

LED Power Supply



Outdoor Dimming Driver
(GED100MVP1480L)

Outdoor Dimming Driver

GED100MVP1480L

Description: 0~10V/Current Programmable Class1 PSU

Input Voltage: 120-277V ±10%

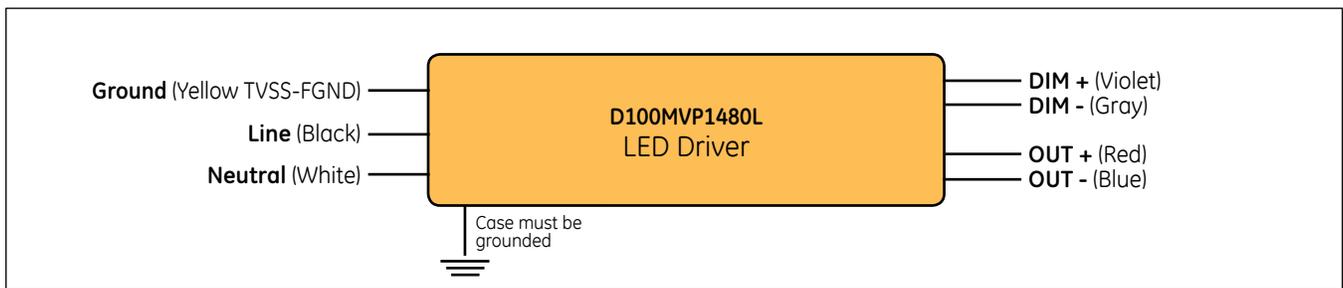
Input Frequency: 50Hz/60Hz

Surge Protection: 10kV/5kA

ROHS Compliant: Yes



SKU	Input Voltage (V)		PF Minimum	THD	Output Power (W)	Output Voltage (V)		Programmable Current Range (A) ±5%		Max Output Current Ripple	Dimming Range	Warranty Life
	Nom	Frequency				Min	Max	Min	Max			
							0-10V					
100W	120-277	50/60Hz	0.9	≤20%	100	100	280	0.2	0.48	15% and 120HZ @25°C (Pk-Avg)	10%-100%	5 Years @ 70Tc



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.
- The unit is classified as Class P as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable casing temperature: 85°C.
- < .1%/1000 hours failure rate for Tc < 70°C over warranty life period.
- 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 ANSI C136.2-2015 Location C, Enhanced Level 10kV/5kA.
- LED load cannot be connected to driver while LED driver is powered on.

UL Conditions of Acceptability – E340135

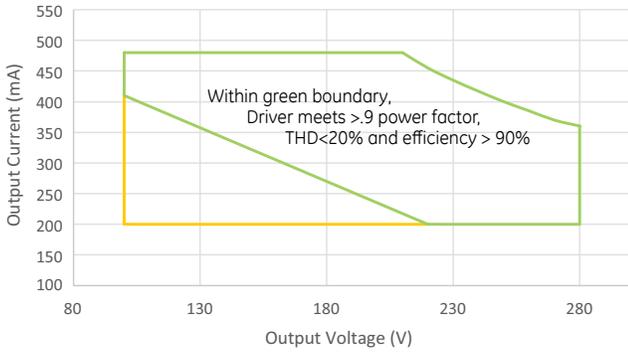
- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to **EARTH**.
- TVSS-FGND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw. **THIS IS NOT A SAFETY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

Input Inrush Current	
Input Voltage (V _{rms})	Peak Current Pulse (A _{pk})
277	51.5

Technical Information

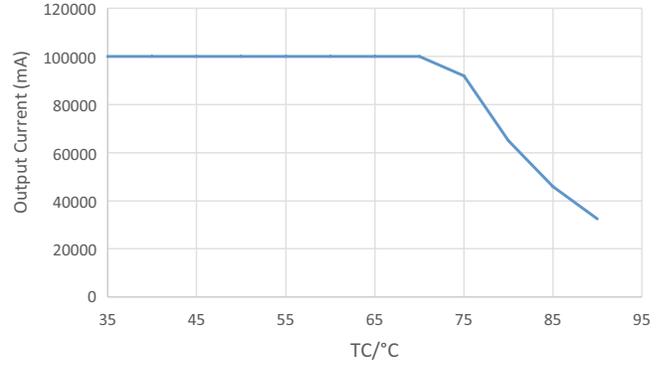
GED100MVP1480L

Output Voltage Vs. Output Current

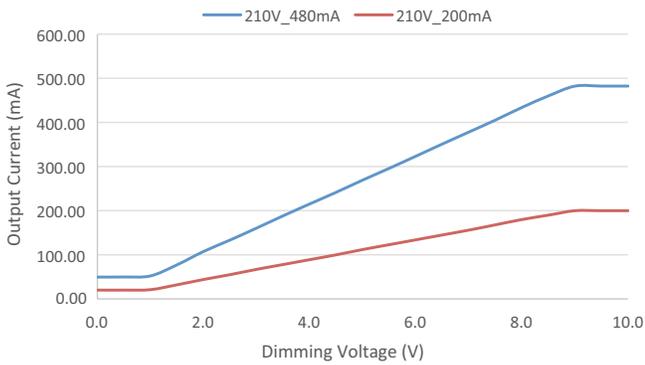


Note: the operation window is tested at room temperature = 25° deg C

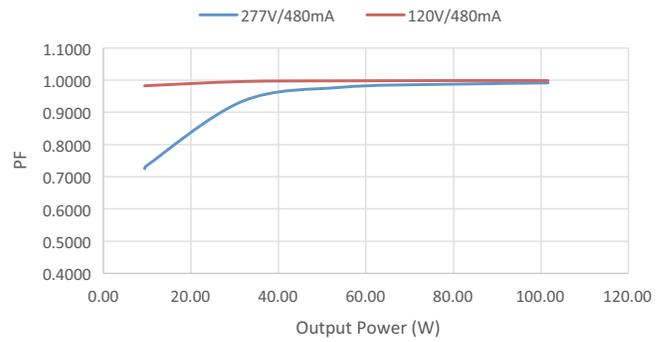
Lifetime Vs. TC



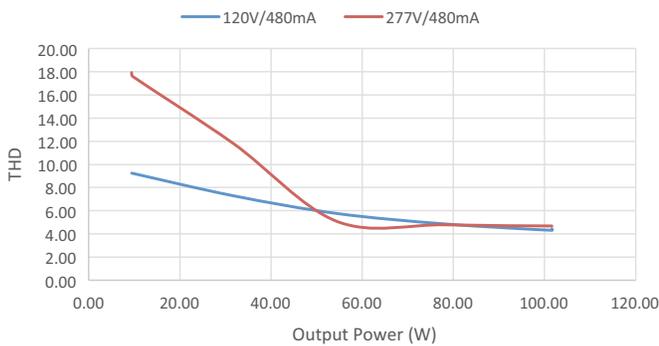
0-10V Dimming Curve



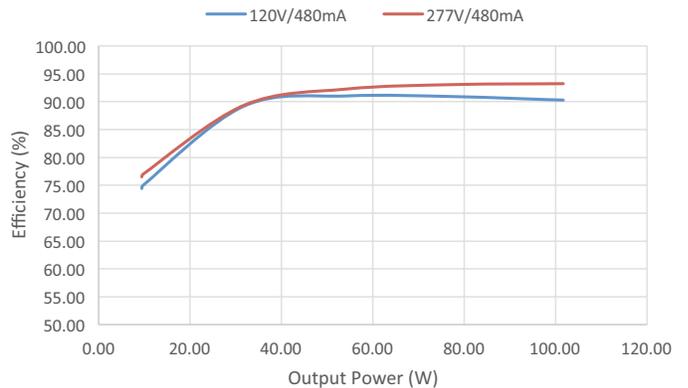
PF Vs. Output Power



THD Vs. Output Power

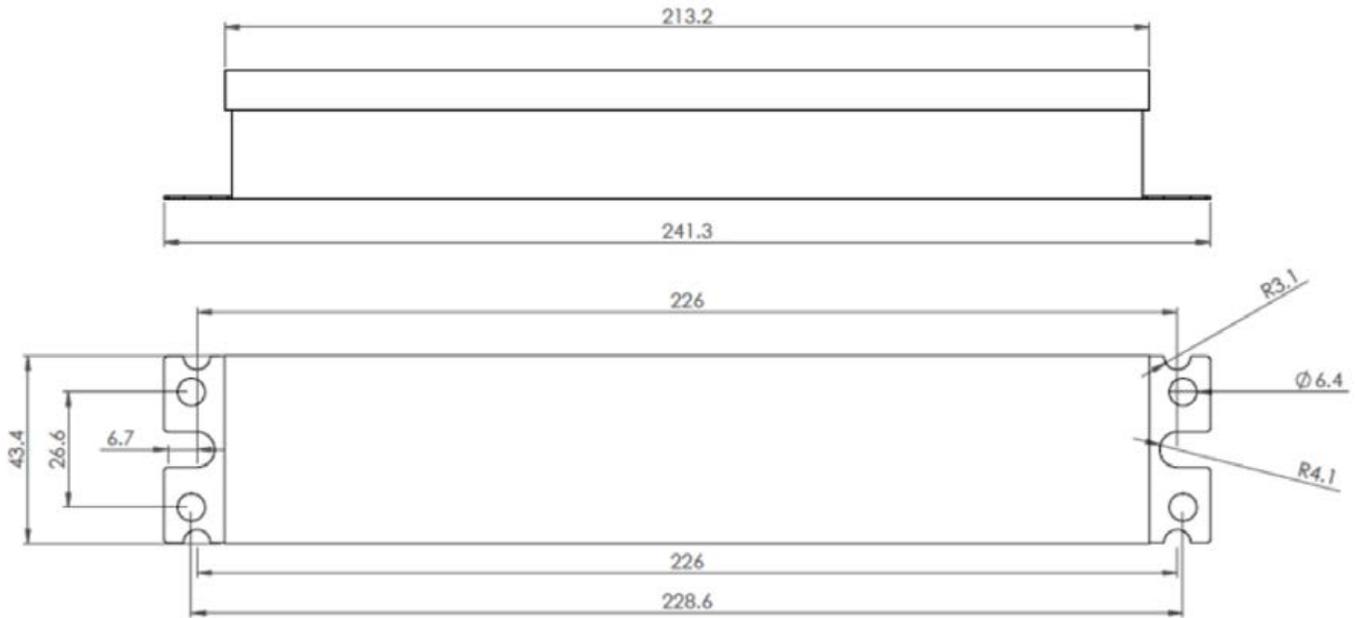


Efficiency Vs. Output Power



Product Dimensions

GED100MVP1480L



UltraMax™ Programmable LED Driver
GED100MVP1480L
 SAP: 95045876
 PC: 509404

INPUT
 Voltage 120-277 VAC 50/60 Hz
 Current 0.99 Amperes
 PF > 0.9

OUTPUT
 280VDC Max
 200-480mA Output
 1000µA/0.01%

120-277V
 0-10V Dimming LED Driver
 Min Start Temp -40°C
 Tc = 85°C Max
 Class 1 per UL 8750
 Firmware
 FCC Part 15, Non-Consumer
 CAN ICES-005 (A) / NMB-005 (A)
 High Power Factor
 Sound Rated A
 Install and Ground per National
 Electric Code
 For Dry or Damp Locations

Made in China, Designed & Distributed
 by Current powered by GE
 Current powered by GE
 Mela Park, Cleveland, Ohio 44137

UL US LISTED LED DRIVER E340135

For assistance call:
1-888-MYGELED

GED100MVP1480L
 SAP: 95045876
 PC: 509404

LED Driver, 100W, Multivolt input, 480mA Programmable, 0-10V dimming, North-America
 Country of Origin: China
 Voltage: 120-277V

Date
 Firmware

QTY: 10

UL US LISTED LED DRIVER E340135

509404

Product Label

Current Programming Interface

GED100MVP1480L

The Programmer must be connected between driver and PC before programming.

1. Click this button

2. Set desired and min. output current

3. Click here to set

Desired Output (mA) 1750
 Min Output (%) 5
 Max Output (mA) 1750

Enable Standby
 Standby Off Setpoint
 Standby On Setpoint

Conv Invalid Cmd 5-64 Bytes
 Driver Invalid Cmd 5-64 Bytes

Sync to Flash
 SKU: []

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