The T12 type CMh lamps offer a compact and efficient metal halide solution for the horticulture market. This lamp provides outstanding performance over the life of the product.

Features

- Energy-efficient alternative to HPS or quartz metal halide lamp
- Compact lighting solution for growth chambers and greenhouses
- Excellent PPF (Photosynthetic Photon Flux) value of 1.9 micromoles per second
- Excellent growth light maintenance—85% of the PPF at 20,000 hours

Note:

- Until the lamp has achieved at least 10 hours of operation, it should never be turned off before it has been operating for two minutes, including during the installation test. If this happens, you will have to wait one hour before switching it on again. Failure to comply with this requirement may lead to ignition problems.
- WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with the FDA radiation performance standard described in 21 CFR subchapter J.
### CMh Lamps

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>RATED WATTAGE</th>
<th>COLOR TEMP</th>
<th>INITIAL LUMENS</th>
<th>POSITION</th>
<th>RATED HOURS</th>
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</thead>
<tbody>
<tr>
<td>BUCMH31531K</td>
<td>Philips 3100K Master Power CDM Elite Agro 315W, T12</td>
<td>315</td>
<td>3100K</td>
<td>33,000</td>
<td>UNIVERSAL</td>
<td>20,000</td>
</tr>
<tr>
<td>BUCMH31542K</td>
<td>Philips 4200K Master Power CDM Elite Agro 315W, T12</td>
<td>315</td>
<td>4200K</td>
<td>35,500</td>
<td>UNIVERSAL</td>
<td>30,000</td>
</tr>
<tr>
<td>US5002536</td>
<td>Ushio 3000K Hilux Gro CMH lamp, 315W</td>
<td>315</td>
<td>3000K</td>
<td>33,000</td>
<td>BU±90°</td>
<td>15,000</td>
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<tr>
<td>US5002537</td>
<td>Ushio 4200K Hilux Gro CMH lamp, 315W</td>
<td>315</td>
<td>4200K</td>
<td>32,000</td>
<td>BU±90°</td>
<td>15,000</td>
</tr>
</tbody>
</table>

**SPECTRAL DISTRIBUTION**

**Philips 3100K - 315W Lamp (BUCMH31531K)**

**Philips 4200K – 315W Lamp (BUCMH31542K)**

**PGZ18 lamp base**

**Relative Spectral Distribution**

- Wavelength (nm): 380, 485, 590, 695, 800

- Intensity: 0, 0.2, 0.4, 0.6, 0.8, 1.0

**Spectral Distribution**

- Wavelength (nm): 380, 485, 590, 695, 800

- Relative Spectral Distribution: 0, 0.2, 0.4, 0.6, 0.8, 1.0

**Ushio 3100K - 315W Lamp (US5002536)**

**Ushio 4200K – 315W Lamp (US5002537)**