**DESCRIPTION**

LED Driver | 22W | 120-277V Input | 350-1100mA Output

**TOTAL POWER:** 22W  
**OUTPUT CURRENT:** 350-1100mA

**INPUT VOLTAGE:** 120–277Vac ± 10%  
**DIMMING:** 0-10V

**INPUT FREQUENCY:** 50/60 Hz  
**WARRANTY:** 5 Years

**ELECTRICAL SPECIFICATIONS**

- **Input Voltage Range:** 120–277Vac ± 10%
- **Frequency:** 50/60Hz
- **Power Factor:** > 0.9 under 120–277Vac input with 80–100% load condition (For All Output Currents)
- **Inrush Current:** 30A @277V
- **Max. Input Current:** 0.25A @120V, 0.14A @240V and 0.12A @277V
- **THD:** < 20% under 120–277Vac input with 80–100% Load Condition (For All Output Currents)
- **Load Regulation:** ± 2%
- **Line Regulation:** ± 2%
- **Output Tolerance:** ± 5% at Full Load Condition
- **Turn-On Delay Time:** < 0.5s at Full Load Condition
- **Overshoot:** < 10% at Full Load Condition
- **No Load Power Consumption:** < 2W
- **Ripple & Noise (pk-pk):** < 10%
- **Withstand Voltage:** Input to output, 2,800Vdc, 2mA
- **Leakage Current:** Maximum 0.5mA at 277Vac, 60Hz input
- **Protection:**
  - **Over voltage protection:** Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed.
  - **Over current protection:** Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed.
  - **Short circuit protection:** Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
  - **Over temperature protection:** Protection will trigger when driver overheat and auto-recovery when cooled down.

**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Max. Output Power</th>
<th>Output Current</th>
<th>Output Voltage</th>
<th>OCV</th>
<th>Typical Efficiency at 120V</th>
<th>Typical Efficiency at 240V</th>
<th>Typical Efficiency at 277V</th>
<th>Remote Mounting Distance (#18AWG)</th>
<th>Class 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTLD-22-UV-350-VDIM-L7</td>
<td>22W</td>
<td>350mA</td>
<td>32-63V</td>
<td>70V</td>
<td>84%</td>
<td>83%</td>
<td>83%</td>
<td>109 ft</td>
<td>US Canada</td>
</tr>
<tr>
<td>KTLD-22-UV-400-VDIM-L7</td>
<td>22W</td>
<td>400mA</td>
<td>28-55V</td>
<td>60V</td>
<td>84%</td>
<td>83%</td>
<td>83%</td>
<td>96 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-500-VDIM-L7</td>
<td>22W</td>
<td>500mA</td>
<td>22-44V</td>
<td>48V</td>
<td>84%</td>
<td>83%</td>
<td>83%</td>
<td>76 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-600-VDIM-L7</td>
<td>22W</td>
<td>600mA</td>
<td>18-36V</td>
<td>40V</td>
<td>83%</td>
<td>83%</td>
<td>83%</td>
<td>64 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-700-VDIM-L7</td>
<td>22W</td>
<td>700mA</td>
<td>16-32V</td>
<td>36V</td>
<td>83%</td>
<td>82%</td>
<td>82%</td>
<td>54 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-800-VDIM-L7</td>
<td>22W</td>
<td>800mA</td>
<td>14-28V</td>
<td>32V</td>
<td>83%</td>
<td>82%</td>
<td>82%</td>
<td>48 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-900-VDIM-L7</td>
<td>22W</td>
<td>900mA</td>
<td>12-24V</td>
<td>38V</td>
<td>83%</td>
<td>82%</td>
<td>82%</td>
<td>42 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-1000-VDIM-L7</td>
<td>22W</td>
<td>1000mA</td>
<td>12-22V</td>
<td>26V</td>
<td>82%</td>
<td>82%</td>
<td>82%</td>
<td>38 ft</td>
<td></td>
</tr>
<tr>
<td>KTLD-22-UV-1100-VDIM-L7</td>
<td>22W</td>
<td>1100mA</td>
<td>12-20V</td>
<td>24V</td>
<td>82%</td>
<td>82%</td>
<td>82%</td>
<td>34 ft</td>
<td></td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL SPECIFICATIONS**

- **Operating Temperature:** -40 to 60°C
- **Storage Temperature:** -40 to 85°C
- **Humidity:** 5% to 95%
- **MTBF:** 510,000 hours at 40°C ambient (~70°C Case temp)
- **Life Rating:** 85,000 hours at 120Vac input, 100% load and 60°C case temperature
- **Maximum Case Temperature:** 90°C

**SAFETY AND EMC COMPLIANCE**

- **UL/cUL:** UL 8750, Class P, Type HL
- **CE:** EN61347-1, EN61347-2-13
- **FCC, 47CFR Part 15:** ANSI C63.4:2009 Class B (Consumer Limit)
- **EN61000-3-2:** Harmonic Current Emissions Class C

Specifications subject to change. Last revised on 1.31.2018
**KTLD-22-UV-XXX-VDIM-L7-CP**

**CONSTANT CURRENT LED DRIVER**

**PHYSICAL SPECIFICATIONS**

**WIRING DIAGRAM**

**WIRING SPECIFICATIONS**

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>PACKAGING STYLE</th>
<th>PACK QTY</th>
<th>ITEM STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTLD-22-UV-XXX-VDIM-L7-CP</td>
<td>Carton Pack</td>
<td>TBD</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

Keystone Technologies  
LED Driver  
Max. Output Wattage  
120-277V Input  
Output Current  
0-10V Dimming  
Case Style  
Packaging Style