The TCP LED HT Series Horticulture Top Light features a lightweight, customizable design to support both the flowering and growth stages of plant development. This durable, 75° C rated, fixture efficiently delivers up to 916 μmol/s of photosynthetic photon flux while maximizing energy savings due to an efficacy of up to 3.56 μmol/J. The long 50,000 hour rated life significantly decreases maintenance, labor, and material costs over the life of the fixture. Smart box Bluetooth mesh technology accessories are also available for complete lighting system control.

Reasons to choose the LED HBM Series High Bay from TCP

- Built for extreme temperatures: 75° C rated
- Modular design allows for limitless customization
- Industry leading efficacy: up to 3.56 μmol/J
- Powerful 916 μmol/s photosynthetic photon flux
- Smart box technology accessories
- Instant on, no warm up time for full light
- Long life: 50,000 hours
- Durable light weight aluminum housing
- IP66 rating prevents dirt and grime build up behind fixture lens
TCP®

Specifications

Input Line Voltage ........................... 120-277 VAC & 347-480 VAC
Input Line Frequency (Hz) ...................... 50/60HZ
Wattage (W) ........................................ 250W
Photosynthetic Photon Efficacy ................. >3.56 µmol/J
Rated Life ........................................... 50,000 hours
Minimum Starting Temperature ............... -40°C (-40°F)
Maximum Operating Temperature .......... 75°C (167°F)*
Power Factor ........................................... >0.90
THD .................................................. <20%
Ratings ........................................... cULus wet location rated, IP66
Controls ........................................... 0-10V dimming (standard)

*Maximum Operating Temperature decreases when additional units are assembled together

Modular Design Capabilities:
Support both vegetation growth and flowering stages of plant life

Example order consists of:
- (1) HTUZDA4VG
- (1) HTUZDA4FL
- (1) HTPTBAG

Available Spectrums:

Vegetation Growth Spectrum (Item #: HTUZDA4VG)

Example order consists of:
- (1) HTUZDA4VG
- (1) HTUZDA4FL
- (1) HTPTBAG

Flowering/Crop Growth Spectrum (Item #: HTUZDA4FL)
Applications

The TCP LED HT Series Horticulture Top Light is ideal for replacing traditional metal halide high bay systems in commercial horticulture applications. Benefits include high efficiency, up to 916 μmol/s of photosynthetic photon flux, long life, instant on, and a modular design that will satisfy the most complex of horticulture lighting applications.

Construction
- Durable, light weight aluminum body
- Finish: powder coated, post-painted white
- Modular design: unlimited lighting design solutions
- Lightweight, low-profile design

Electrical
- cULus wet location rated
- 0-10V dimming driver (standard)
- Easy-to-access wiring compartment
- System rated for long 50,000 hour life
- Efficiently delivers >3.56 μmol/J

Optics
- High impact, clear acrylic lens comes standard to protect the LEDs and minimize glare

Catalog Ordering Matrix

<table>
<thead>
<tr>
<th>HT</th>
<th>ZD</th>
<th>A4</th>
<th>SPECTRUM</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAMILY</td>
<td>VOLTAGE</td>
<td>CONTROLS/DIMMING</td>
<td>WATTAGE¹</td>
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<tr>
<td>HT – Horticultural Top Light</td>
<td>U – 120-277V</td>
<td>ZD – 0-10V Dimming</td>
<td>A4 – 250W</td>
<td>VG – Vegetation, FL – Flowering/Crop</td>
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</table>

¹ Actual wattage may differ by +/- 10%

Field Installed Accessories:

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>HTPTBAG</td>
<td>Parts bag for modular assembly</td>
</tr>
<tr>
<td>TCPYHOOKX10FT</td>
<td>100lb rated cable Y-hook hanging kit</td>
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</tbody>
</table>

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


**Product Dimensions:**

- **Length:** 14.96”
- **Width:** 7.6”
- **Height:** 5.34”

**Weight:** 9.8lbs

**Photosynthetic Photon Flux Density**

<table>
<thead>
<tr>
<th>MOUNTING HEIGHT (FT)</th>
<th>HTUZDA4VG</th>
<th>HTUZDA4FL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Coverage Diameter (FT)</td>
<td>Average PPFD (μmol/s/m²)</td>
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<tr>
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