**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Output Power</th>
<th>Input Power</th>
<th>Input Current</th>
<th>Min PF (full load)</th>
<th>Max THD (full load)</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>T case Max</th>
<th>Min Starting Temp**</th>
<th>IP Rating</th>
<th>Efficiency Up To</th>
<th>Dimming Protocol</th>
<th>Dimming Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>50W</td>
<td>60W</td>
<td>0.17A@347V</td>
<td>&gt;0.90</td>
<td>&lt;20</td>
<td>15-55V</td>
<td>400mA-1400mA</td>
<td>90°C</td>
<td>-40°C</td>
<td>64</td>
<td>85%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
</tbody>
</table>

**SAFETY:**

- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C
- 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)
- Dim-To-Off Programming Option
  - Active: Code = 78 05 01 01
  - Inactive: Code = 78 05 00 01

**INSTALLATION:**

- Max Remote installation distance is 18 ft
- LED drivers shall be installed inside electrical enclosures
- LED driver cases should be grounded
- 18 AWG 600V/105°C tinned stranded copper lead-wires are required for installation

**PHYSICAL:**

- Dimensions
  - Length: 12.4"  
  - Width: 1.08"  
  - Height: 1.3"  
  - Mounting Length: 11.8"

The LED Driver Type TL Program is intended to assist you in gaining greater market access for your LED drivers. This service is also intended to assist end-product LED Luminaire manufacturers improve their speed-to-market by making it easy to source a compliant LED Driver.

**WIRING:**

![Wiring Diagram]

*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.

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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.
**Phone Instructions**

First you must have a Android device (phone/tablet) with NFC-V app downloaded.
Open App; then place the device on top of the driver matching up sensors untile it syncs up

Basic format

Write

Insert the appropriate code from chart above

Write

Successfully written will appear

**IOUT/VOUT CURVE**

Use with NFC-V Reader App Available Free at Google App Store

<table>
<thead>
<tr>
<th>Output Current[A]</th>
<th>Output Voltage[V]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>60</td>
</tr>
<tr>
<td>0.4</td>
<td>55</td>
</tr>
<tr>
<td>0.6</td>
<td>50</td>
</tr>
<tr>
<td>0.8</td>
<td>45</td>
</tr>
<tr>
<td>1.0</td>
<td>40</td>
</tr>
<tr>
<td>1.2</td>
<td>35</td>
</tr>
<tr>
<td>1.4</td>
<td>30</td>
</tr>
<tr>
<td>1.6</td>
<td>25</td>
</tr>
</tbody>
</table>

Performance Characteristics

Life Time v.s. Case Temperature Curve

Case Temperature Curve (°C)

Derating Curve 347V

Outside Driver Ambient Temperature (°C)

Load (%)
Performance Characteristics

Efficiency v.s. Load

![Efficiency Graph]

Power Factor v.s. Load

![Power Factor Graph]
Performance Characteristics

Output Current v.s. Dimming

Output Current v.s. Resistance