



GE UltraMax™ Connected LED Driver



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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- 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.**

GED100MCC2P480
SAP: 95036753
39922

39922

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

DA OUTPUT
22.5VDC Max
75mA Max

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

LED class 1
Class 2 control wires
GE Ultramax Digital Power Bus
5% dimmable at programmed output
High Power Factor
Min Start Temp -30°C
Tc = 85°C max
FCC Part 15 Class A
CAN ICES-005 (A) / NMB-005 (A)
For Connections Use Wire Rated for at least 90 °C (194° F)
Install and ground per National Electric Code
For Dry or Damp Locations

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Class 2 control wires
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Assembled in China, Designed & Distributed by General Electric Co.

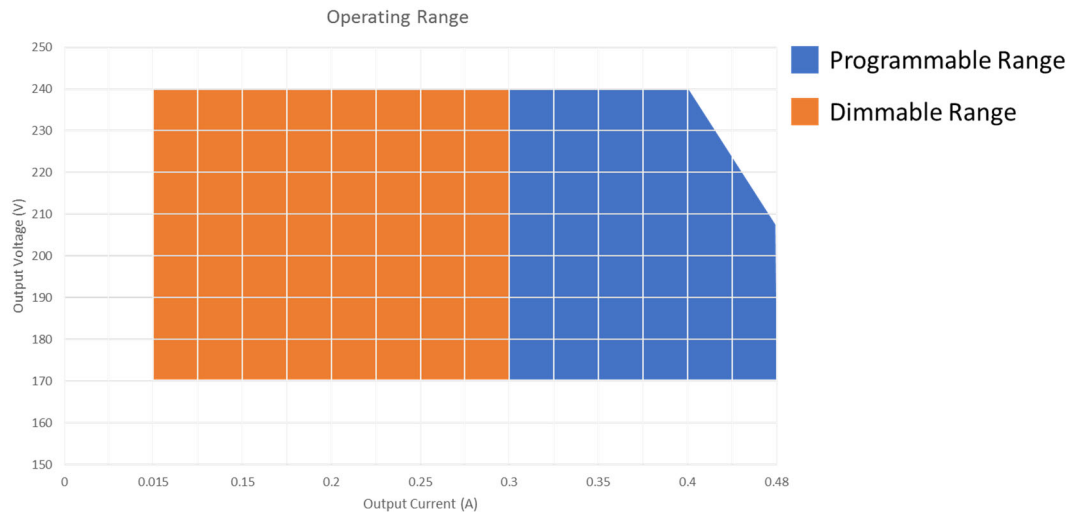
GE Lighting
Nela Park, Cleveland, Ohio 44112

Date _____
Firmware _____

E340135

For assistance call:
1-888-MYGELED

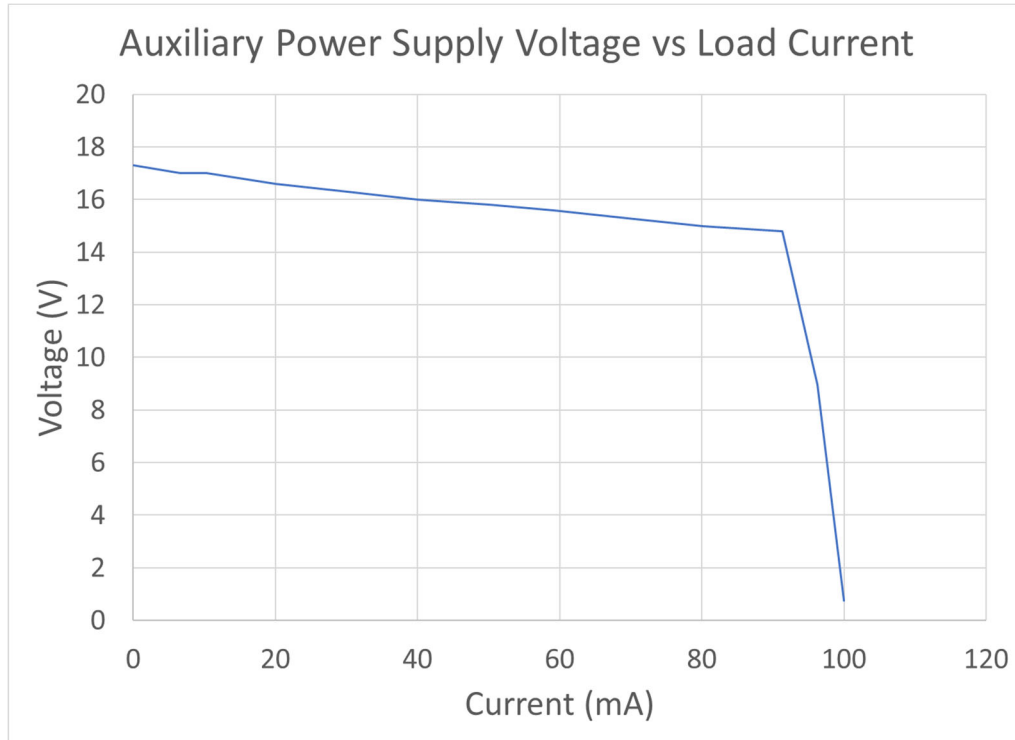
Maximum Programmable Operating Range (170V-240V, 0.3A – 0.48A)



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Auxiliary Power Supply Range



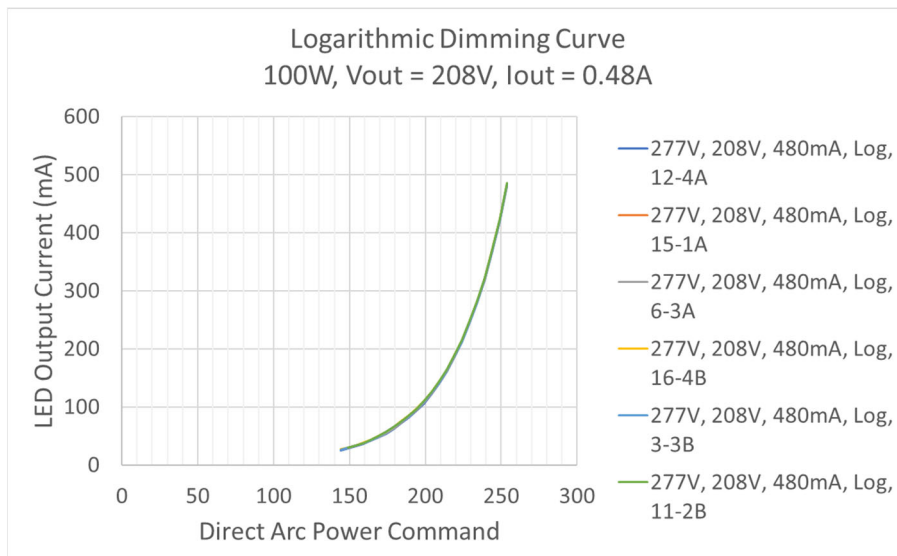
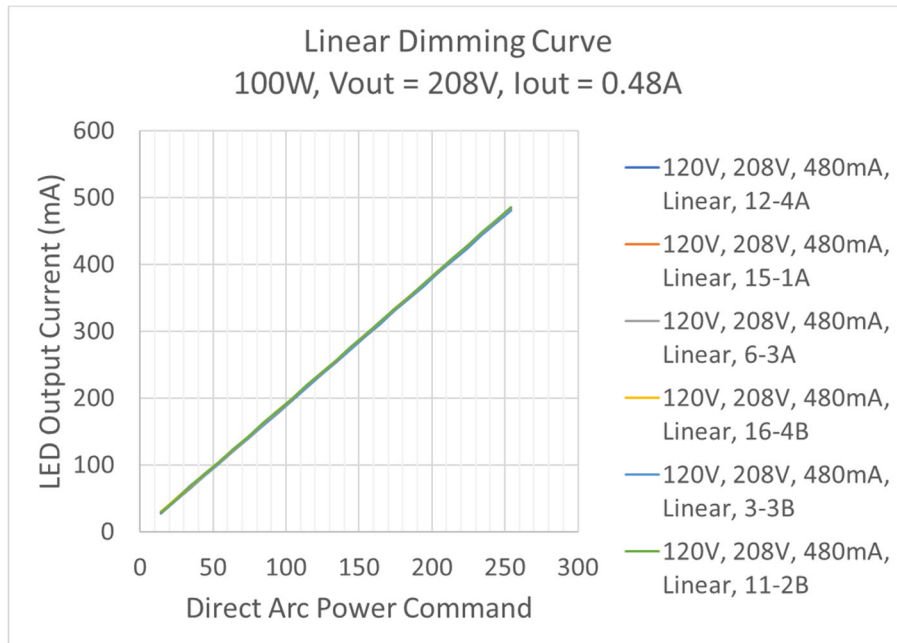
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Digital Dimming Curve

Dimming Level range is from 5% to 100%.



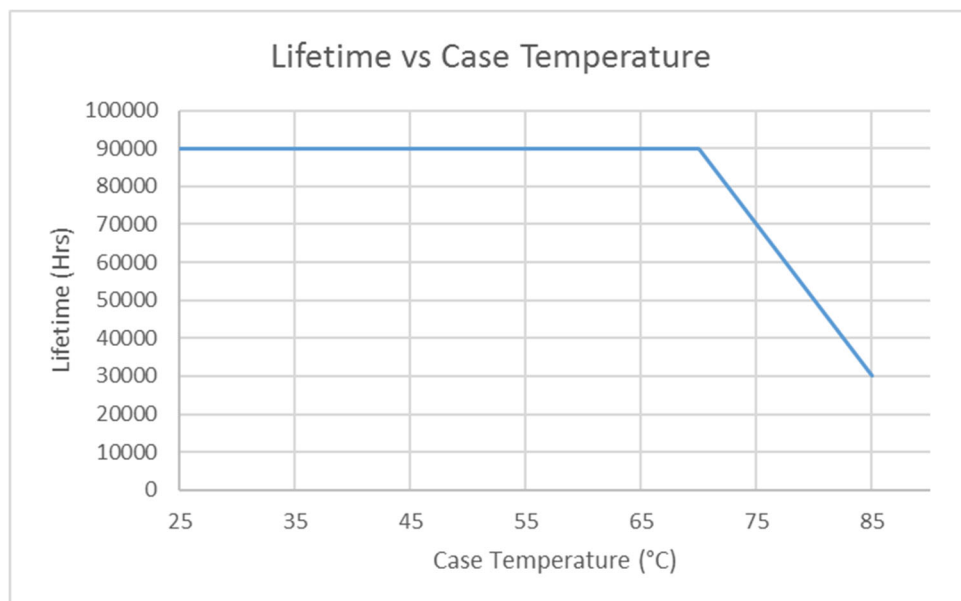
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Technical Information

Estimated Lifetime Expectation (*based on component wearout*)



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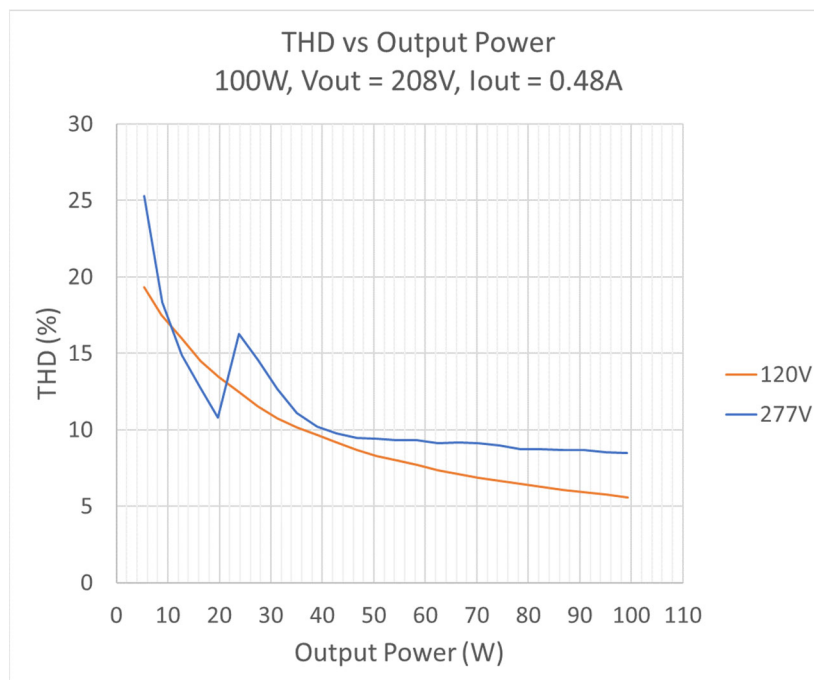
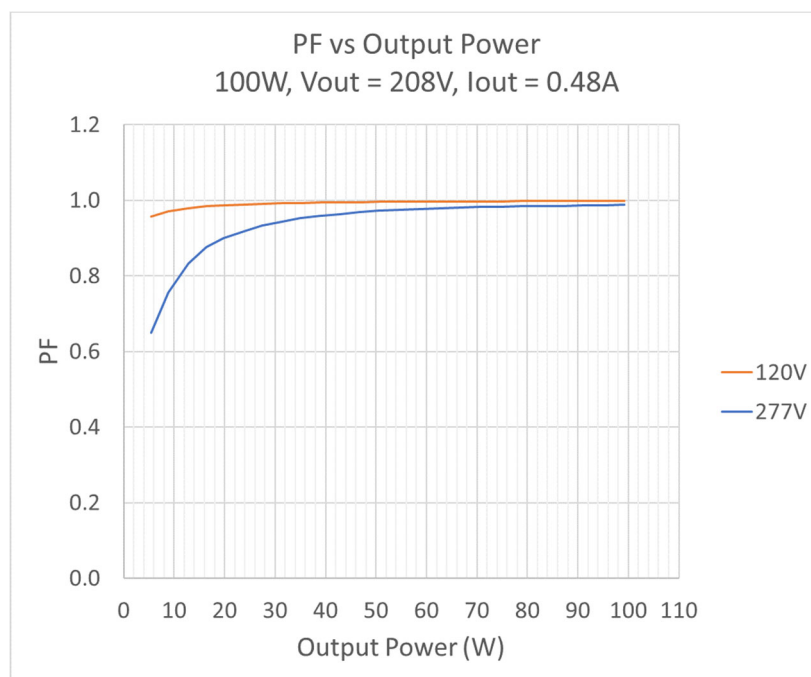
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Power Factor & Total Harmonics Distortion



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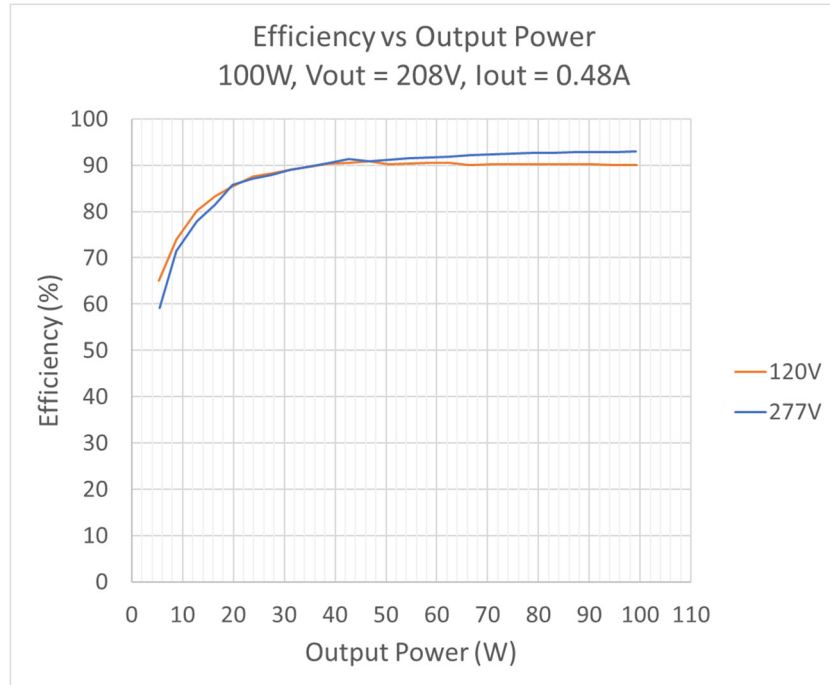
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Power Efficiency



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Technical Information

Input Inrush Current

Input Inrush Current		
Input Voltage [V _{rms}]	Peak Current Pulse [A _{pk}]	Pulse Duration (50% of Peak) [us]
120	26.3	158
277	53.3	95.3

Leakage Current

Input Ground Leakage Current		
Input Voltage [V _{rms}]	Leakage Current (mA)	
	S1 ON	S1 OFF
277	0.23	0.46

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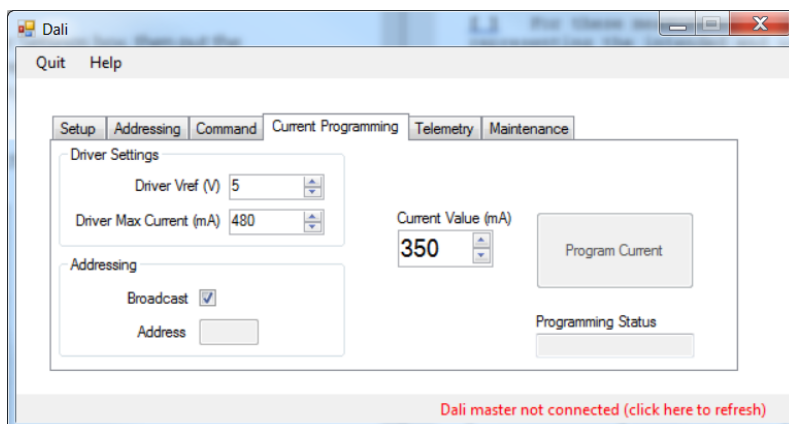
Product Dimensions



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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