Constant Current LED Driver

**Model Number**
AC-150CD700GA7
AC-150CD700GBA7

**Input Voltage:** 347 - 480V +/- 10%
**Input Frequency:** 50/60Hz

Side and Bottom Mount/Leads
Dim-to-Cool

### ELECTRICAL SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Output Power</th>
<th>Input Current</th>
<th>Input Power</th>
<th>Min PF (full load)</th>
<th>Max THD (full load)</th>
<th>Output Voltage</th>
<th>IP Rating</th>
<th>Min Start Temp</th>
<th>Dimming Protocol</th>
<th>Dimming Range</th>
<th>Efficiency Up To</th>
</tr>
</thead>
<tbody>
<tr>
<td>150W</td>
<td>0.48@347V</td>
<td>165W</td>
<td>&gt;0.9</td>
<td>&lt;20</td>
<td>130-214</td>
<td>66</td>
<td>700mA +/-10%</td>
<td>90'C</td>
<td>-40'C</td>
<td>10 to 100%</td>
</tr>
</tbody>
</table>

### PHYSICAL:

**Dimensions**
- AC-150CD700GA7
  - Length: 9.5"
  - Width: 2.4"
  - Height: 1.57"
- AC-150CD700GBA7
  - Bottom Mount
  - Mounting Length: 8.9"

**Dimmer Compatibility Chart**
- LEVITON DS710-10Z
- LUTRON NFTV
- LUTRON DVTV-WH

### SAFETY:
- UL and cUL Recognized
- UL Outdoor Type 1
- 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 (6 Kv)

### INSTALLATION:
- IP 66 Harsh Waterproof
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation

*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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Revised 07/28/2017

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  347V - 480V

Outside Driver Ambient Temperature (°C)
Performance Characteristics

Efficiency v.s. Load

![Efficiency graph showing efficiency (%) vs. load (%). The graph shows two lines, one for 347V and another for 480V, demonstrating the efficiency performance across different load percentages.](image)

Power Factor v.s. Load

![Power Factor graph showing power factor (PF) vs. load (%). The graph shows two lines, one for 347V and another for 480V, demonstrating the power factor performance across different load percentages.](image)

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Performance Characteristics

Output Current v.s. Dimming

Output Current v.s. Resistance

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