitors). Shown as Figure 1.

**STEP #3**

**Fig 2**

Reconnect directly to the existing lamp holder. Shown as Figure 2.

**STEP #4**

**Fig 3**

Install new LED replacement lamp. Shown as Figure 3. Please make sure old socket is correctly grounded.

**STEP #5**

If lamp being installed is over 60w, attach provided tether cable to lamp. Locate either entry hole(1) on lamp shown in diagram and feed looped end of tether cable(2) through hole. You may need to crimp with pliers first. Once through, take end with grappling clip through loop as shown, tighten and secure clip to safe location.

**STEP #6**

This luminaire has been modified to operate LED lamps. Do not attempt to install or operate HD lamps or Compact Fluorescent Luminaire in this luminaire.

LED RETROFIT LUMINAIRE CONVERSION FOR USE ONLY WITH PRODUCTS DESCRIBED AND INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH THIS RETROFIT KIT (333982)

Order at www.tcp.com

REPLACEMENT LAMP:
LX0HE2650YYK ("XX" = 12W & 18W & 27W & 36W & 45W & 54W & 63W & 100W & 120W)
LX0HEX3950YYK ("YY" = 40W (4000K) & 50W (5000K))
LX0HEB2650YYK ("XX" = 60W & 80W & 115W)
LX0HEX3950YYK ("YY" = 40W (4000K) & 50W (5000K))

**STEP #7**

**POWER ON**

TURN ON POWER AT CIRCUIT BREAKER

Please apply included label to retrofitted luminaire in a visible location.