**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>40W</td>
<td>48W @ 120V</td>
<td>0.4A @ 120V</td>
<td>&gt;0.95</td>
<td>&lt;20%</td>
<td>24-29V</td>
<td>1400mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>64</td>
<td>84%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
<tr>
<td></td>
<td>47W @ 277V</td>
<td>0.18A @ 277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36W</td>
<td>42W @ 120V</td>
<td>0.35A @ 120V</td>
<td>&gt;0.95</td>
<td>&lt;20%</td>
<td>24-29V</td>
<td>1250mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>64</td>
<td>84%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
<tr>
<td></td>
<td>42W @ 277V</td>
<td>0.16A @ 277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30W</td>
<td>34W @ 120V</td>
<td>0.29A @ 120V</td>
<td>&gt;0.95</td>
<td>&lt;20%</td>
<td>24-29V</td>
<td>1050mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>64</td>
<td>84%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
<tr>
<td></td>
<td>35W @ 277V</td>
<td>0.14A @ 277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20W</td>
<td>22W @ 120V</td>
<td>0.18A @ 120V</td>
<td>&gt;0.95</td>
<td>&lt;20%</td>
<td>24-29V</td>
<td>700mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>64</td>
<td>84%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
<tr>
<td></td>
<td>23W @ 277V</td>
<td>0.09A @ 277V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SAFETY & PERFORMANCE:**

- Class P Listed
- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
- No PCBs
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C
- IP64
- Open/Short Circuit Protection
- Warranty: 5 yrs based on max case temp of <75°C; 3 yrs based on max case temp of 90°C*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (3 KV)

**INSTALLATION:**

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation

**WIRING:**

- Black (Line) 5.9”
- Blue (Neutral) 5.9”
- Purple 7.1”
- White 5.9”
- Red 5.9”
- Gray 7.1”

**PHYSICAL:**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Length</th>
<th>Mounting Length</th>
<th>Weight</th>
<th>Case Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6.5”</td>
<td>5.9”</td>
<td>0.83 lbs.</td>
<td>40 pcs.</td>
</tr>
<tr>
<td>Width</td>
<td>2.9”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>1.18”</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

©2019 - APT.09 First Batch
Revised 03/26/2019

*AC Electronics/AC LED Power Designs warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See aceleds.com for complete warranty policy.

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.
Performance Characteristics

Life Time v.s. Case Temperature Curve

Case Temperature Curve (°C)

Derating Curve

Load (%)

Outside Driver Ambient Temperature (°C)

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.
Performance Characteristics

Efficiency v.s. Load

Load (%)

Efficiency (%)

Power Factor v.s. Load

Load (%)
Performance Characteristics

Output Current v.s. Dimming

Dimming (0-10V)

Output Current v.s. Resistance

Resistance (KΩ)

Output Current (A)

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.