**Electrical Specifications**

<table>
<thead>
<tr>
<th>T8 LED Lamp Brand</th>
<th>T8 LED Lamp Description</th>
<th>T8 LED Lamp Model No.</th>
<th>T8 LED Lamp Ordering Code</th>
<th>Bare Lamp Watts (W)</th>
<th>Nom. Initial Lumens</th>
<th>Min. Start Temp (°F/°C)</th>
<th>Num. of Lamps</th>
<th>Input Current (A)</th>
<th>Input Power (W)</th>
<th>Max THD%</th>
<th>Power Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philips</td>
<td>LED InstantFit T8 - 4' U-Bent -6&quot; High Output</td>
<td>452664 9290011196</td>
<td>16.5T8/22.5-3000 IF 10/1</td>
<td>16.5T8/22.5-3000 IF 10/1</td>
<td>2000</td>
<td>-13/-25</td>
<td>2</td>
<td>0.33/0.14</td>
<td>40</td>
<td>10</td>
<td>0.99/0.97</td>
</tr>
<tr>
<td>Philips</td>
<td>LED InstantFit T8 - 4' High Output</td>
<td>452672 9290011197</td>
<td>16.5T8/22.5-3500 IF 10/1</td>
<td>16.5T8/22.5-3500 IF 10/1</td>
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<td>-13/-25</td>
<td>2</td>
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<td>40</td>
<td>10</td>
<td>0.99/0.97</td>
</tr>
<tr>
<td>Philips</td>
<td>LED InstantFit T8 - 3' High Output</td>
<td>452680 9290011198</td>
<td>16.5T8/22.5-4000 IF 10/1</td>
<td>16.5T8/22.5-4000 IF 10/1</td>
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<td>-13/-25</td>
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<td>40</td>
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<td>0.99/0.97</td>
</tr>
<tr>
<td>Philips</td>
<td>LED InstantFit T8 - 2' High Output</td>
<td>452696 9290011199</td>
<td>16.5T8/22.5-5000 IF 10/1</td>
<td>16.5T8/22.5-5000 IF 10/1</td>
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<td>0.33/0.14</td>
<td>40</td>
<td>10</td>
<td>0.99/0.97</td>
</tr>
</tbody>
</table>

**Driver Specifications @120V/277V**

- **Status**: Active
- **Input Voltage**: 120-277V
- **Input Frequency**: 50/60 Hz

**Data is based on tests performed by Philips Lighting NA in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.**

**Revised**: 07/28/15

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**Wiring Diagram**

![Wiring Diagram](image)

**Enclosure**

![Enclosure](image)

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**Philips Lighting N.A.**

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Section I - Physical Characteristics
1.1 Driver shall be physically interchangeable with standard electromagnetic or standard electronic ballasts, where applicable.
1.2 Driver shall be provided with integral leads color coded per ANSI C82.11.

Section II - Performance Requirements
2.1 Driver shall energize compatible LED lamps within 1 second after mains power is applied.
2.2 Driver shall provide Independent Lamp Operation (ILO) allowing remaining lamp(s) to maintain full light output when one or more lamps fail.
2.3 Driver shall contain auto restart circuitry in order to restart lamps without resetting power.
2.4 Driver shall operate from a 50Hz or 60 Hz AC input source of 120V through 277V with sustained variations of +/- 10% (voltage and frequency).
2.5 Driver shall be high frequency electronic type and operate lamps at frequencies above 42 kHz to avoid interference with infrared devices and eliminate visible flicker
2.6 Driver shall have a Power Factor of 0.94 or above when operating the maximum rated number of compatible lamps, and 0.88 or above when operating the minimum rated number of compatible lamps.
2.7 Driver input current shall Total Harmonic Distortion (THD) of 10% or less when operating the maximum rated number of compatible lamps and 15% or less when operating the minimum rated number of compatible lamps.
2.8 Driver shall have a Class A sound rating.
2.9 Driver shall have a minimum starting temperature of -13°F / -25°C.
2.10 Driver shall tolerate sustained open circuit and short circuit output conditions.
2.11 Driver shall be capable of operating lamps remotely and in tandem for wire lengths up to 20 ft.
2.12 Driver shall be suitable of operation in up to a 45°C ambient temperature.

Section III - Regulatory Requirements
3.1 Driver shall not contain any Polychlorinated Biphenyl (PCB).
3.2 Driver shall be Underwriters Laboratories (UL) Recognized, Class P, and suitable for Damp and Dry conditions; and CSA Certified where applicable.
3.3 Driver shall comply with ANSI C62.41 Category A Transient protection.
3.4 Driver shall comply with the requirements of the Federal Communication Commission (FCC) rules and regulations, Title 47, CFR part 15, Non-Consumer (Class A) for EMI/RFI (conducted and radiated).
3.5 Driver shall comply with NEMA 410 for in-rush current limits.

Section IV - Other
4.1 Driver shall be manufactured in a factory certified to ISO 9001 Quality System Standards.
4.2 Driver shall carry a five year warranty from date of manufacture against defects in material and workmanship when operating in a 45°C ambient