SubstiTUBE® LED T5HO Lamps

Energy saving replacement for fluorescent T5HO lamps

Key Features & Benefits

- CCT: 3000K, 3500K, 4100K, 5000K
- Beam angle: 180°
- Operates on programmed rapid start T5HO electronic ballasts
- Long life: 50,000 hour life (L70)
- Suitable for dry and damp locations (cannot come in direct contact with water)
- Suitable for open fixtures
- 5 year limited lamp warranty (24/7 operation)
- Reduces energy consumption up to 40%
- No UV emission

SYLVANIA SubstiTUBE LED T5HO lamps are an energy saving alternative, designed to replace traditional fluorescent T5HO lamps. These LED T5HO lamps mimic the look of traditional fluorescent T5 HO lamps, contain no mercury and provide a uniform light distribution with an optimized glass optic design.

Engineered to operate on select programmed rapid start electronic T5HO ballasts, these lamps minimize labor costs.

Product Offering

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Color Temperature</th>
<th>CRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED T5HO</td>
<td>3000K, 3500K, 4100K, 5000K</td>
<td>80+</td>
</tr>
</tbody>
</table>

Application Information

Applications
- Cove lighting
- General illumination

Specifications and Certifications

[CSR, UL, NSF, RoHS, Energy Star, Halogen, DLC]
**Specifications**

**Energy Data**
- Ambient Operating Temperature: -4°F to 122°F (-20°C to 50°C)
- EMI/RFI: FCC Title 47 CFR, Part 18, Non-Consumer
- Max Case Temperature: 140°F (60°C)

**Lighting Data**
- Lumen Output: Up to 3500 lumens
- Lumens per Watt: Up to 125 LPW
- Correlated Color Temperature (CCT): 3000K, 3500K, 4100K, 5000K
- Color Rendering Index (CRI): 82

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**Ordering Information**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Ordering Abbreviation</th>
<th>Lamp Power (W)</th>
<th>Lamp Lumens (lm)</th>
<th>Color Temp.</th>
<th>CRI</th>
<th>Beam Angle (°)</th>
<th>Package Quantity</th>
<th>DLC (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>79746</td>
<td>LED25T5HO/L48/FG/830/SUB/G6</td>
<td>25W</td>
<td>3200</td>
<td>3000K</td>
<td>82</td>
<td>180°</td>
<td>10</td>
<td>Y</td>
</tr>
<tr>
<td>79747</td>
<td>LED25T5HO/L48/FG/835/SUB/G6</td>
<td>25W</td>
<td>3200</td>
<td>3500K</td>
<td>82</td>
<td>180°</td>
<td>10</td>
<td>Y</td>
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<tr>
<td>79748</td>
<td>LED25T5HO/L48/FG/841/SUB/G6</td>
<td>25W</td>
<td>3500</td>
<td>4100K</td>
<td>82</td>
<td>180°</td>
<td>10</td>
<td>Y</td>
</tr>
<tr>
<td>79749</td>
<td>LED25T5HO/L48/FG/850/SUB/G6</td>
<td>25W</td>
<td>3500</td>
<td>5000K</td>
<td>82</td>
<td>180°</td>
<td>10</td>
<td>Y</td>
</tr>
</tbody>
</table>

1. Lamp Power and Lamp Lumens rated on QHE2x54T5HO/UNV PSN
2. Please contact your SYLVANIA product sales representative for additional information.

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**Ordering Guide**

<table>
<thead>
<tr>
<th>LED 25 T5 HO / L 48 FG 8 41 SUB / G6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED Wattage</td>
</tr>
<tr>
<td>41 = 4100K</td>
</tr>
<tr>
<td>Generation</td>
</tr>
</tbody>
</table>

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**Application Information**

**Application Notes**

1. Due to numerous ballast designs and topologies, this lamp should be tested on existing ballasts before mass quantities are installed.
2. All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off. Lamps should be installed and operated in compliance with the National Electrical Code (NEC), Underwriters Laboratories Inc. (UL) requirements, and all applicable codes and regulations.
3. Insert and align tubes properly in lamp holders. Partial insertion results in a poor or intermittent electrical contact that can result in short lamp life and arcing. Arcing at the lamp holder can result in localized overheating.
4. Operating temperature range between -4°F and 122°F (-20°C and 50°C).
5. Suitable for use in dry and damp environments.
6. Maximum mounting distance between tube and ballast is 20 feet.
7. Please read all installation instructions before attempting installation.
8. For detailed warranty information, please see www.sylvania.com.
### Lamp Dimensions

<table>
<thead>
<tr>
<th></th>
<th>(A) Max. Overall Length (in./mm)</th>
<th>(B) Base Face to Opposite Pin (in./mm)</th>
<th>(C) Max. Base Face to Base Face(in./mm)</th>
<th>(D) Max. Outside Diameter (in./mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED25T8</td>
<td>45.80/1163</td>
<td>Min. 45.42/1154</td>
<td>Min. 45.16/1147</td>
<td>0.67/17.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Max. 45.52/1156</td>
<td>Max. 45.24/1149</td>
<td></td>
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</tbody>
</table>

### Specifications & Lighting Data

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Ballast</th>
<th>Current (AMPS)</th>
<th>System Power (W)</th>
<th>System Lumens (lm)</th>
<th>System Efficacy (lm/W)</th>
<th>No. of Lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED25T8HO</td>
<td>GHE2x64T8HOJUN/PSN</td>
<td>0.52/0.22</td>
<td>56</td>
<td>7000</td>
<td>125</td>
<td>2</td>
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</tbody>
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### Warranty

SubstiTUBE® LED T5HO lamps are covered by a 5 year limited warranty (24/7 operation).

For additional details, please visit www.sylvania.com/warranty.