LED **Power Supply**

Outdoor Dimming Driver
(D150MC/VD1P700S)

2018 PROGRESS Report SELECTION

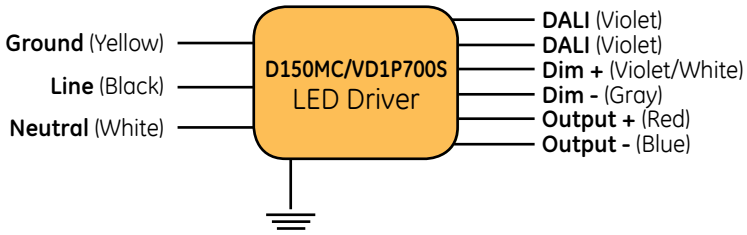
current
powered by GE

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



Color	Length in. (cm)
Yellow (TVSS-GND)	16.9 (43)
Black (L)	16.9 (43)
White (N)	16.9 (43)
Violet (DALI)	20.5 (52)
Violet (DALI)	20.5 (52)
Violet/White (+Dim)	20.5 (52)
Grey (-Dim)	20.5 (52)
Red (+ Output)	20.5 (52)
Blue (- Output)	20.5 (52)

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!**

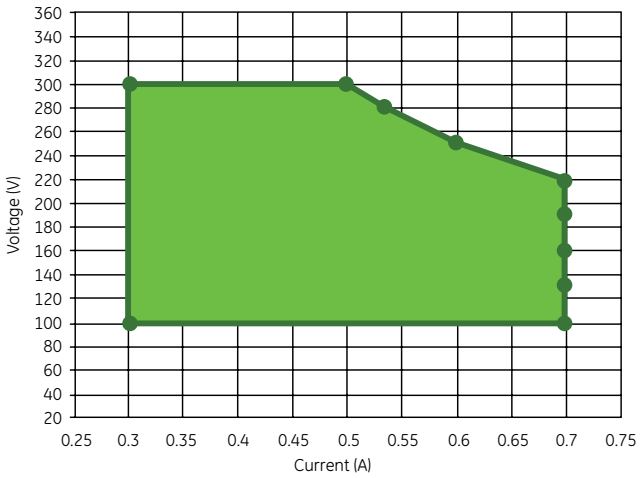
Input Inrush Current		
Input Voltage (V_{rms})	Peak Current Pulse (A_{pk})	Pulse Duration (50% of Peak) (ms)
277	90	0.2ms

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

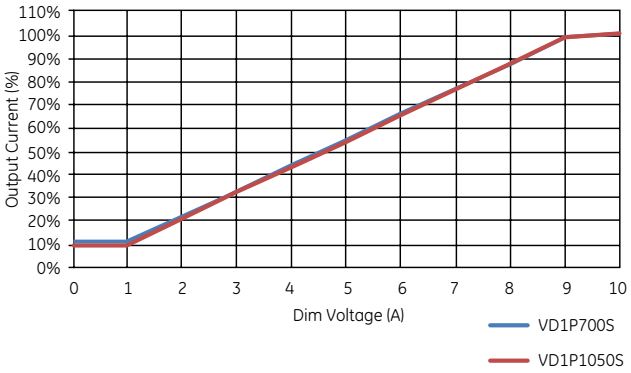
Technical Information

D150MC/VD1P700S

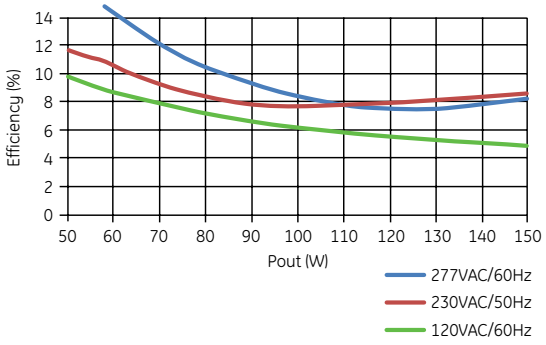
Output Voltage vs. Output Current



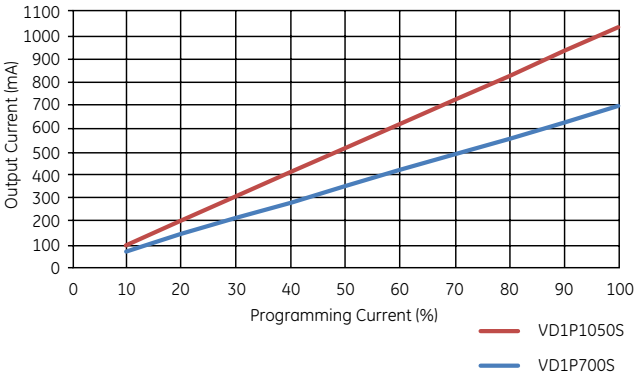
Output Current vs. Dimming Voltage



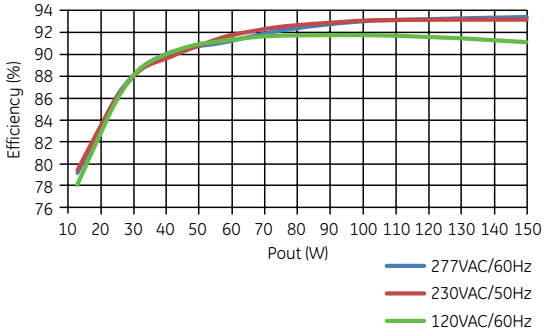
THD vs. Output Power



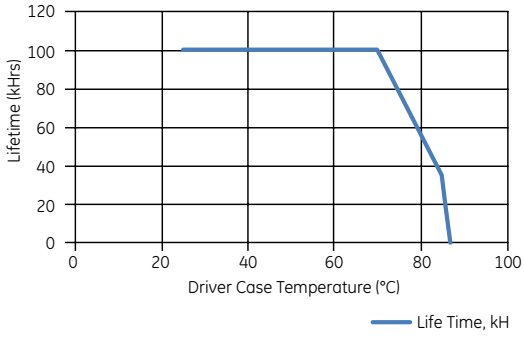
Output Current vs. Programming %Current



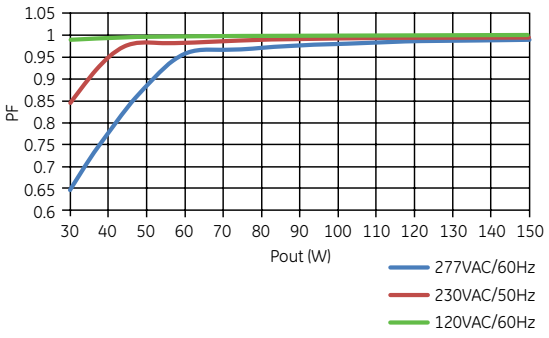
Efficiency vs. Output Power



Lifetime hH vs. Temperature case



PF vs. Output Power



Product Dimensions

D150MC/VD1P700S