



## Indoor Class 1 LED Driver

### GED100MCC2P480

Description: 100W 0.3A~0.48A UltraMax Digital Power Bus Dimming

Input Voltage: 120-277Vac +/-10% (UL)

Input Frequency: 60Hz

ROHS Compliant: Yes

| Output Power (W) | Output Current (A) | Output Voltage (V) | Efficiency at full load (277Vac input) | Max Input Current (A) | THD < 20% (@277Vac) (W) | PF > 90% (@277Vac) (W) | Inrush Current (A/mS) | Surge Protection (kV/kA) | Weight (lbs/g) |
|------------------|--------------------|--------------------|--|-----------------------|-------------------------|------------------------|-----------------------|--------------------------|----------------|
| 100              | 0.3-0.48 ± 5%      | 170-240            | >91%                                   | 0.99A (UL)            | 25                      | 25                     | See Page below        | 3kV/0.1kA                | 1.45/660       |

| Dimming Function           |           |                   |                              |
|----------------------------|-----------|-------------------|------------------------------|
| Dimming Method             | Isolation | Dimming Range (%) | Auxiliary Voltage @ 75mA (V) |
| UltraMax Digital Power Bus | Class 2   | 100% - 5%         | 15                           |

Wiring Diagram: See label below

## Product Features

### Physical

- Unit must be installed in compliance with the applicable requirements of the end-product standard for enclosure, mounting, spacing, casualty and segregation.
- Enclosure wiring must be rated to 600V & 90°C or higher.

### Performance

- Compliant with Flicker Specifications IEEE 1789 and NEMA 77-2017
- 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: -30°C.
- Maximum allowable casing temperature: 85°C.
- For reliability and failure rate information, contact LED Platforms Team
- The unit is UL certified for operation in dry/damp locations.
- 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 C82.77-5-2015.

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East Cleveland, OH 44112


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## 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**.

## Product Label



UltraMax™  
Connected  
LED Driver

GED100MCC2P480  
SAP: 95036753  
39922



39922

INPUT  
Voltage 120-277 VAC 60Hz per UL  
Current 0.99A per UL  
PF > 0.9


LED class 1

LED OUTPUT  
240VDC Max  
0.3-0.48A Max  
100 Watts

DA OUTPUT  
22.5VDC Max  
75mA Max

120-277V

Assembled in China. Designed & Distributed by General Electric Co.  
GE Lighting  
Nela Park, Cleveland, Ohio 44112



Date  
Firmware  
E340135

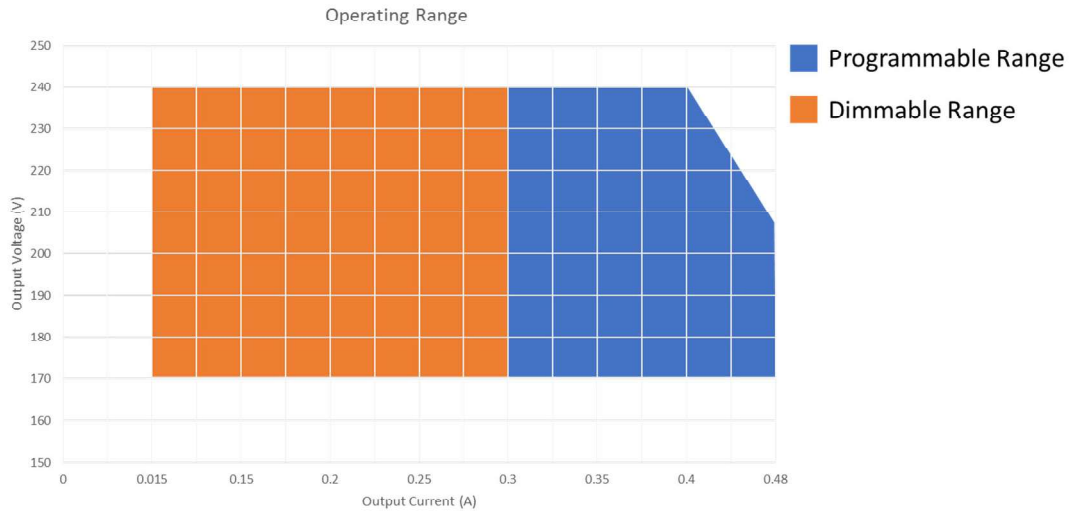
For assistance call:  
**1-888-MYGELED**

**WARNING / AVERTISSEMENT**

Risk of electrical shock. Disconnect power before servicing or installing product.  
Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.  
Risk of fire or electric shock. Do not interconnect output terminations.  
Risque d'incendie ou de choc électrique. Ne pas interconnecter les bornes de sortie.

## Technical Information

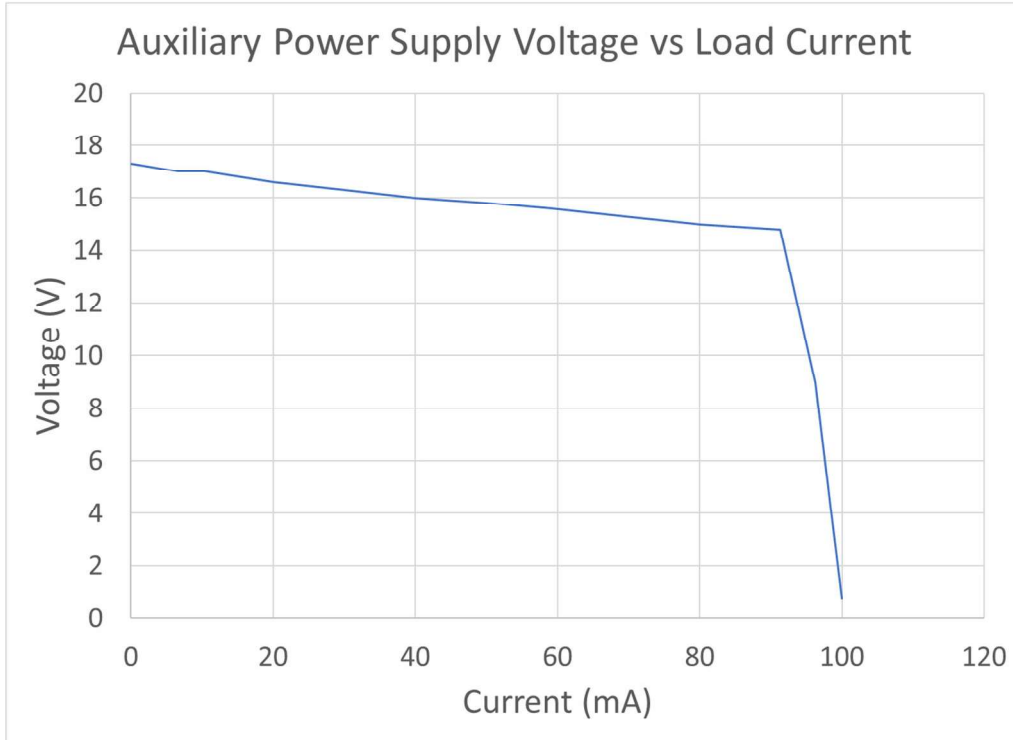
### Maximum Programmable Operating Range (170V-240V, 0.3A – 0.48A)



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## Auxiliary Power Supply Range



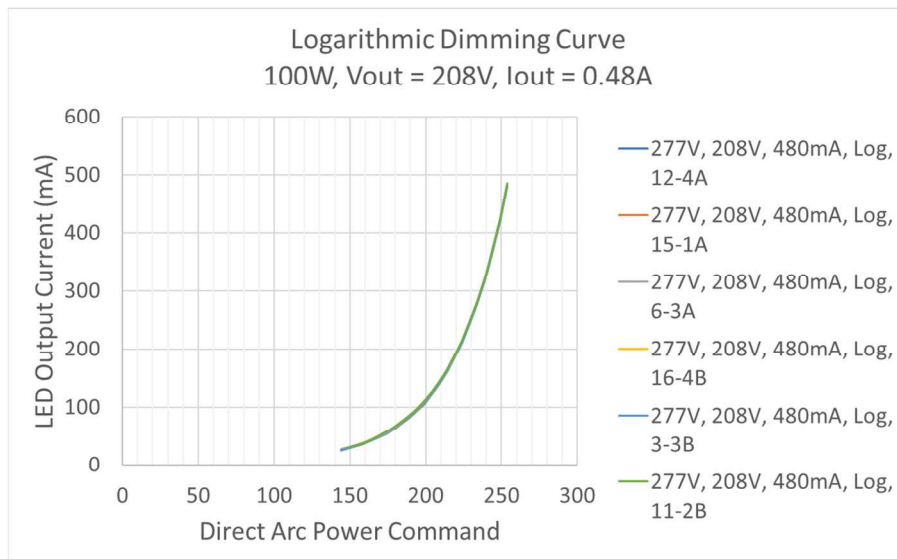
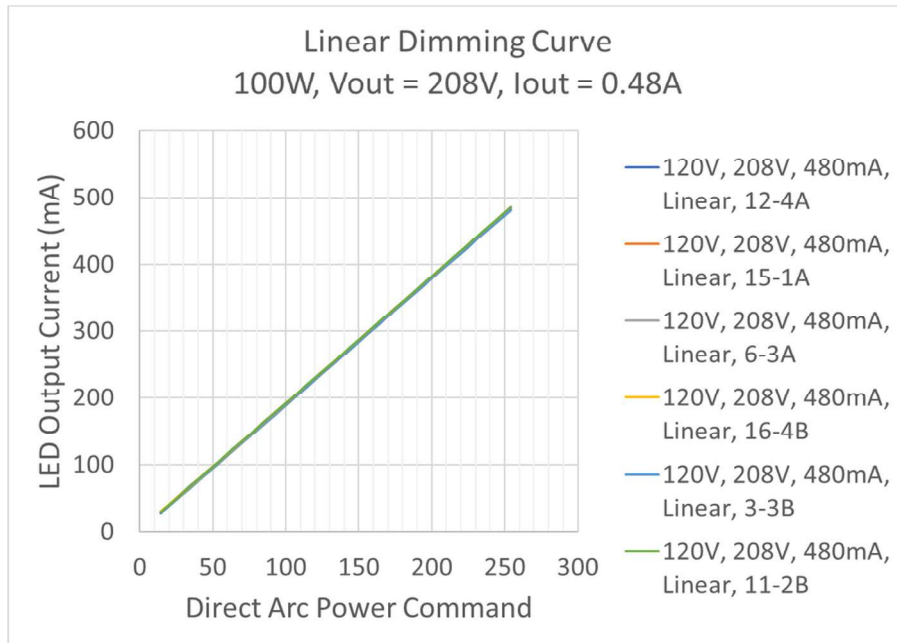
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## Digital Dimming Curve

Dimming Level range is from 5% to 100%.



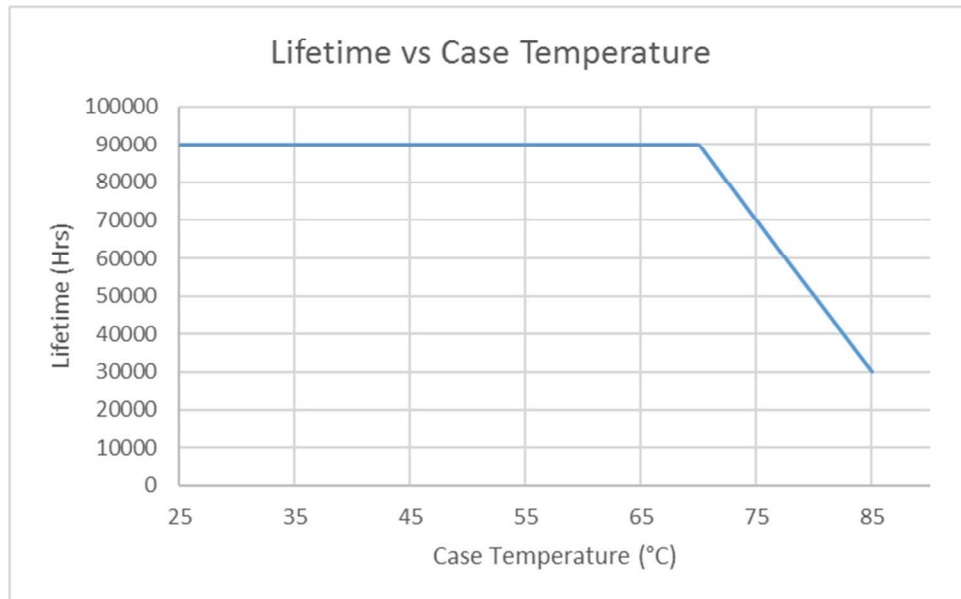
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## Technical Information

Estimated Lifetime Expectation *(based on component wearout)*

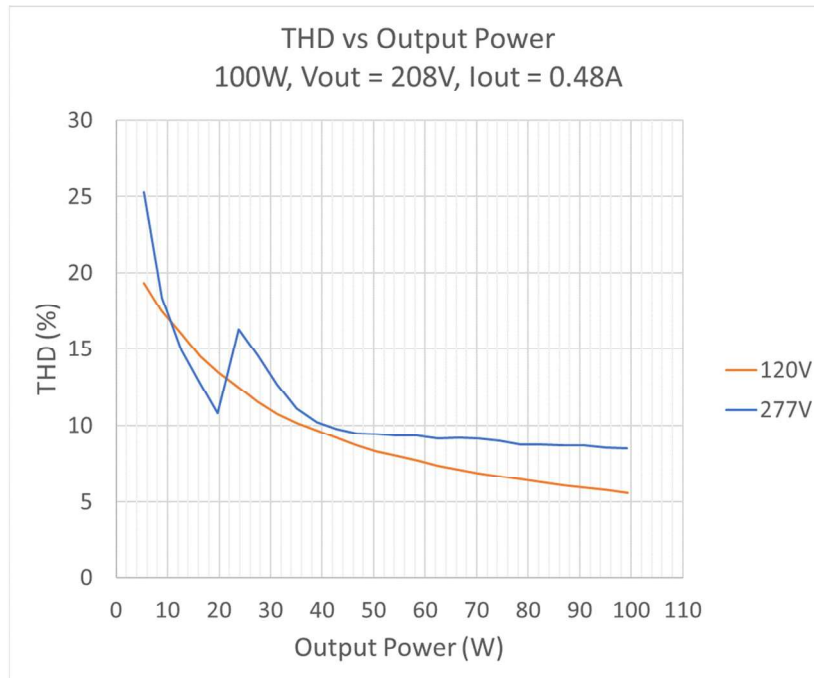
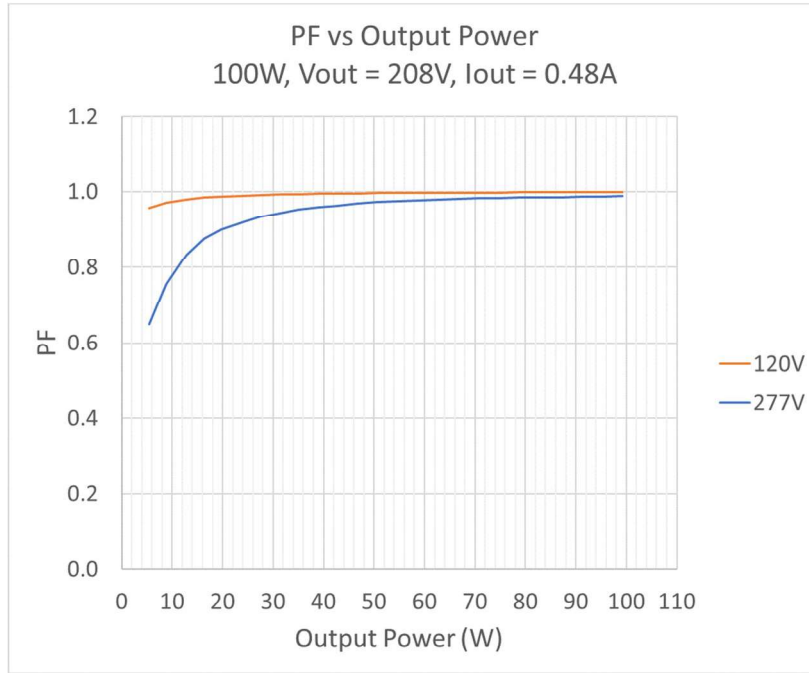


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## Power Factor & Total Harmonics Distortion



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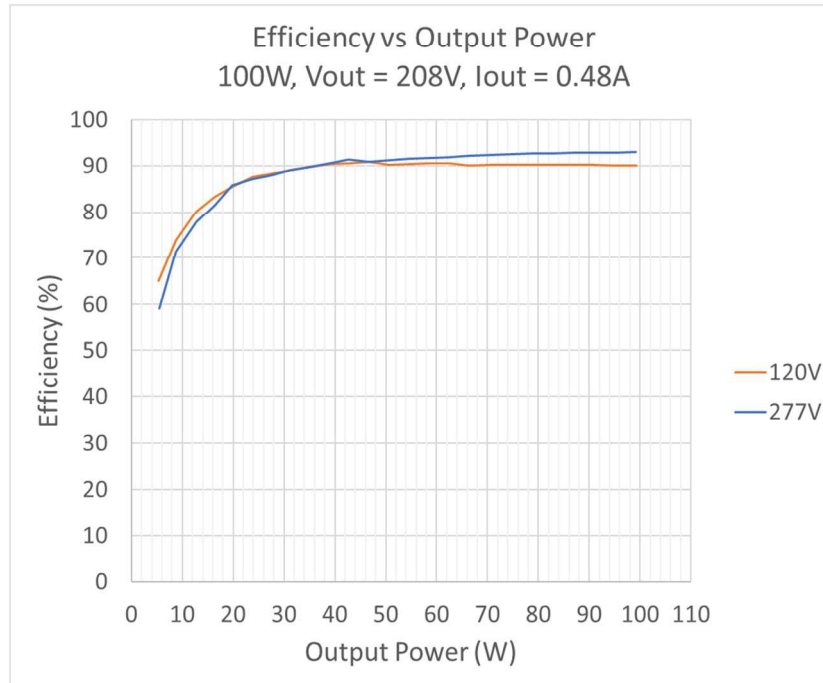
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## Power Efficiency



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## Technical Information

### Input Inrush Current

| Input Inrush Current                 |  |                                      |
|--------------------------------------|--|--------------------------------------|
| Input Voltage<br>[V <sub>rms</sub> ] | Peak Current Pulse<br>[A <sub>pk</sub> ] | Pulse Duration (50% of Peak)<br>[us] |
| 120                                  | 26.3                                     | 158                                  |
| 277                                  | 53.3                                     | 95.3                                 |

### Leakage Current

| Input Ground Leakage Current         |                      |        |
|--------------------------------------|----------------------|--------|
| Input Voltage<br>[V <sub>rms</sub> ] | Leakage Current (mA) |        |
|                                      | S1 ON                | S1 OFF |
| 277                                  | 0.23                 | 0.46   |

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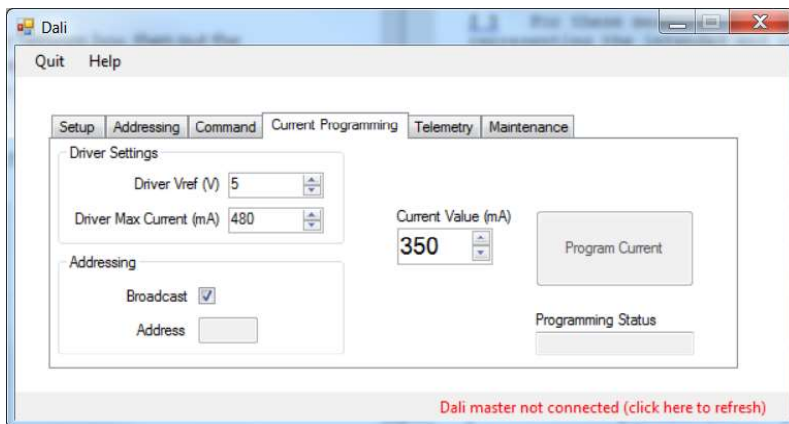
## Product Dimensions



## Current Programming Interface

Firstly set the Driver Max Current (mA) to 480mA in the Driver Settings box, then put the value to be programmed (between 300mA to 480mA) into the input box for Current Value (mA), finally click the program current button to complete the programming of driver.

For more advanced features (minimum dim %), please contact the LED Platforms Connected Indoor Design Team.



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