

# LED Power Supply



Outdoor Dimming Driver  
(GED100MVP1480L)

# Outdoor Dimming Driver

GED100MVP1480L

Description: 0~10V/Current Programmable Class1 PSU

Input Voltage: 120-277V  $\pm 10\%$

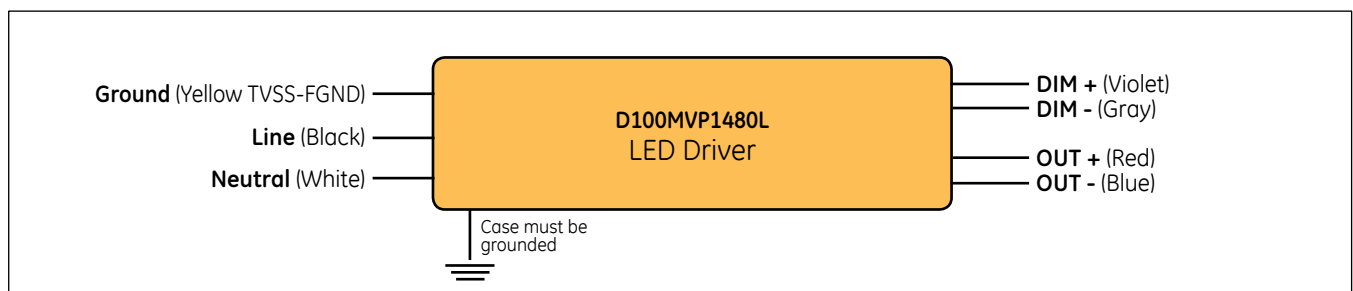
Input Frequency: 50Hz/60Hz

Surge Protection: 10kV/5kA

ROHS Compliant: Yes



SKU	Input Voltage (V)		PF Minimum	THD	Output Power (W)	Output Voltage (V)		Programmable Current Range (A) $\pm 5\%$		Max Output Current Ripple	Dimming Range	Warranty Life
	Nom	Frequency				Min	Max	Min	Max		0-10V	
100W	120-277	50/60Hz	0.9	$\leq 20\%$	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:  $-40^{\circ}\text{C}$ .
- Maximum allowable casing temperature:  $85^{\circ}\text{C}$ .
- $< .1\%/1000$  hours failure rate for  $T_c < 70^{\circ}\text{C}$  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

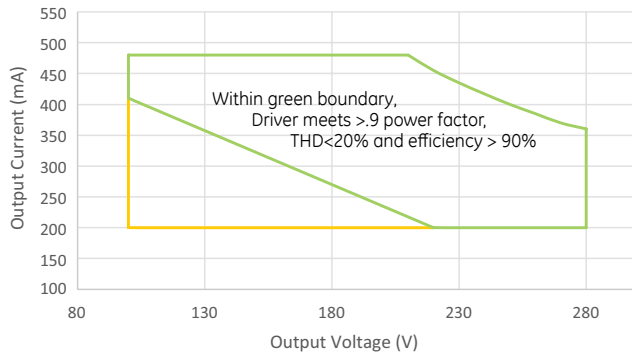
- The unit has been examined to comply with Class 1 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to **EARTH**.
- TVSS-FGND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw. **THIS IS NOT A SAFETY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

Input Inrush Current	
Input Voltage ( $V_{rms}$ )	Peak Current Pulse ( $A_{pk}$ )
277	51.5

# Technical Information

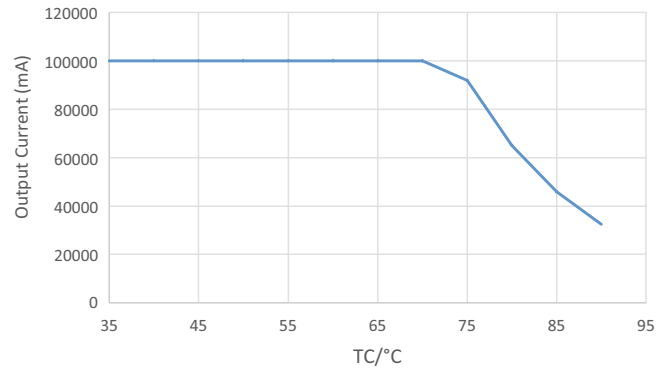
## GED100MVP1480L

### Output Voltage Vs. Output Current

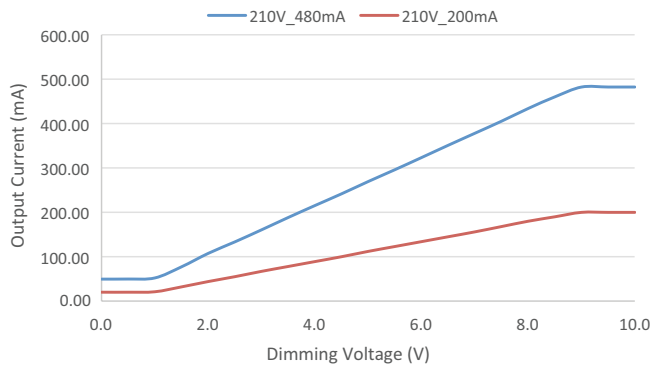


**Note:** the operation window is tested at room temperature = 25° deg C

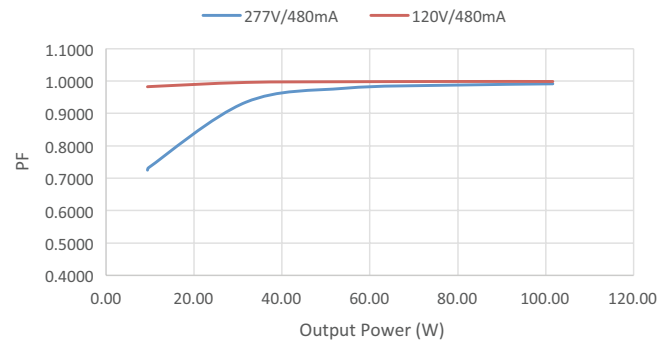
### Lifetime Vs. TC



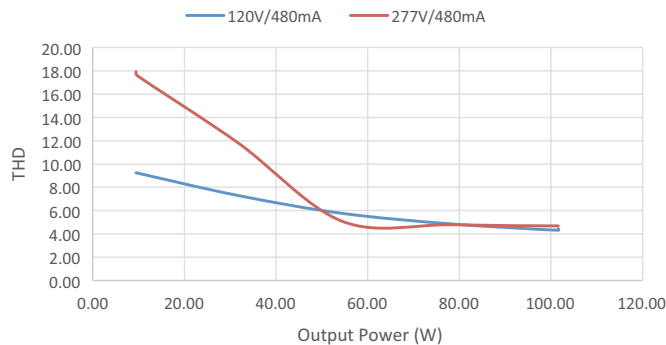
### 0-10V Dimming Curve



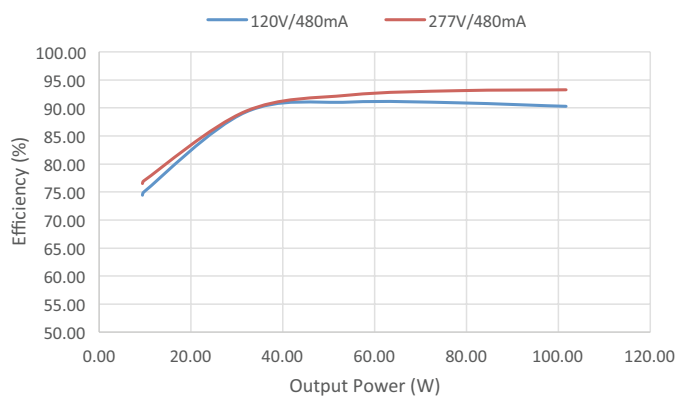
### PF Vs. Output Power



### THD Vs. Output Power

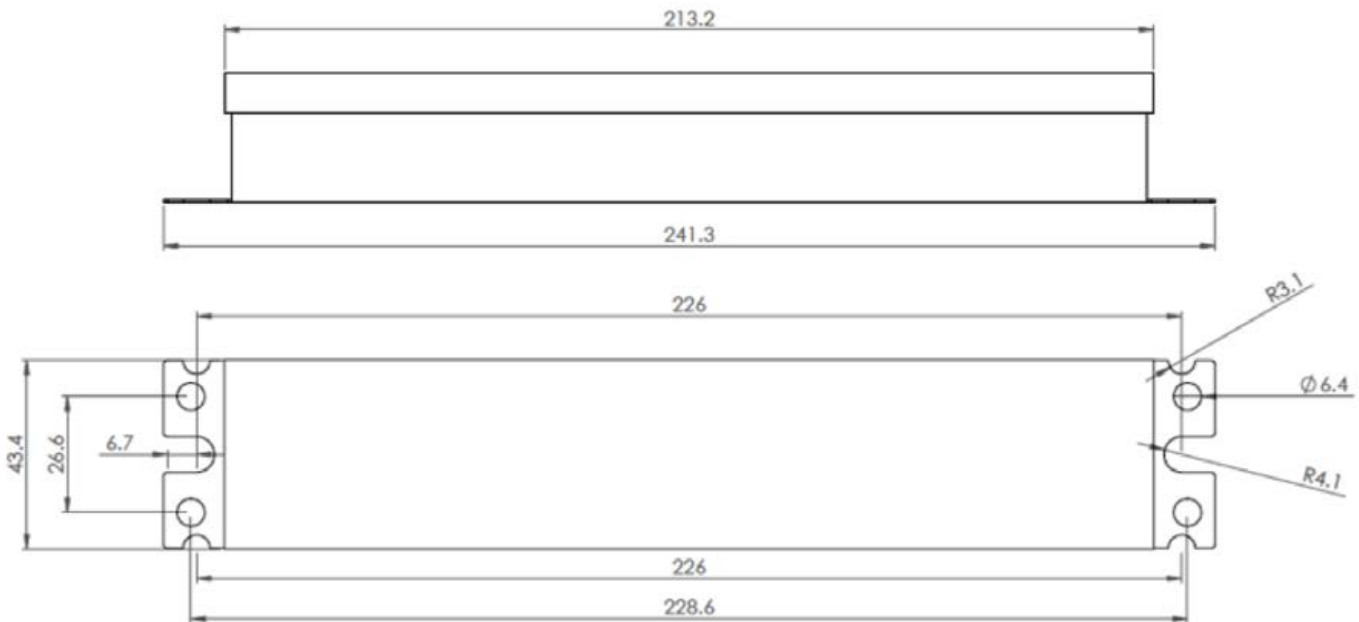


### Efficiency Vs. Output Power



## Product Dimensions

GED100MVP1480L

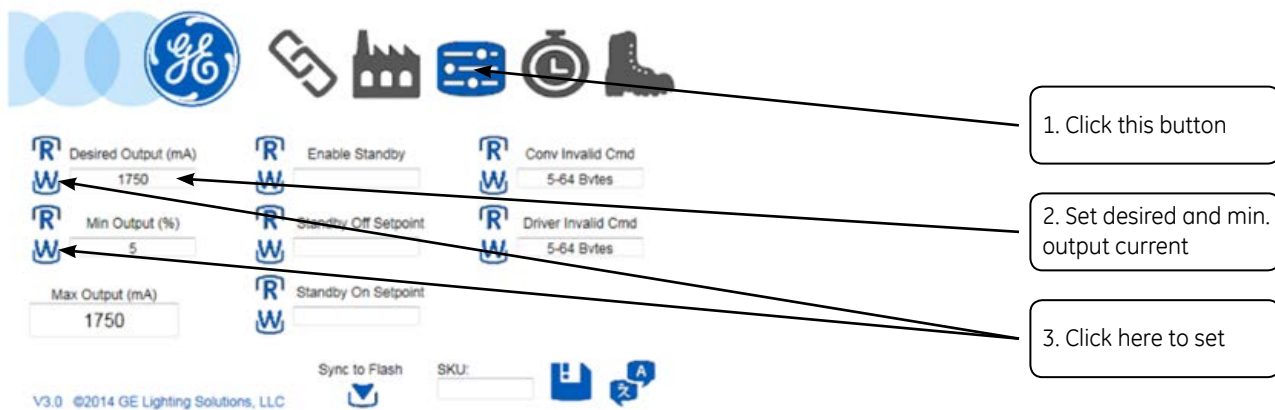


### Product Label

## Current Programming Interface

GED100MVP1480L

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



**current**  
powered by GE

GE and the GE Monogram are trademarks of the General Electric Company and are used under license. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions. © 2019 Current, powered by GE.

www.LED.com | OLP3162 (Rev 07/23/19)

