**ESPT Series**

Constant Current LED Drivers with Tri-Mode Dimming™ (0-10 V & TRIAC/ELV)

<table>
<thead>
<tr>
<th>Nominal Input Voltage</th>
<th>Max. Output Power</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Efficiency</th>
<th>Max. Case Temperature</th>
<th>THD</th>
<th>Power Factor</th>
<th>Dimming Method</th>
<th>Dimming Range</th>
<th>Startup Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 to 277 Vac</td>
<td>60 W</td>
<td>24 to 42 Vdc</td>
<td>1050 mA to 1.4 A CC</td>
<td>up to 87% typical</td>
<td>90°C (measured at the hot spot)</td>
<td>&lt; 20%</td>
<td>&gt; 0.9</td>
<td>Forward-Phase, Reverse-Phase &amp; 0 - 10 V</td>
<td>1 - 100% (% of Iout)</td>
<td>300 ms typical</td>
</tr>
</tbody>
</table>

**FEATURES**

- Same as ESP series but with thermally-enhanced IP66 case
- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- ESPTxxxxW: TRIAC and ELV dimming only at 120 Vac.
- ESPTxxxxE: TRIAC and ELV dimming only at 230 Vac.
- Linear 0-10 V dimming transfer function: 10V=100%, 1V=10%, 0.1V=1%. Models with the “Z1” exhibit a non-linear 0-10 V dimming profile (10V to 9.1V=100%, 1V to 0.8V=1%, <0.8V dim-to-off).
- Lifetime: 50,000 hours at 70°C case temperature
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac)/Class A (277 Vac) and EN55015 (CISPR 15) at 220/230/240 Vac
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- IP66-rated case with silicone-based potting
- 90°C maximum case temperature
- Class 2 power supply

**APPLICATIONS**

- Commercial lighting
- Architectural lighting
- Residential lighting
- Wide-area downlights

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