

Outdoor Dimming Driver

GED100MC/VD1P700S

Description: 100W 0.3/0.7A DALI/Dimmable/Programmable Class 1 PSU

Input Voltage: 120V/277V

Input Frequency: 60Hz

ROHS Compliant: Yes



Max Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency Full load @120V	Max Input Current (A)	Max THD @50W Output	Min PF @50W Output	Max Inrush Current (A/mS)	Surge Protection (kV/kA)	Isolated Dimming				Weight (lbs/kg)	IP Rating
									Protocol		Current Source	Dimming Range @full load		
100	0.3 ±55%	142-290	>89%	1.04 @ 120V 0.45 @ 277V	20%	>0.9	See Page below		DALI	0-10V	0.5mA	100%-10%	2.2 / 1	IP66
	0.7 ± 5%	100-142							DALI	0-10V	0.5mA	100%-10%	2.2 / 1	IP66

	Color	Length in(cm)
	Black (L)	12 (30.5)
	Yellow (TVSS-GND)	12 (30.5)
	White (N)	12 (30.5)
	Violet/White(+Dim)	18(45.72)
	Grey (- Dim)	18(45.72)
	Violet (DALI)	18(45.72)
	Violet (DALI)	18(45.72)
	Red (+ Output)	18(45.72)
	Blue (- Output)	18(45.72)

Product Features

Physical

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

Performance

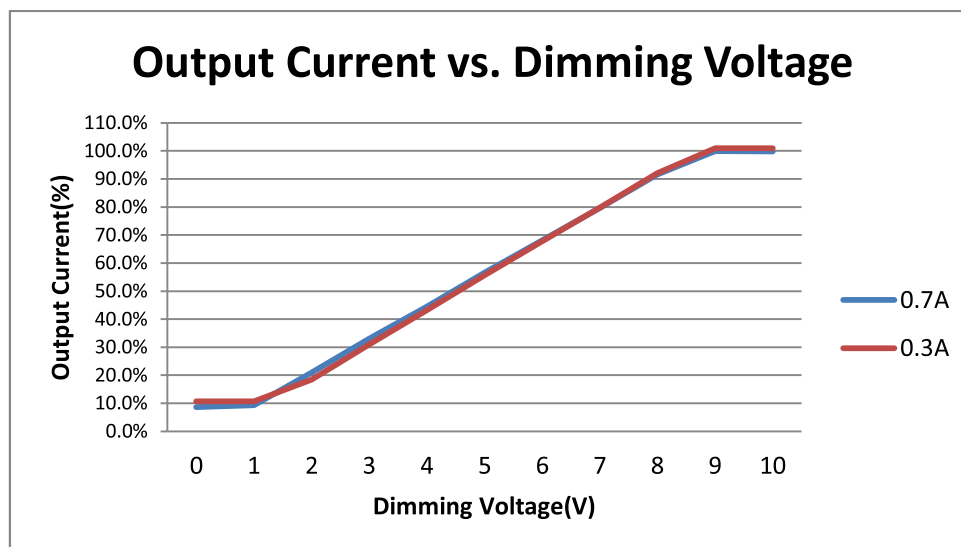
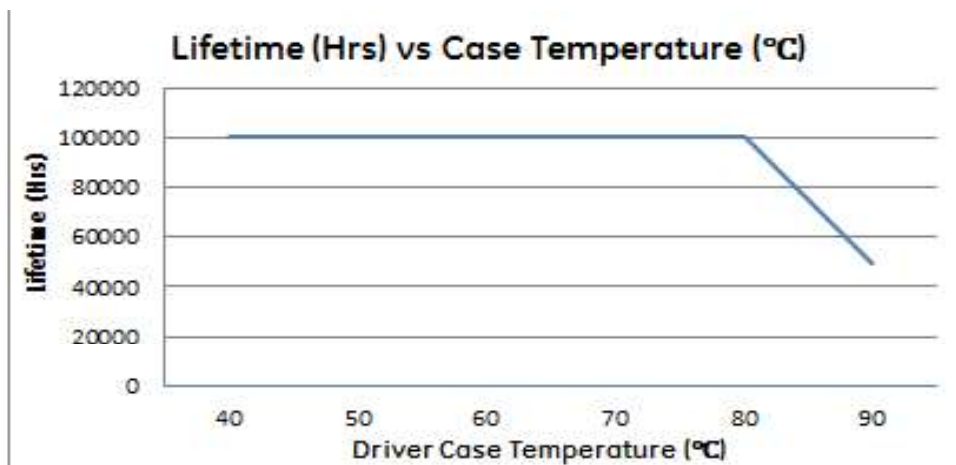
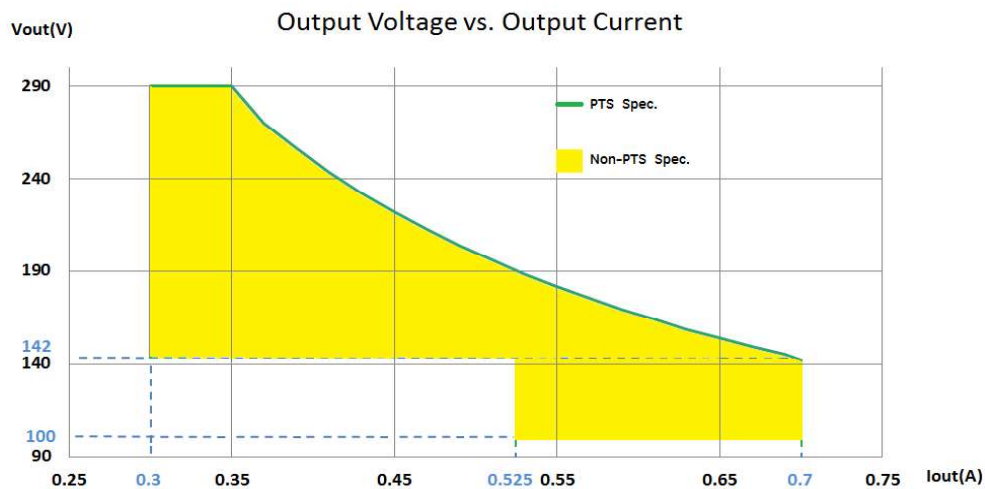
- The unit is classified as Class 1 as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable case temperature: 90°C.
- For reliability and failure rate information, contact GE Technical Sales Representative
- 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
- The unit is resistant to surges as per IEEE/ANSI C62.41.2-2002 Location C-Low (10kV/5kA)
- The unit cannot be hot plug-in at output side.

UL Conditions of Acceptability – E340135

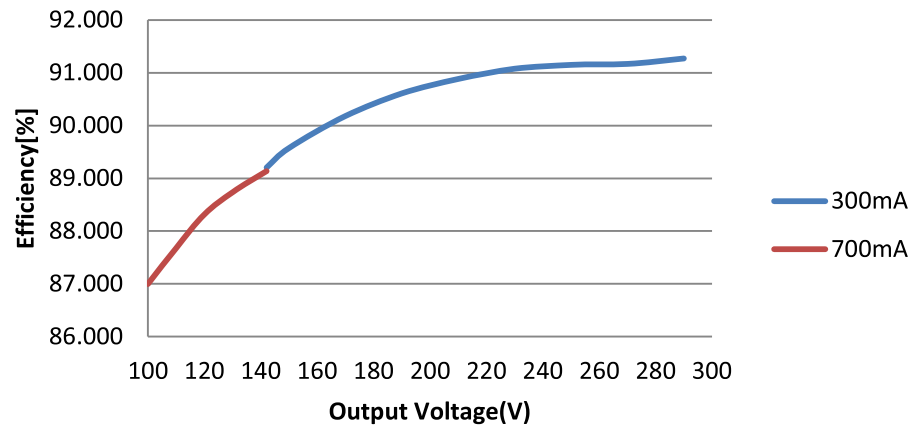
- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to EARTH.
- TVSS-GND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw.
THIS IS NOT A SAFETY GROUND!

Technical Information

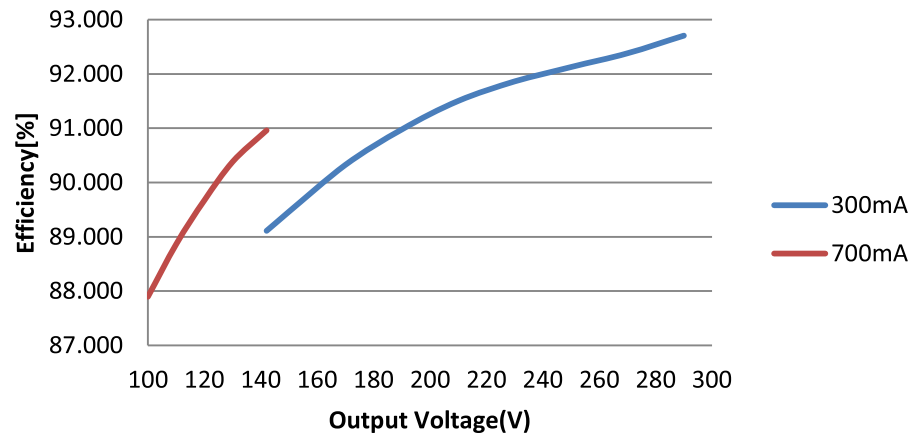
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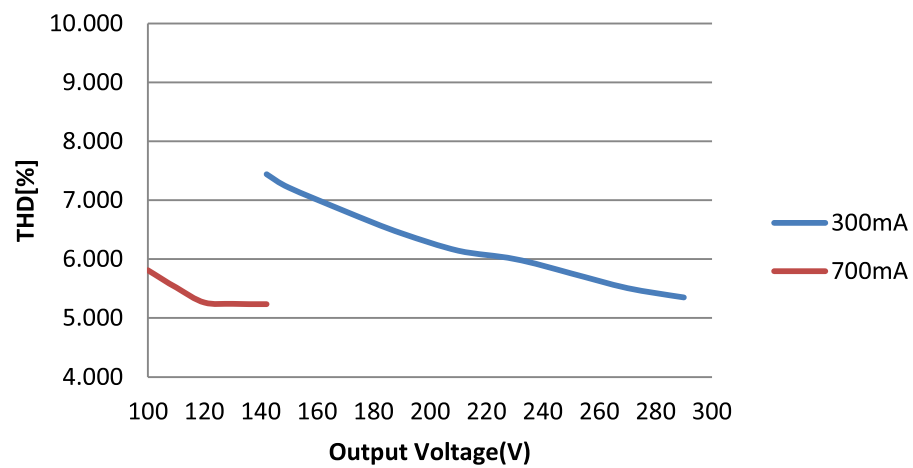
Efficiency vs Output Voltage @ 120V 60Hz

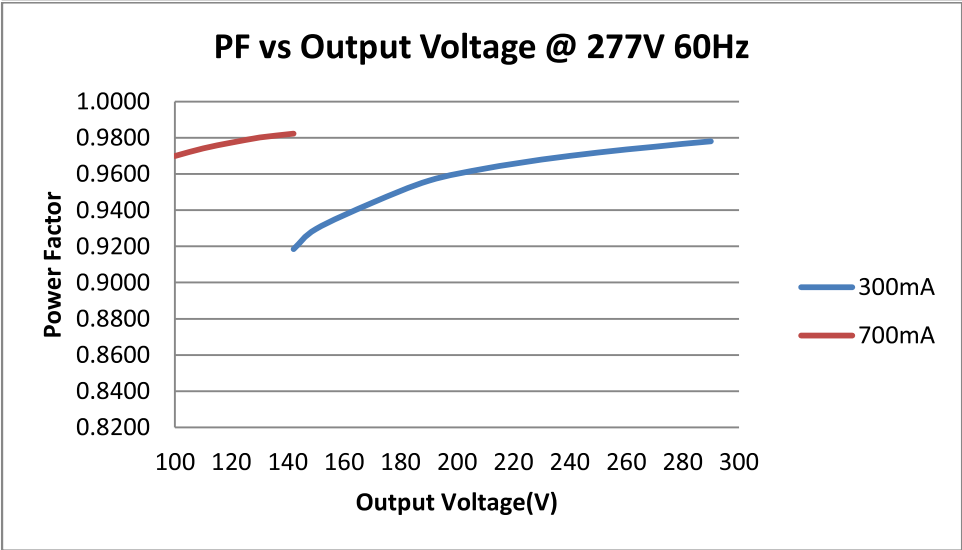
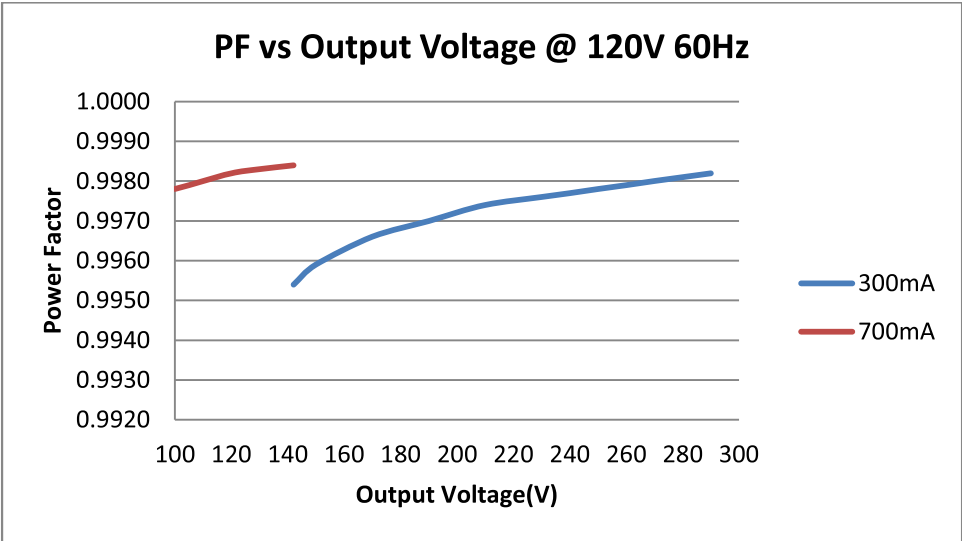
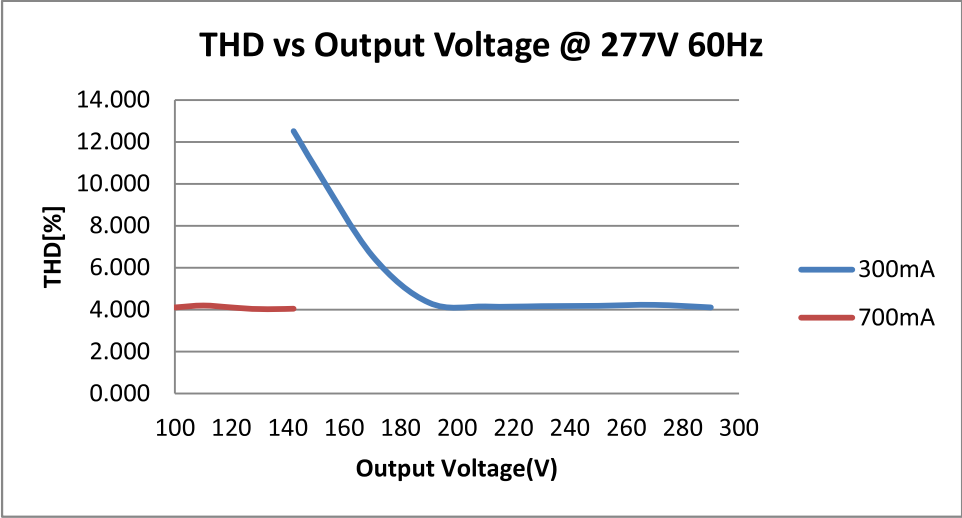


Efficiency vs Output Voltage @ 277V 60Hz



THD vs Output Voltage @ 120V 60Hz



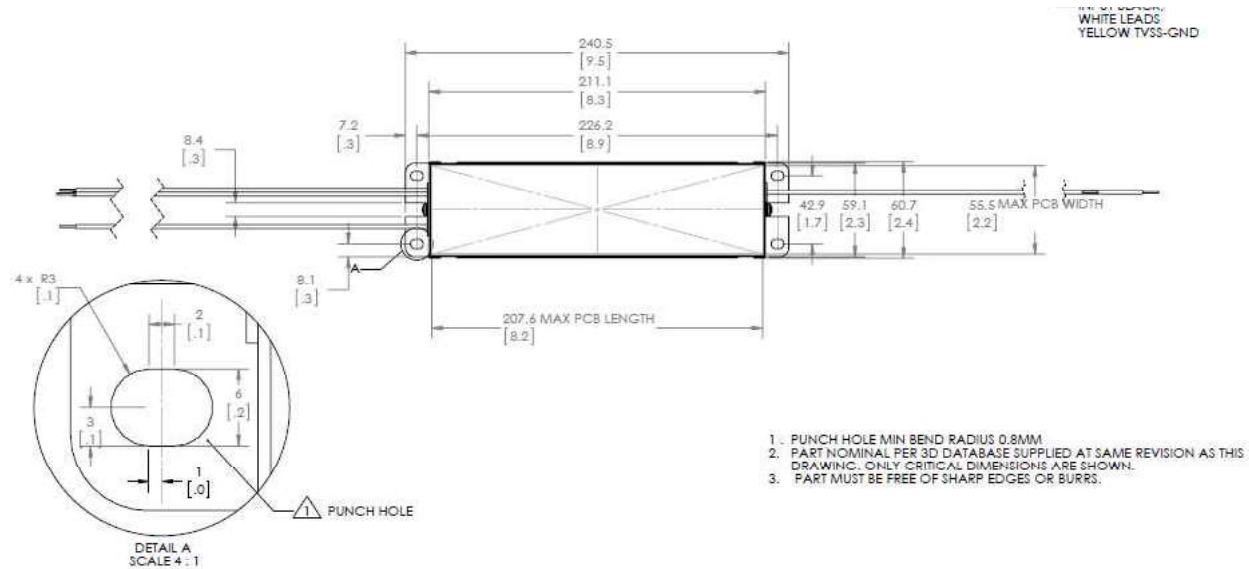


Input Inrush Current		
Input Voltage (Vrms)	Peak Current Pulse (A)	Pulse Duration (50% of Peak) (ms)
120V	45	0.1
230V	100	0.1
277V	118	0.1

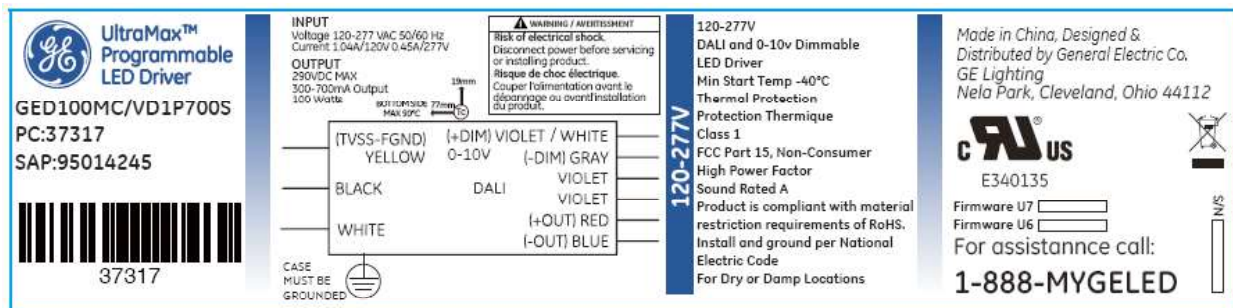
Input Ground Leakage Current	
Input Voltage (Vrms)	Leakage Current (mA)
120V	0.26
277V	0.62

Product Dimensions

GED100MC/VD1P700S



Product Label



Current Programming Interface

Firstly open the software(DALI_NEW_API) and click the Bank2 sheet, then put the value to be programmed (between 0 to 100%) into the Value box for Current to Program of Bank 2 GE Use , finally click the set button to complete the programming of driver.

General Bank 0 Bank 1 Bank 2 DALI Bank Set

Bank 2 Header

	Value	HEX
Address of last accessible memory location:	9	0x09
Check Sum:	0xB0	0xB0
Lock Byte:	170	0xAA

Bank 2 GE Use

	Value	HEX
Current Programming:	52 %	0x02 0x1E
Default Power Value:	16056470	0x00 0xF5 0x00 0x96

Device Mode:

☒ 0-10V mode

☐ DALI mode

☐ ClockDIMM mode

Clear All Read Bank 2 Set

1st. Click here

2nd. Set the current percentage you want

3rd. Choose the Dali mode or 0-10V mode

4th. Click the set button