SubstiTUBE® Value LED T8

Compatible LED T8 for use with instant start and select programmed rapid start (parallel wiring) electronic T8 ballasts

Key Features & Benefits
- Available in 4ft
- CCT: 3000K, 3500K, 4100K, 5000K
- Beam angle: 220°
- Compatible with instant start and select programmed rapid start (parallel-wiring) electronic T8 ballasts with input voltage of 120-277V and 347V
- THD <20%, power factor >0.90
- G13 medium bi-pin base
- Long life: 36,000 hour life (L70)
- 3 year limited lamp warranty (24/7 operation)

- Reduces energy consumption up to 34%
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Optimized glass optical design
- No UV emission
- Suitable for dry and damp locations (cannot come in direct contact with water)
- Maximize energy savings with occupancy sensors

Product Offering

<table>
<thead>
<tr>
<th>Color</th>
<th>Length</th>
<th>Temperature</th>
<th>CRI</th>
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<tr>
<td></td>
<td>48in.</td>
<td>3000K, 3500K, 4100K, 5000K</td>
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SylvaNIA SubstiTUBE Value LED T8 lamps are an energy saving alternative, designed to replace traditional fluorescent T8 lamps. These LED T8 lamps contain no mercury, provide instant light and a uniform light distribution with an optimized glass optic design.

Engineered to operate on existing instant start and select programmed rapid start electronic T8 ballasts, these lamps minimize labor costs. Because the SubstiTUBE Value LED T8 is not affected by switching cycles, the use of occupancy or vacancy sensors can be installed with the existing instant start ballasts for optimal energy savings.

Application Information

Applications
- Cove lighting
- Display case
- General illumination
- Parking garage
- Tunnels

Specifications and Certifications

UL
UL
US
NSF
RoHS Compliant
### Ordering Information

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Ordering Abbreviation</th>
<th>Length</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>
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<tr>
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<td>LED17/T8/L48/FG/830/SUB/G7</td>
<td>4ft</td>
<td>17</td>
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*Lamp Power and Lamp Lumens rated on QHE1X32T8/UNV ISN

### 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>
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<tr>
<td>LED17T8/L48</td>
<td>GHE3X32T8/UNV ISL</td>
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### Assembly Diagram

- **L1**: End of Base Pin to End of Opposite Pin End
- **L2**: Base Face to End of Opposite Base Pin
- **L3**: Base Face to Base Face
- **L4**: Bulb Outside Diameter

**Product Description**

- LED17T8/L48 (4ft) 47.725" ± 0.055" (1212.2mm ± 1.4mm)
- LED17T8/L48 (4ft) 47.45" ± 0.05" (1205.25mm ± 1.25mm)
- LED17T8/L48 (4ft) max 47.22" (1199.4mm)
- LED17T8/L48 (4ft) 1.02" ± 0.08" (25.3mm ± 2.0mm)

- **Tc point location next to label**
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. Not intended for use with older dedicated voltage (120V or 277V) ballasts. These ballasts have electronic components that degrade over time and may become unsuitable for the new LED T8 lamp.
3. 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.
4. 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.
5. For instant start ballasts, use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration.
6. For Programmed Rapid Start ballasts (parallel wired), use rapid-start lamp holders (non-shunted lamp holders).
7. De-lamp is not allowed for ISH ballasts. For approved ISN and ISL ballasts, de-lamp is allowed for only 1 lamp so long as the ballast factor remains below 1.20 (for example, 4 lamp ballast can de-lamp to 3 lamps).
8. Operating temperature range between -4°F and 122°F (-20°C and 50°C).
10. Maximum mounting distance between tube and ballast is 20 feet.
11. Please read all installation instructions before attempting installation.
12. For detailed warranty information, please see www.sylvania.com

Warranty
SubstiTUBE® Value LED T8 lamps are covered by a 3 year limited warranty (24/7 operation).
For additional details, please visit www.sylvania.com/warranty.