LED **Power Supply**

Outdoor Dimming Driver

GED50MCC/CR1P600
GED25MCC/CR1P350

current
powered by GE

Outdoor Dimming Driver

GED50MCC/CR1P600; GED25MCC/CR1P350

Description: DALI/0~10V/current Programmable/Power Bus Class1 PSU
Input Voltage: 120-277V
Input Frequency: 50Hz/60Hz
Power BUS: Voltage 16Vdc max; current 95mA max
Surge Protection: 10kV/5kA
ROHS Compliant: Yes

c UL us LISTED

SKU	Input Voltage (V)		PF Min.	THD	Output Power Range (W)		Output Voltage (V)		Programmable Current Range (A) ± 5%		Max Output Current Ripple	Dimming 0-10V	Warranty Life
	Nom	Frequency			Min	Max	Min	Max	Min	Max			
50W	120/277	50/60HZ	≥0.9 @ Full Load	≤=20%	20	50.0	82.5	165.0	0.2	0.6	15% and 120Hz @25°C (Pk-Avg.)	10-100%	10 Years @ Ta Max
25W	120/277	50/60HZ	≥0.9 @ Full Load	≤=20%	10	25.0	72.0	165.0	0.15	0.35			10 Years @ Ta Max

Product Features

Physical

- Unit must be installed within an electrical enclosure.
- Enclosure wiring must be rated to 600V & 105°C or higher.

Performance

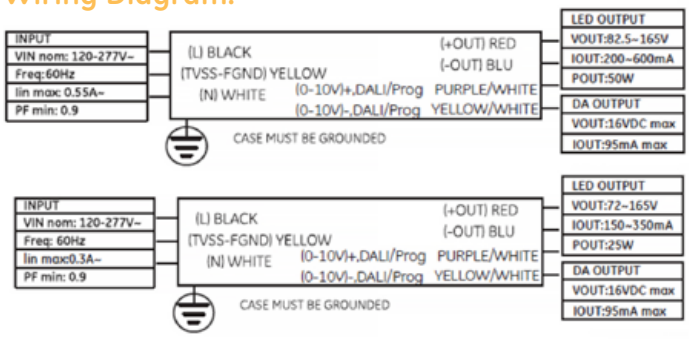
- The unit is classified as Class 1 as stipulated in UL8750.
- The unit is classified as Class P as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable casing temperature: 85°C.
- For reliability and failure rate information, contact GE Technical Sales Representative.
- 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.
- The unit cannot be hot plug-in at output side.

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		
Product	Input Voltage (V_{rms})	Peak Current Pulse (A_{pk})
GED50MCC/CR1P600	277	45
GED25MCC/CR1P350	277	35

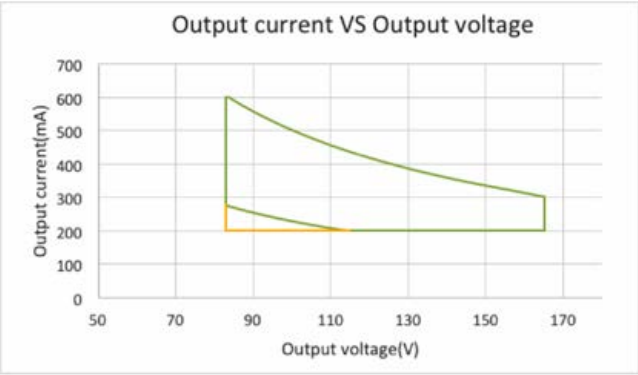
Wiring Diagram:



Product Labels:

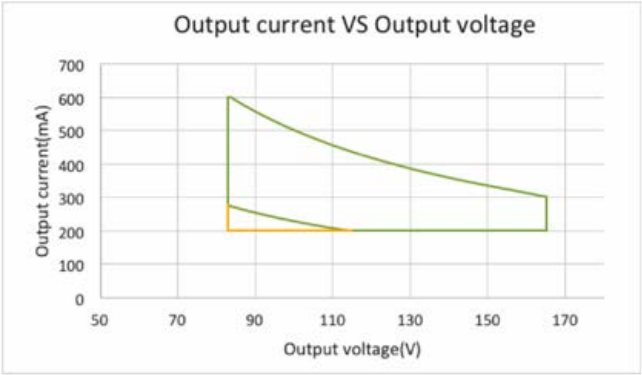
Technical Information

GED50MCC/CR1P600

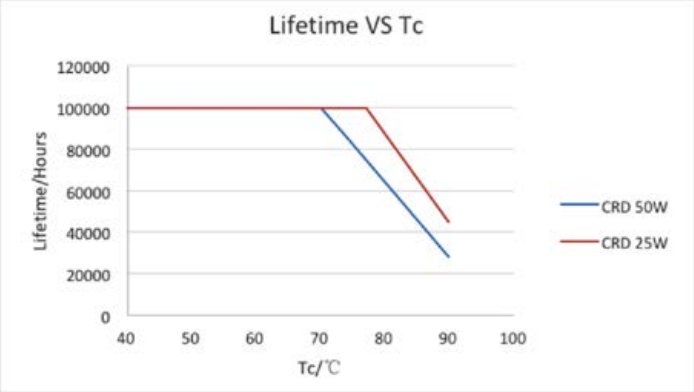


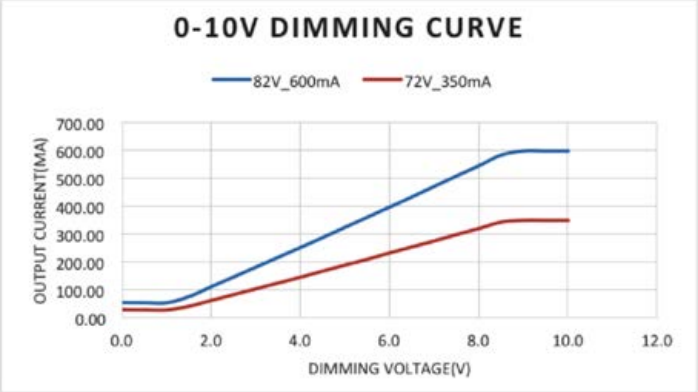
Note: the operation window is tested at room temperature = 25° deg C

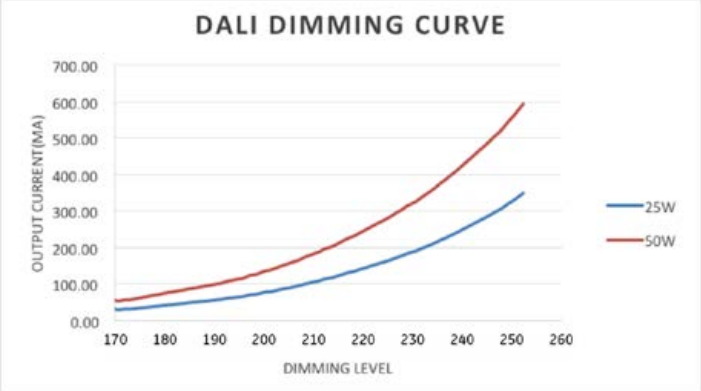
GED25MCC/CR1P350

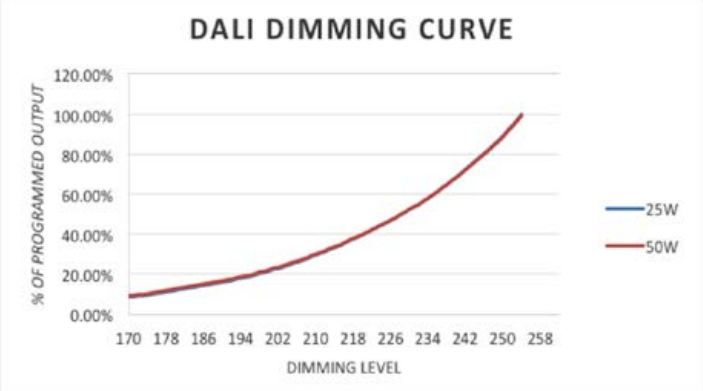


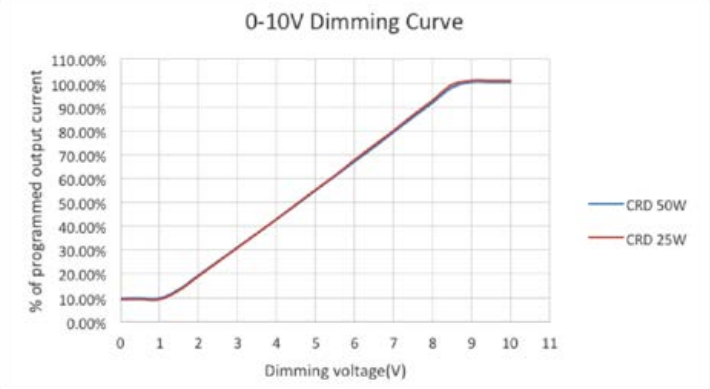
Note: the operation window is tested at room temperature = 25° deg C











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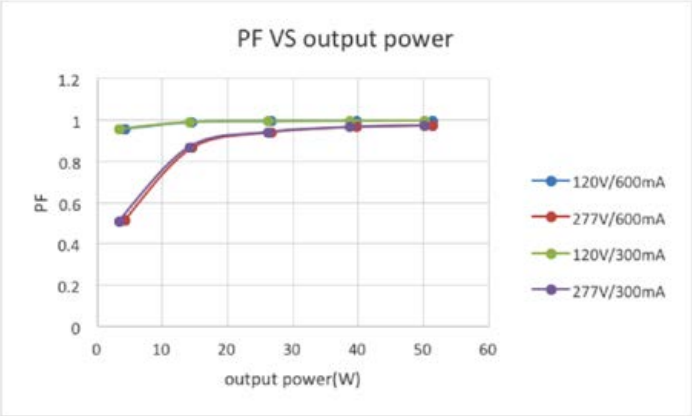
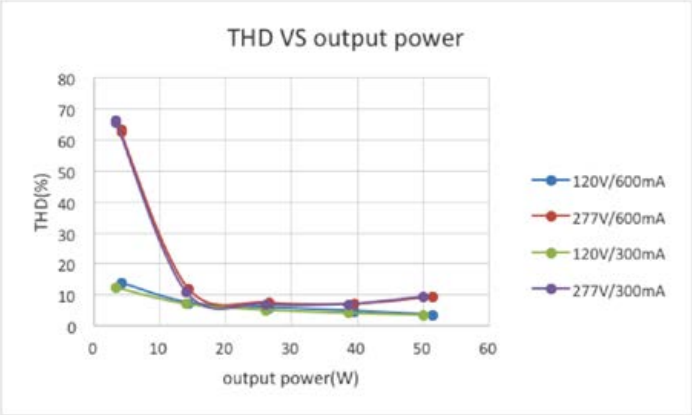
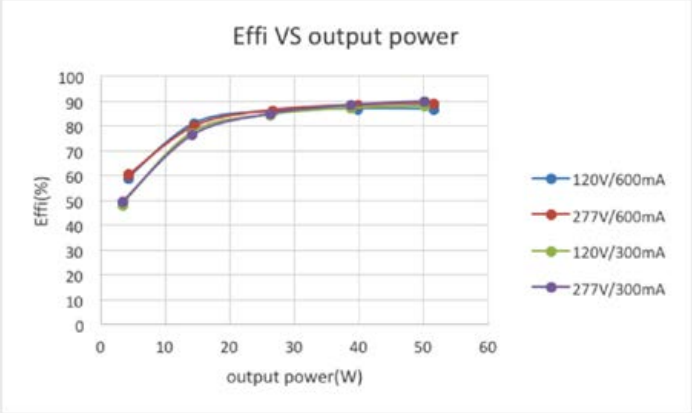
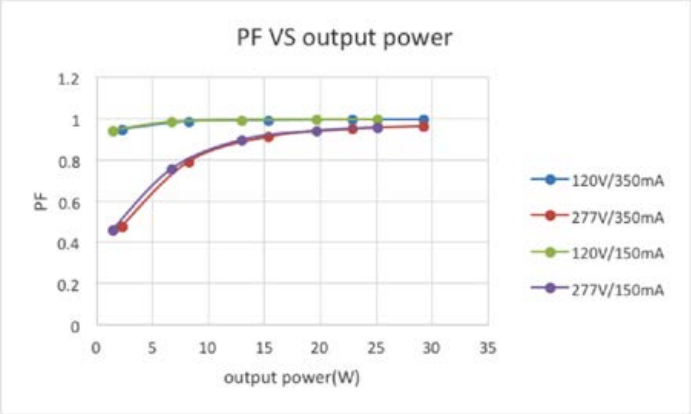
GED50MCC/CR1P600

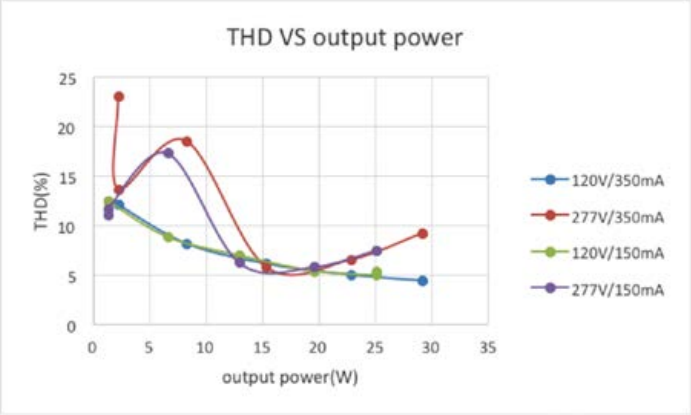


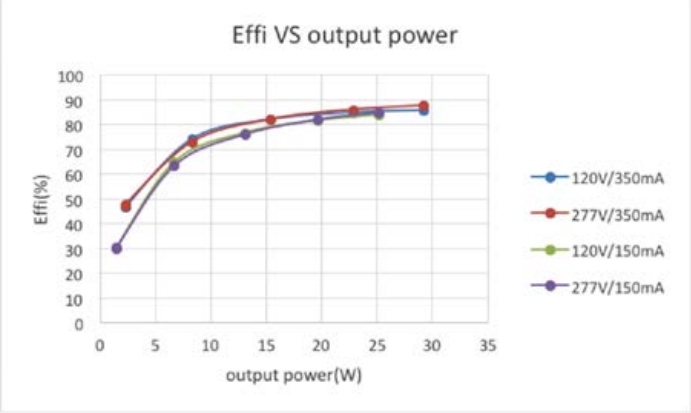




GED25MCC/CR1P350



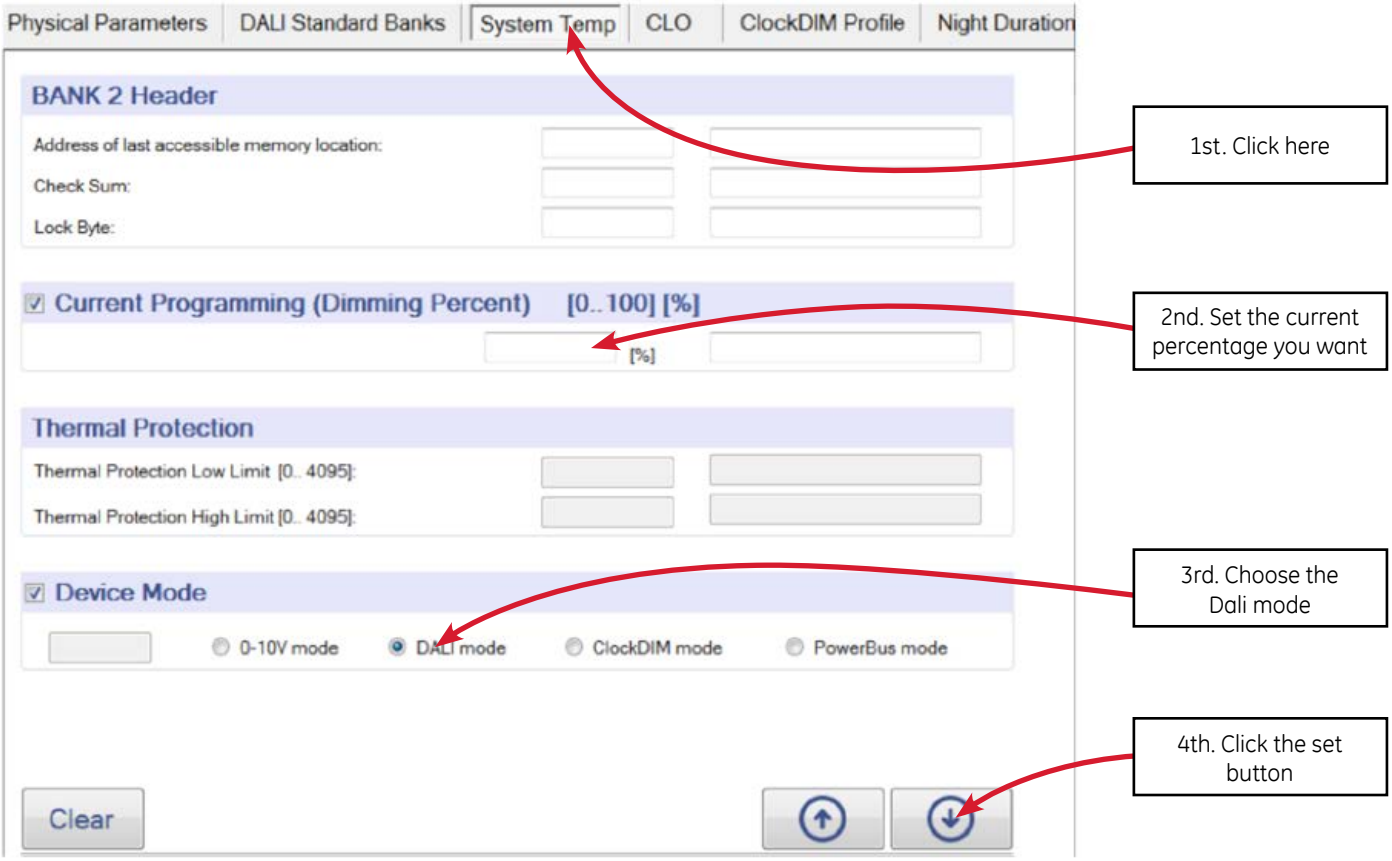




Current Programming Interface

GED50MCC/CR1P600; GED25MCC/CR1P350

Firstly open the software (CRD50W_GUI_V1.0) and click the System Temp sheet, then put the value to be programmed (between 0 to 100%) into the Current Programming part,and then choose the DALI mode in Device Mode part, finally click the set button to complete the programming of driver.

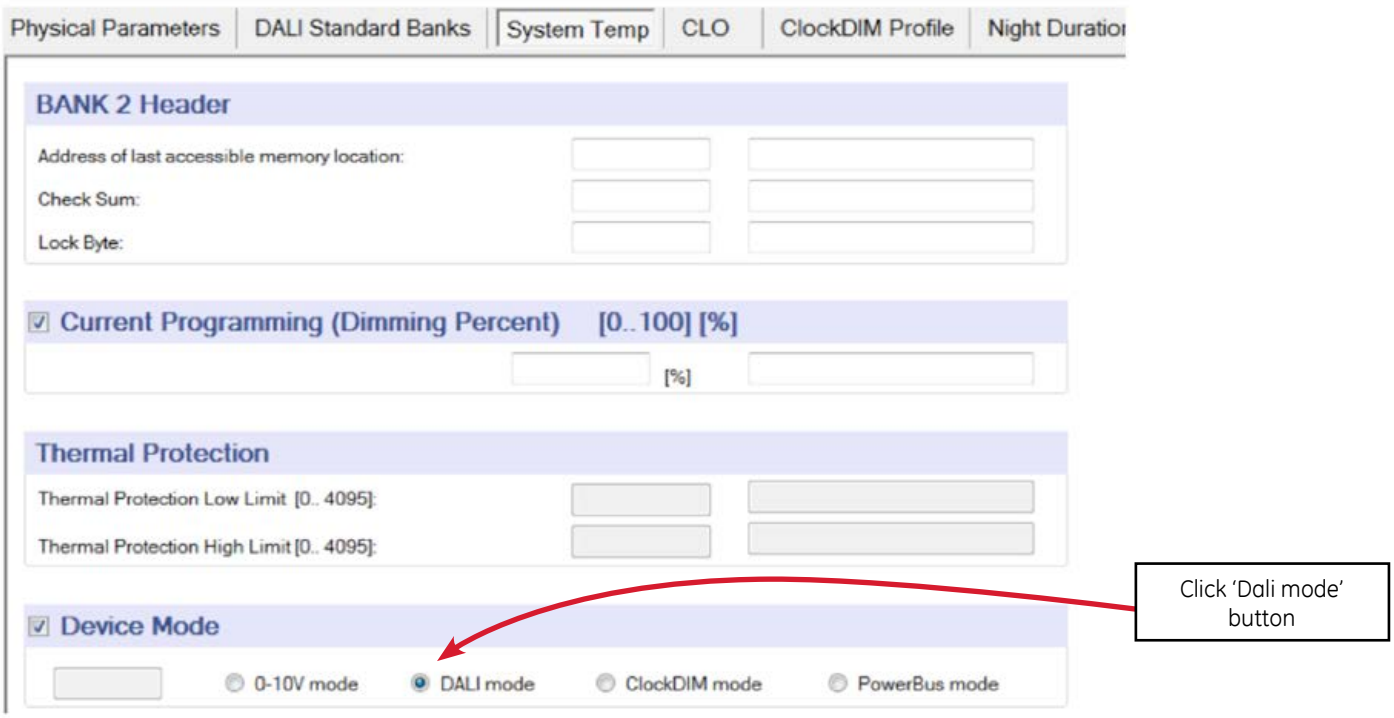


Notes:

When using GUI to do current programming, purple/white wire connect to tridonic DALI BUS "+", yellow/white wire connect to tridonic DALI BUS "-".

0-10V and DALI Switch Over:

1.0 -10V to DALI



2. DALI to Power BUS