

# LED Power Supply



Outdoor Dimming Driver  
(D150MC/VD1P1050S)

# Outdoor Dimming Driver

GED150MC/VD1P1050S; SAP: 95033835; PC: 32051

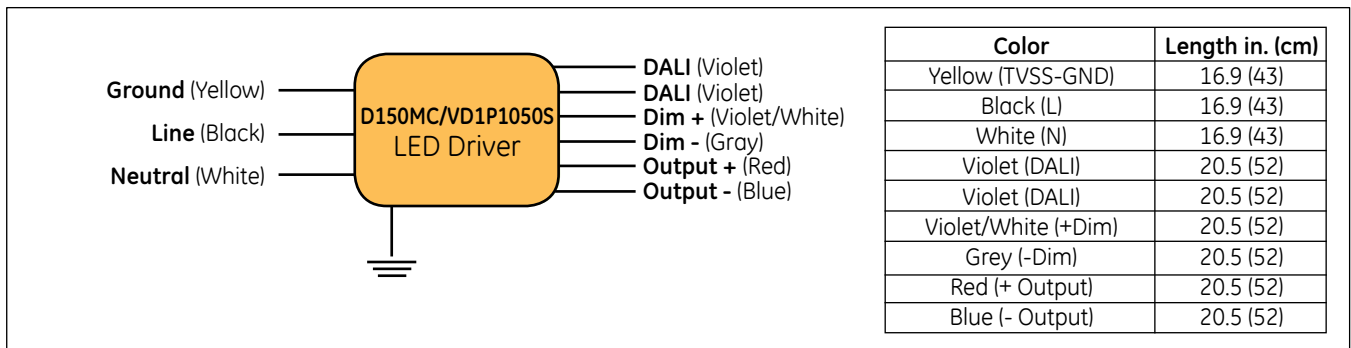
Description: 150W 0.7/1.05A DALI/Dimmable/Programmable LED Driver

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 0.7-1.05	70-215	>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) for NA Class 1 and EU Class I applications.

- The unit is resistant to surges as Per IEC61000-4-5 4kV/2kA in EU Class II applications.

### 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!**

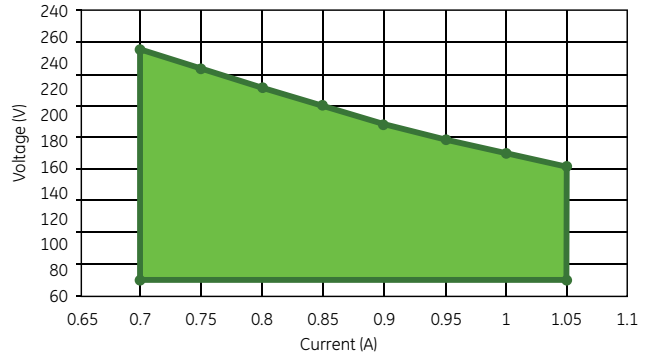
Input Inrush Current		
Input Voltage (V <sub>rms</sub> )	Peak Current Pulse (A <sub>pk</sub> )	Pulse Duration (50% of Peak) (ms)
277	90	0.2ms

Input Ground Leakage Current	
Input Voltage (V <sub>rms</sub> )	Leakage Current (mA)
240, 60Hz	0.56

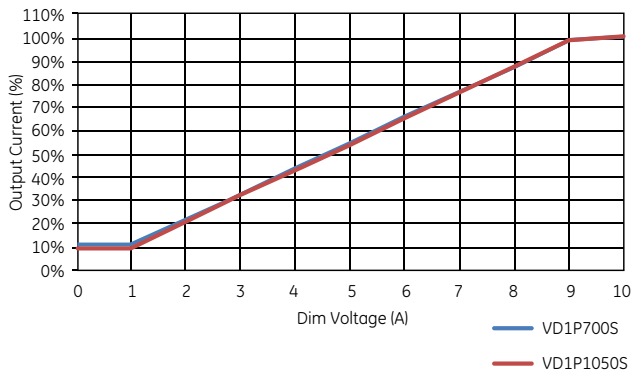
# Technical Information

## D150MC/VD1P1050S

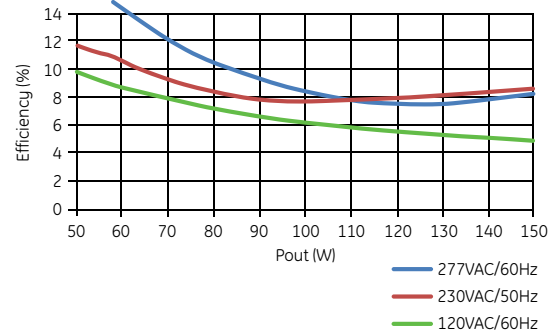
### Output Voltage vs. Current



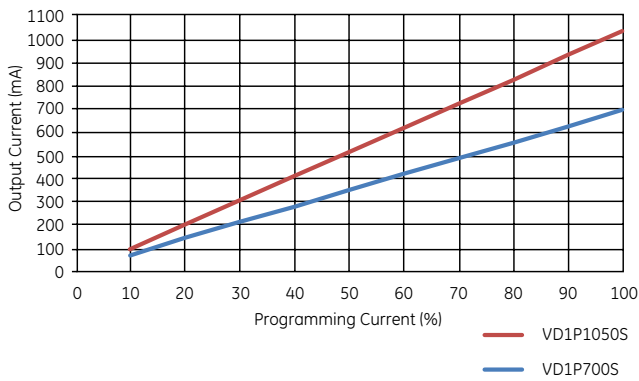
### Output Current vs. Dimming Voltage



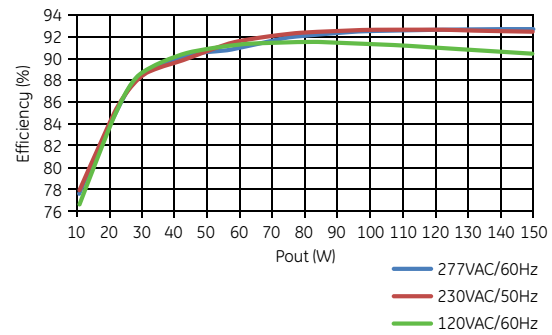
### THD vs. Output Power



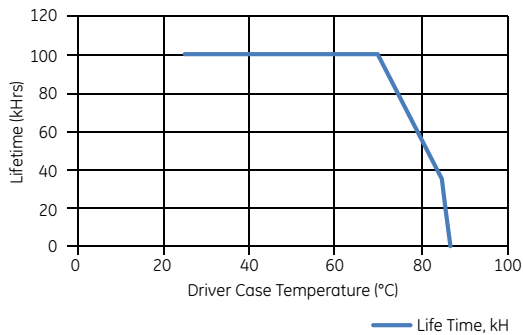
### Output Current vs. Programming %Current



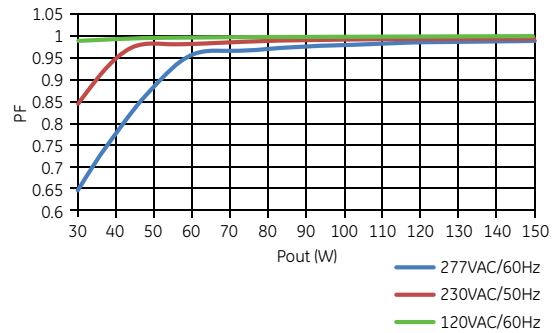
### Efficiency vs. Output Power



### Lifetime hH vs. Temperature case

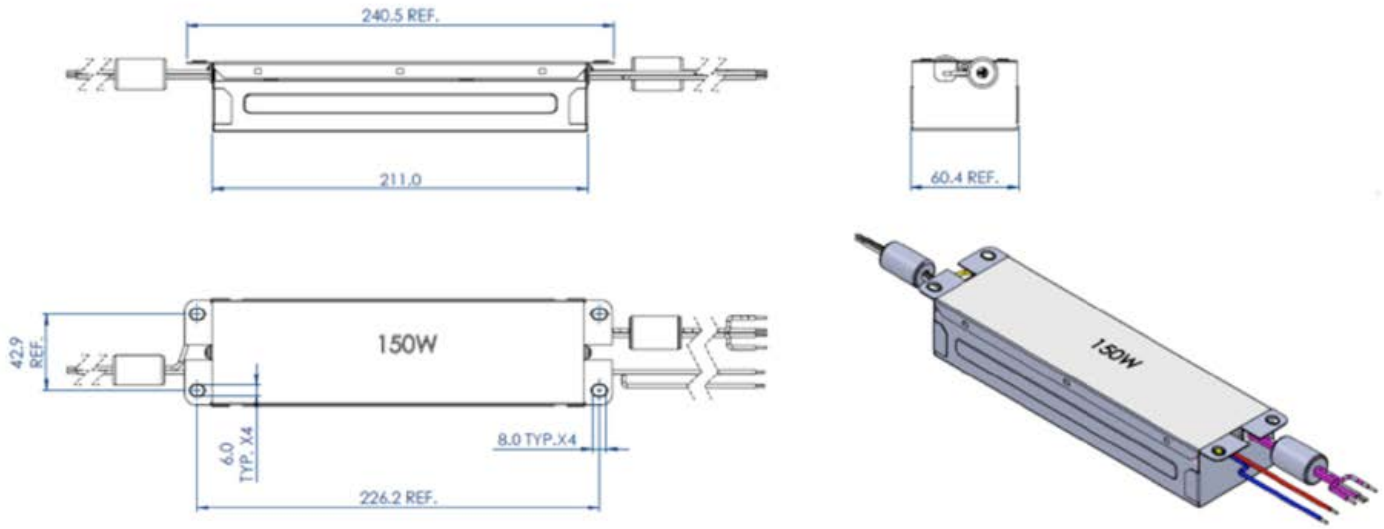




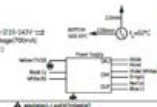



### PF vs. Output Power



# Product Dimensions

D150MC/VD1P1050S



 <p>UltraMax™ Programmable LED Driver</p> <p>GED150MC/VD1P1050S PC:32051 SAP:95033835</p>  <p>32051</p>	<p><b>INPUT</b></p> <p>Voltage 120-277V @ 50/60 Hz per UL 220-240V @ 50/60 Hz per CE Current 3.3 A per UL 3.8 A per CE</p> <p>Hi-CRI</p> <p><b>OUTPUT</b></p> <p>700-820mA Programmable (215-242V) @ 24 2.0A max. Max. Operating Voltage 700VDC</p> <p>0.9-1.0V</p>  <p><b>Warnings:</b></p> <p>Risk of electrical shock. Disconnect power before servicing or installing product. Please do not disassemble. Single failure factor device is designed for safety. Consult our website.</p>	<p>120-277V EML and 9-10V dimmable LED Driver Min. Start Temp. -40°C Thermal Protection Protection Technique: Class 3 per UL Class 1 and 2 construction per CE Firmware UL 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 &amp; Distributed by General Electric Co. GE Lighting Nela Park, Cleveland, Ohio 44112</p>    <p>For assistance call: <b>1-888-MYGELED</b></p>
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powered by GE

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