


# LED Power Supply



UltraMax™ Connected LED Driver - Indoor Class 1   
GED100MCC2P480

# Lumination™ LED Luminaires

UltraMax™ Connected LED Driver - Indoor Class 1  
GED100MCC2P480



Project name \_\_\_\_\_

Date \_\_\_\_\_

Type \_\_\_\_\_

## Performance Summary:

**Description:** 100W 0.3A~0.48A UltraMax Digital Power Bus  
**Dimming Input Voltage:** 120-277Vac +/-10% (UL)  
**Input Frequency:** 60Hz  
**RoHS Compliant:** Yes

## 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.

### 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**.

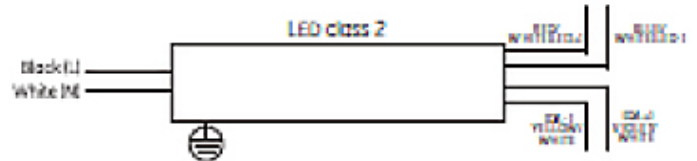
Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency at Full Load (277Vac Input)	Max Input Current (A)	THD < 20% (@277Vac) (W)	PF < 90% (@277Vac) (W)	Inrush Current (A/mS)	Surge Protection (kV/kA)	Weight (lbs/kg)
100	0.3-0.48 ± 5%	170-240	>91%	0.99A (UL)	25	25	See Page Below	3kV/0.1kA	1.45/660

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

## Product Dimensions:

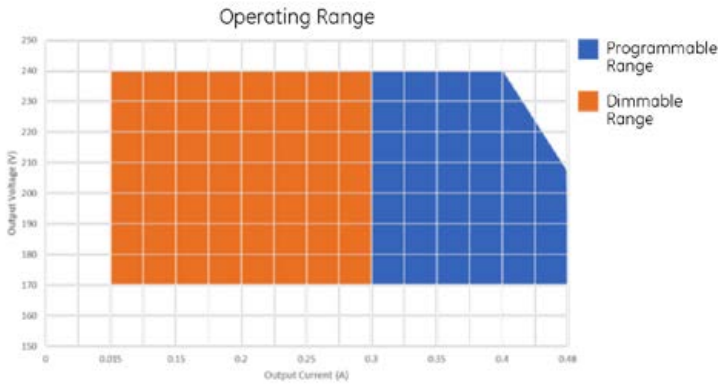


## Wiring Diagram:

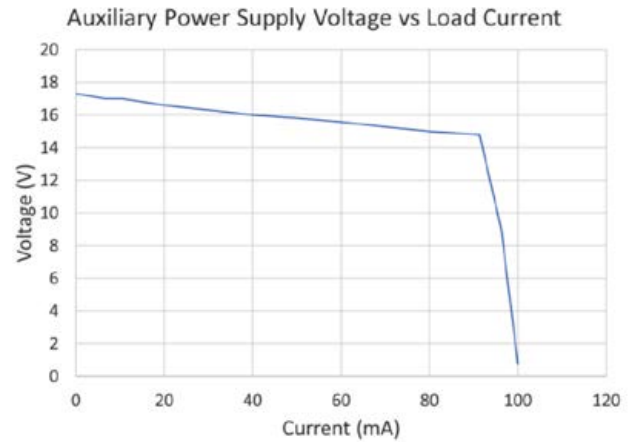


## Technical Information:

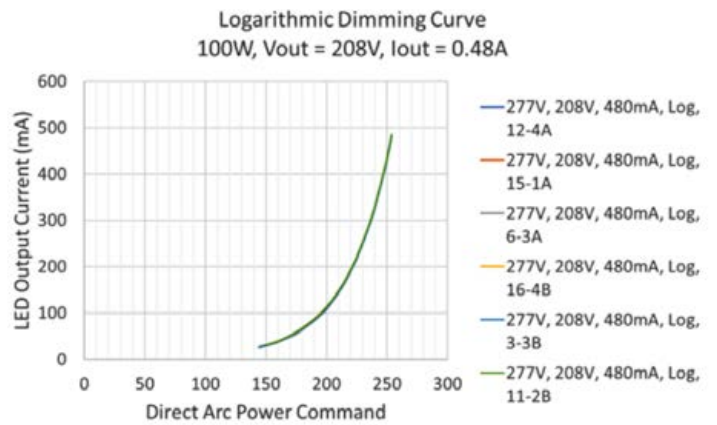
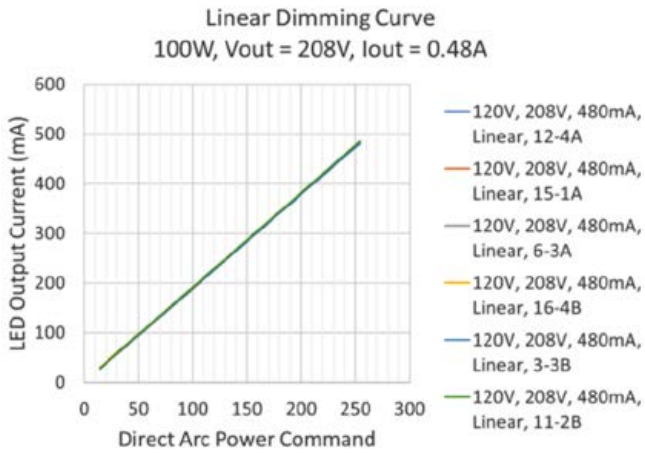
Operating Range  
(170V-240V, 0.3A – 0.48A)



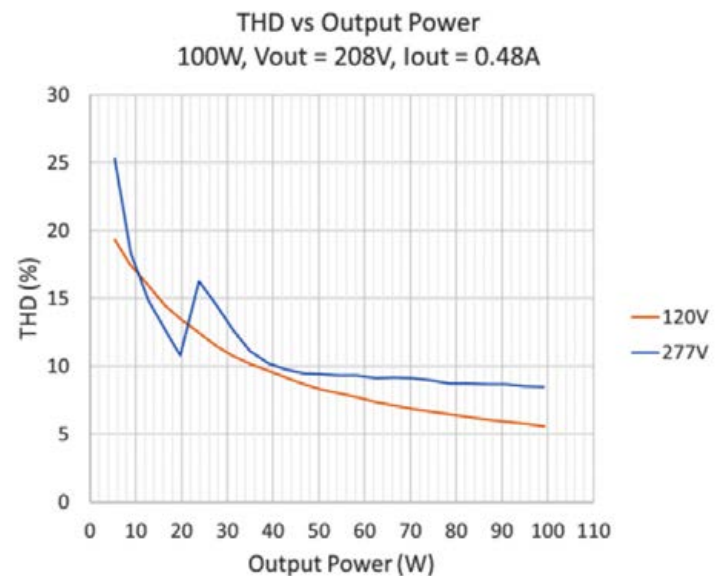
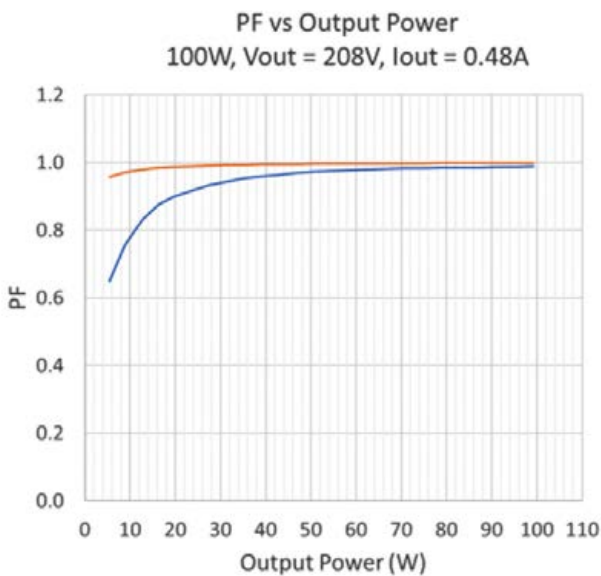
Auxiliary Power Supply Range



Dimming Level Range is from 5% to 100%

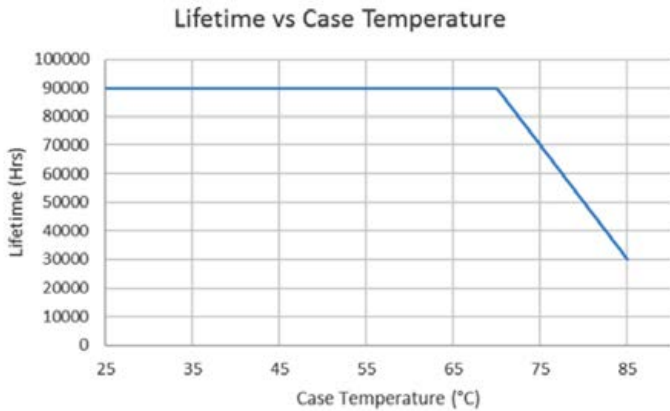


Power Factor & Total Harmonics Distortion

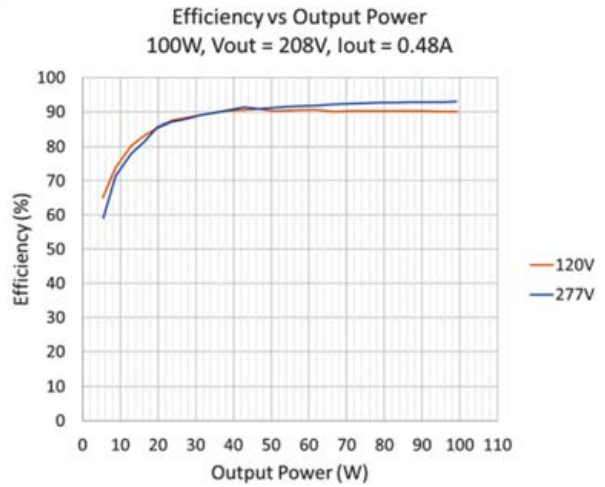


# Technical Information:

## Lifetime Expectation



## Power Efficiency



## Input Inrush Current

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

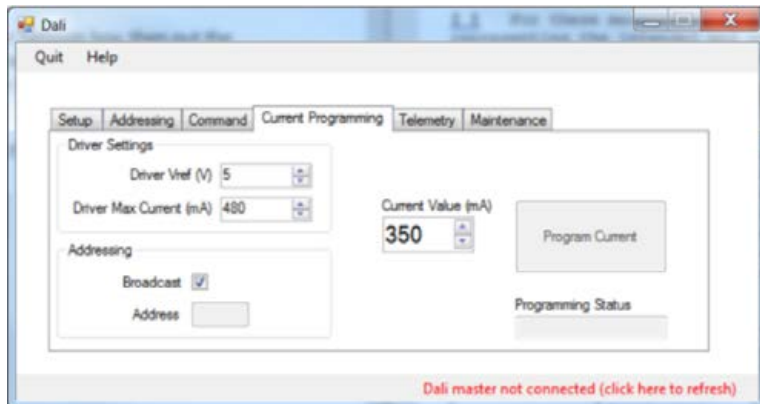
## Leakage Current

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

## 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.



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 Current makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions. © 2020 GE Current, a Daintree company