

LED Power Supply



Outdoor Dimming Driver
(D150MC/VD1P700S)



Outdoor Dimming Driver

GED150MC/VD1P700S; SAP: 95033834; PC: 32047

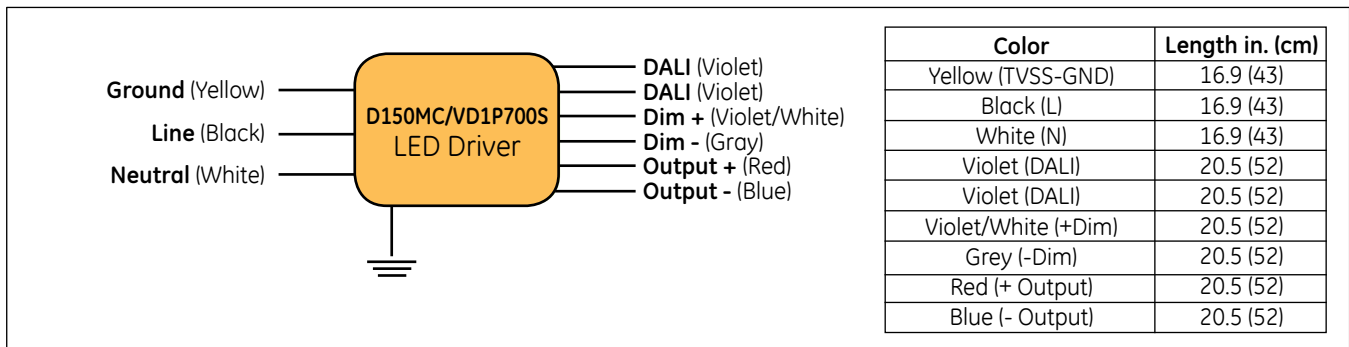
Description: 150W 0.3/0.7A DALI/Dimmable/Programmable LED Driver

Input Voltage: 120V/277V/230V

Input Frequency: 50/60Hz

ROHS Compliant: Yes

Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency Full Load	Max Input Current (A)	Max THD @60W Output	Min PF @60W Output	Max Inrush Current (A)	Surge Protection (kV/kA)	Isolated Dimming			Weight (lbs/kg)	IP Rating	
									Protocol	Current Source	Dimming Range @Full Load			
150	Programmable Max 0.3–0.7	100-290	>90%	1.5 @120V 0.6 @277V 0.8 @230V	<15%	>0.9	90	10/5	DALI	0-10V	0.5mA	100%-10%	0.9 kg	IP66



Product Features

Physical

- Unit must be installed within an electrical enclosure.
- Enclosure wiring must be rated to 600V & 105°C or higher.

Performance

- The unit is classified as Class 1 as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Classified as Class II and Class I as per IEC 61140
- Minimum ambient operating temperature: -40°C.
- Maximum allowable casing temperature: 85°C.
- For reliability and failure rate information, contact LED Outdoor Electronics Team.
- Thermal overload protected Drivers. The unit will reduce output current if the case temperature exceeds 85°C.
- The unit is UL certified for operation in dry/damp locations (Outdoor Type 1).
- The unit is tolerant of extended open circuit and short circuit conditions.
- The unit is compliant to FCC Title 47 Part 15 Class A and EN55015:2013.
- The unit is resistant to surges as per IEEE/ANSI C136.2-2015 Location C (10kV/5kA) and EN61000-4-5:2006 (10kV/5kA).

Programmable Features

- Output current
- Dimming Level
- Constant Light Output
- Clock Dimming

UL Conditions of Acceptability – E340135

- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to **EARTH**.
- TVSS-GND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw. **THIS IS NOT A SAFETY GROUND!**

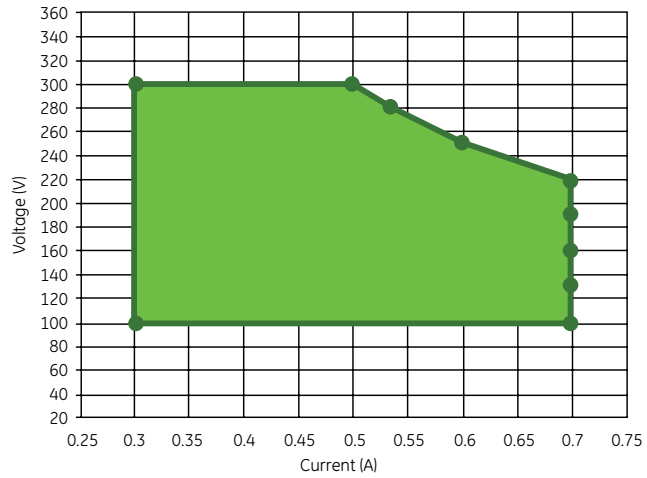
Input Inrush Current		
Input Voltage (V _{rms})	Peak Current Pulse (A _{pk})	Pulse Duration (50% of Peak) (ms)
277	90	0.2ms

Input Ground Leakage Current	
Input Voltage (V _{rms})	Leakage Current (mA)
240, 60Hz	0.56

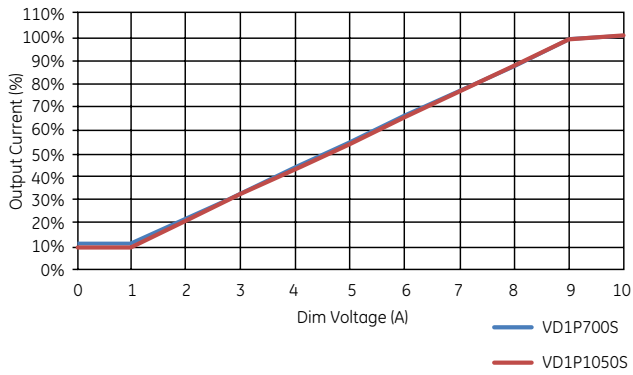
Technical Information

D150MC/VD1P700S

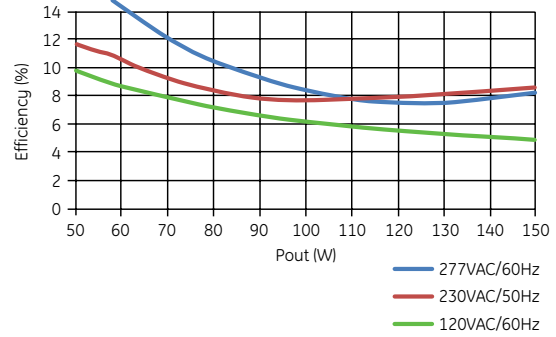
Output Voltage vs. Output Current



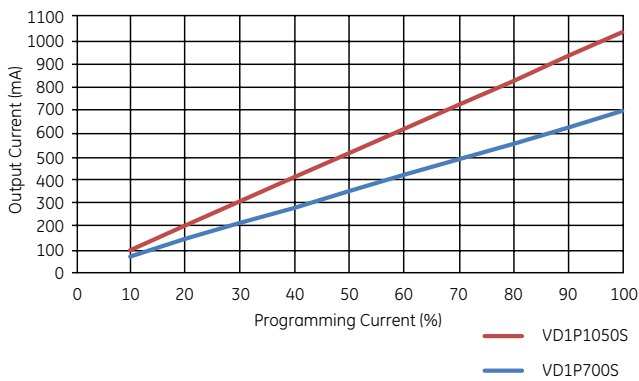
Output Current vs. Dimming Voltage



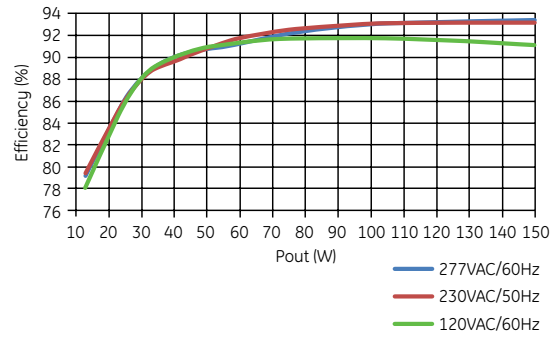
THD vs. Output Power



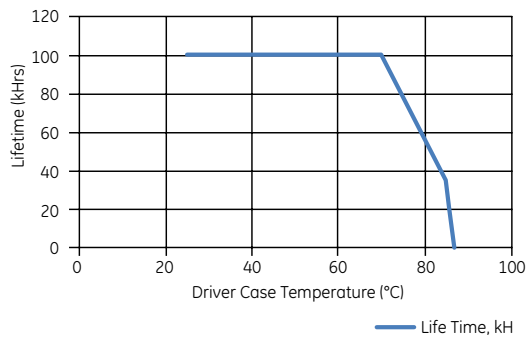
Output Current vs. Programming %Current



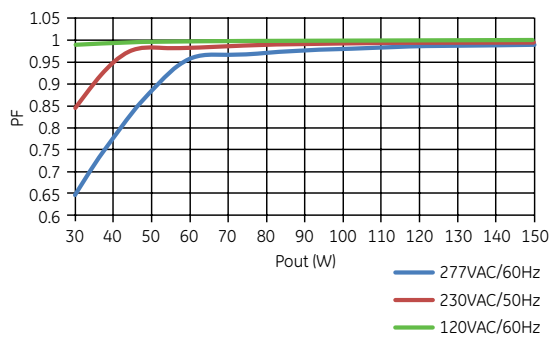
Efficiency vs. Output Power



Lifetime hH vs. Temperature case

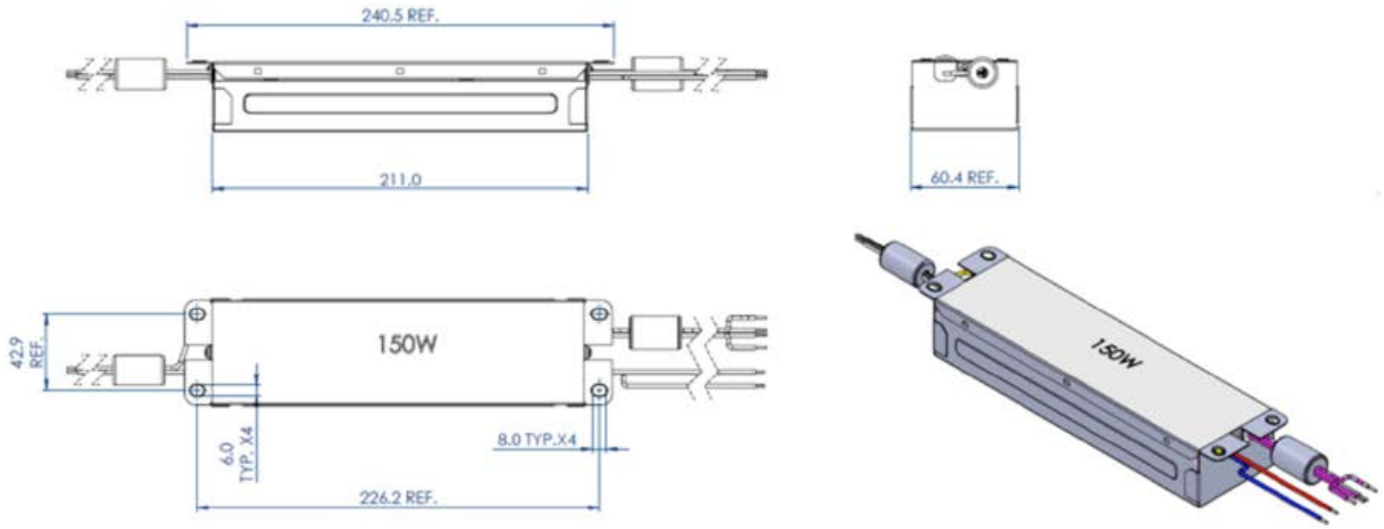




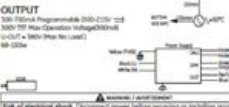




PF vs. Output Power



Product Dimensions

D150MC/VD1P700S



 <p>UltraMax™ Programmable LED Driver GED150MC/VD1P700S PC:32047 SAP:95033834</p>  <p>32047</p>	<p>INPUT Voltage: 120-277 V, 50/60 Hz per UL 250-260 V, 50/60 Hz per CE Current: 3.8 A per UL 3.8 A per CE</p> <p>OUTPUT 500 mA/250 mA Programmable (500-250 mA) 300-100 mA (Selectable Voltage/Current) 60-100mA</p>  <p>WARNING: avoid sparks! Risk of electrical shock. Disconnect power before servicing or installing product. Risque de choc électrique. Couper l'alimentation avant le dépannage ou l'installation du produit.</p>	<p>120-277V DALI and 0-10V Dimmable LED Driver Max. Start Temp: -40°C Thermal Protection Protection Thermique Class 2 per UL Class 1 and II construction per CE Firmware 021 Firmware 041 FCC Part 15, Non-Consumer High Power Factor Sound Rated A Product is compliant with material restriction requirements of RoHS. Install and ground per National Electric Code For Dry or Damp Locations</p>	<p>Made in China, Designed & Distributed by General Electric Co. GE Lighting Nelo Park, Cleveland, Ohio 44112</p>     <p>For assistance call: 1-888-MYGELED</p>
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powered by GE

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