

50W TCO Outdoor Dimming Driver



GED50MV1P600

SAP: 95050425

Description: 0~10V/current Programmable

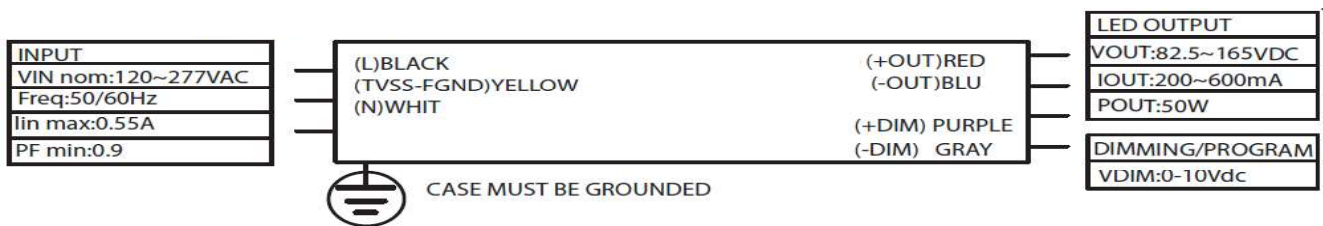
Input Voltage: 120V/277Vac±10%

Input Frequency: 50Hz/60Hz

Surge protection: 10KV/5KA

ROHS Compliant: Yes

Input Voltage(V)		PF. min	THD	Output power range(W)		Output voltage(V)		Programmable Current Range (A) ±5%		Max ouput current ripple	Dimming	Warranty Life
Nom	Frequency			min	max	Min	Max	Min	Max			
120-277Vac	50Hz/60Hz	≥0.9 @full load	≤20%	25.0	50.0	82.5	165.0	0.2	0.6	8% and 120HZ @25°C((Pk-avg)/avg)	0-10V 10%-100%	10years @Tc 65C



Product Features

Physical

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

Performance

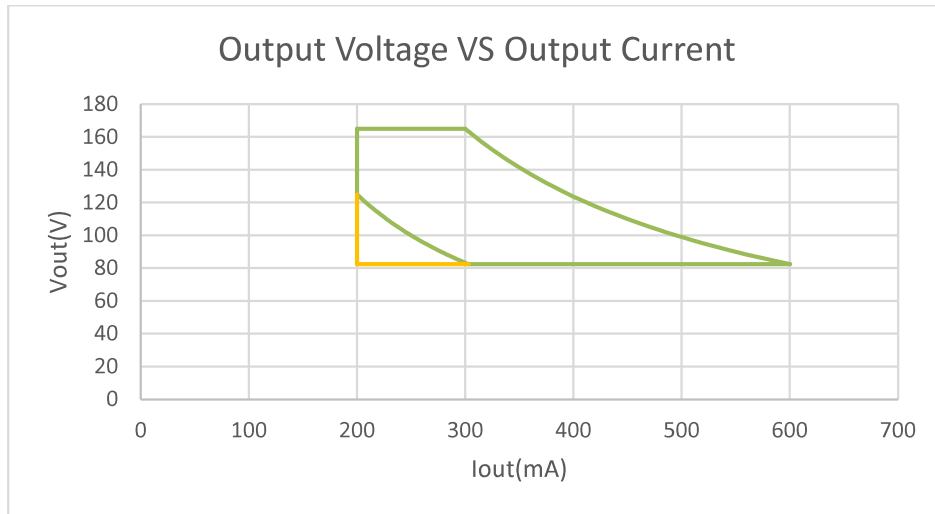
- The unit is classified as Class 1 as stipulated in UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable case temperature: 85°C.
- For reliability and failure rate information, contact GE Technical Sales Representative.
- 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 and EN55015:2013.
- The unit is resistant to surges as per IEEE/ANSI C136.2-2015 C LOW (10kV/5kA) for NA Class 1 and EU Class I applications.
- The unit is resistant to surges as Per IEC61000-4-5 4kV/2kA in EU Class II applications.
- 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-GND (Yellow wire) shall be connected to fixture ground after hi-pot test using closest tab screw.
THIS IS NOT A SAFETY GROUND!

Technical Information

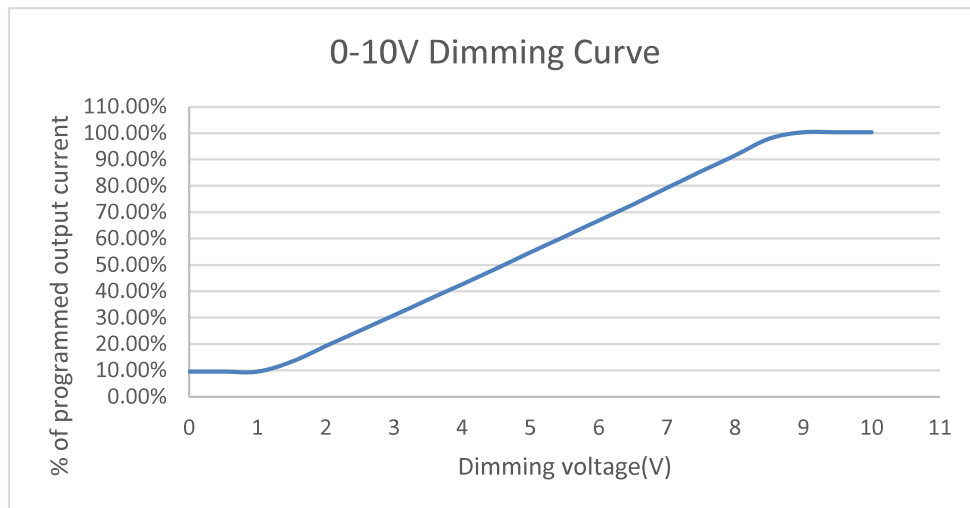
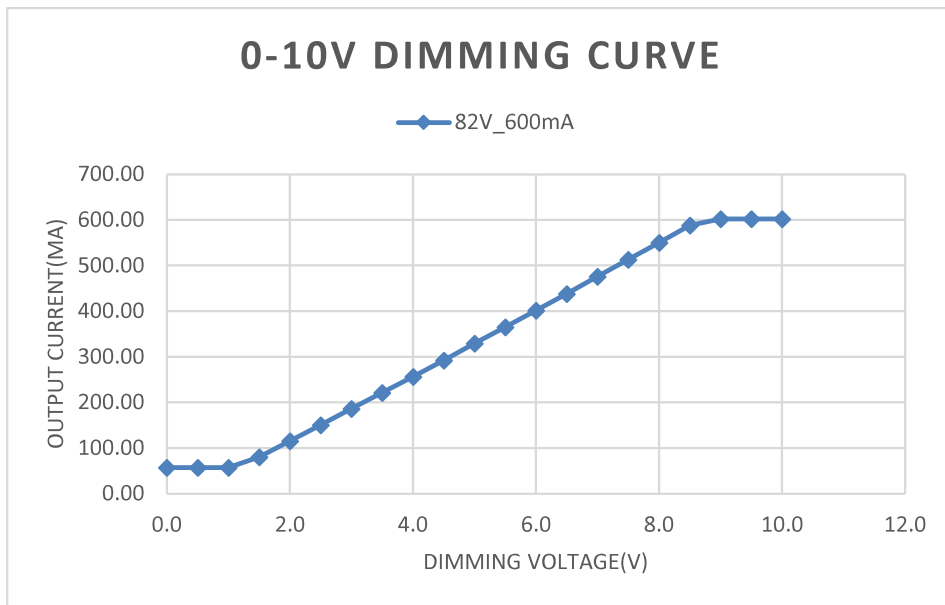
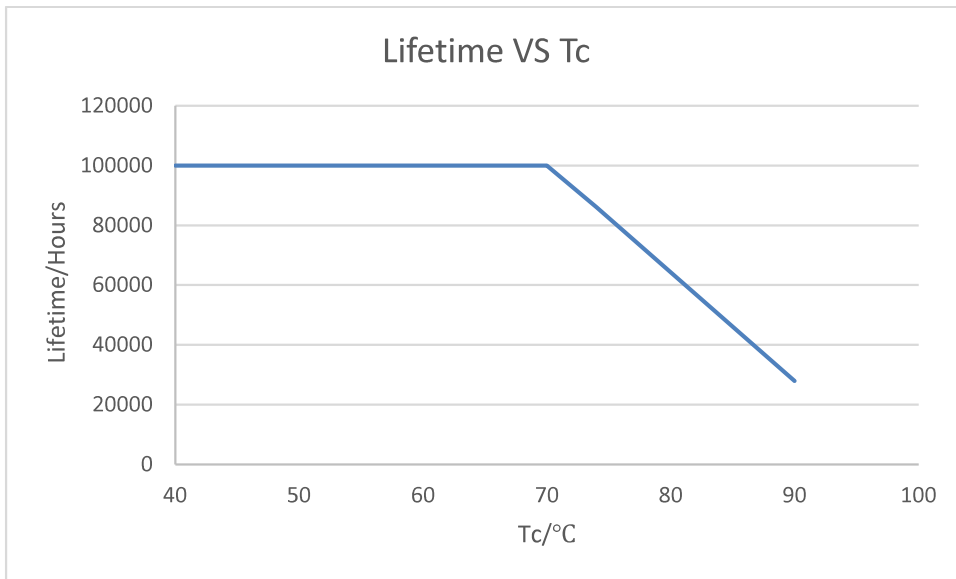
GED50MV1P600



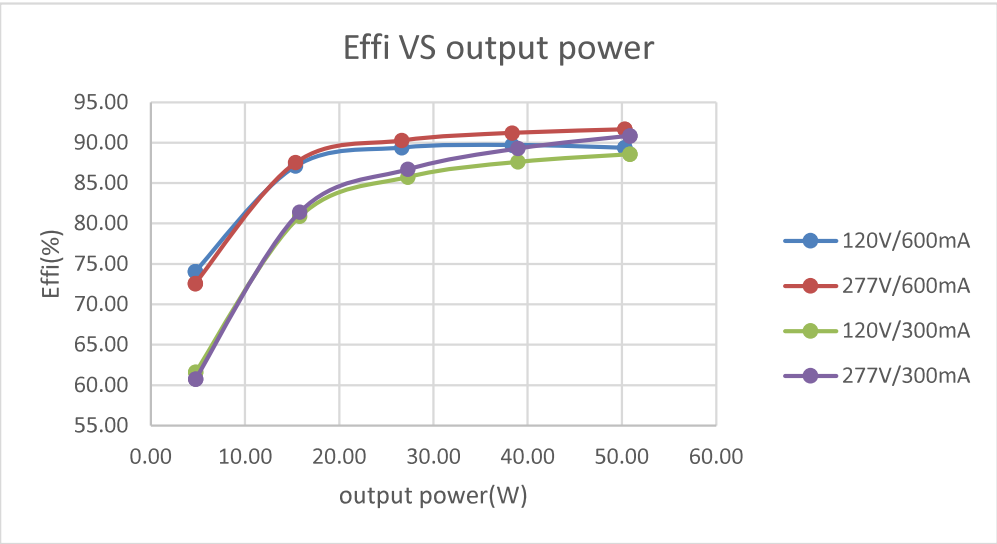
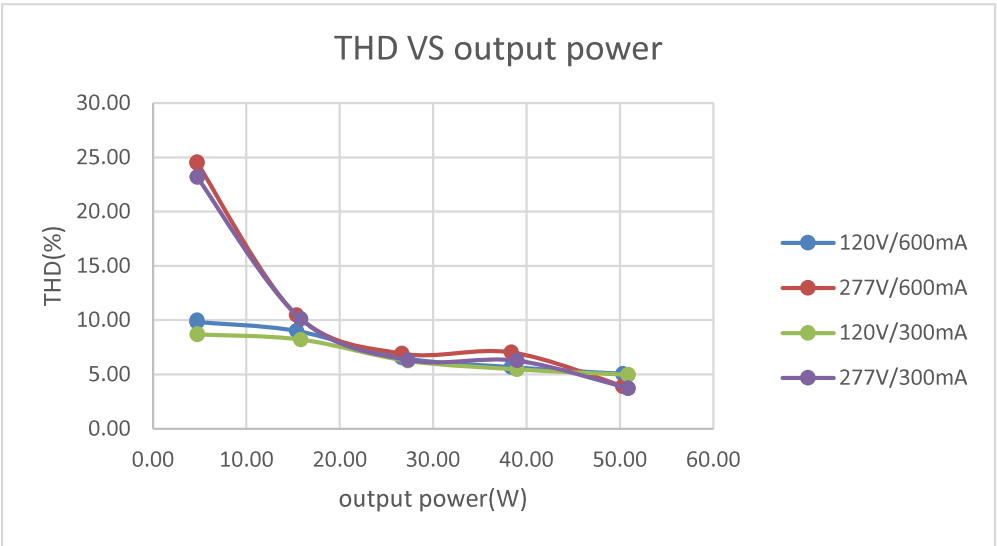
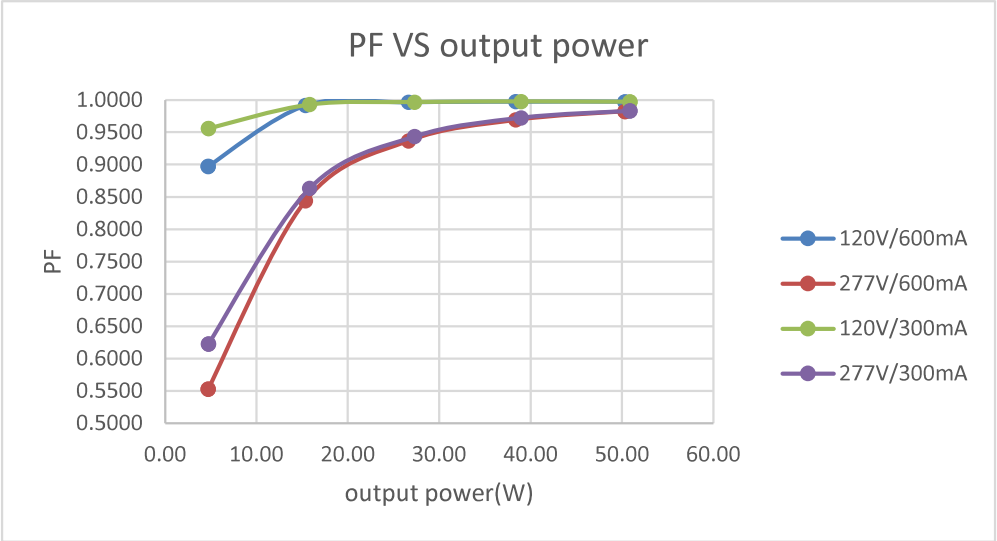
Note: the operation window is tested at room temperature = 25degC

Green: Operation Window (PF>0.9, THD<20%, 10% dimming depth)

Yellow: Driver can work within this window, but not ensure the PF>0.9.



GED50MV1P600



GED50MV1P600		
Input Inrush Current		
Input Voltage	Peak Current Pulse(A)	Pulse Duration (50% of Peak)
[V _{rms}]	50W_9-1	[uS]
120	20.3	155
277	46.3	168

Product Label



UltraMax®
Programmable
LED Driver

Measure 40mm from the end

Measure 30mm down side

Tc

120-277V

GED50MV1P600
SAP:95050425

INPUT

VIN nom:120~277VAC

Freq:50/60Hz

Iin max:0.55A

PF min:0.9

(L)BLACK
(TVSS-FGND)YELLOW
(N)WHIT

(+OUT)RED
(-OUT)BLU

(+DIM) PURPLE
(-DIM) GRAY

LED OUTPUT

VOUT:82.5~165VDC

IOUT:200~600mA

POUT:50W

DIMMING/PROGRAM

VDIM:0-10Vdc

 CASE MUST BE GROUNDED

WARNING/AVERTISSEMENT

Risk of electric shock. Risque de choc électrique.

Turn power off before servicing.
Properly ground the power supply and fixture.
IMPORTANT: After Hipot test, connect the yellow wire (TVSS-FGND) to fixture's ground using the closest tab screw.
Couper l'alimentation électrique avant l'installation ou l'entretien.
Relier correctement la mise à la terre du bloc d'alimentation au luminaire.
IMPORTANT: Après le test d'isolation électrique, relier le fil jaune (TVSS-FGND) à la mise à la terre du luminaire en utilisant la vis de montage la plus proche.

 **UL** **LISTED**
LED DRIVER
E340135

LED Isolated Driver
Class P
Class 1 for NA
Class 2 control wires
High Power Factor
Min Start Temp -40°C
Tc=85 °C max
For Connections Use Wire Rated for at Least 90°C (194°F)
FCC Part 15 Class A
CAN ICES-005 (A) / NMB-005 (A)
Install and ground per National Electric Code
For Dry or Damp Locations

Firmware:

Assembled in Vietnam
Designed&Distributed
by GE Current, a Daintree company
Nela Park,Cleveland,Ohio 44112
For technical assistance call:
1-800-327-0097

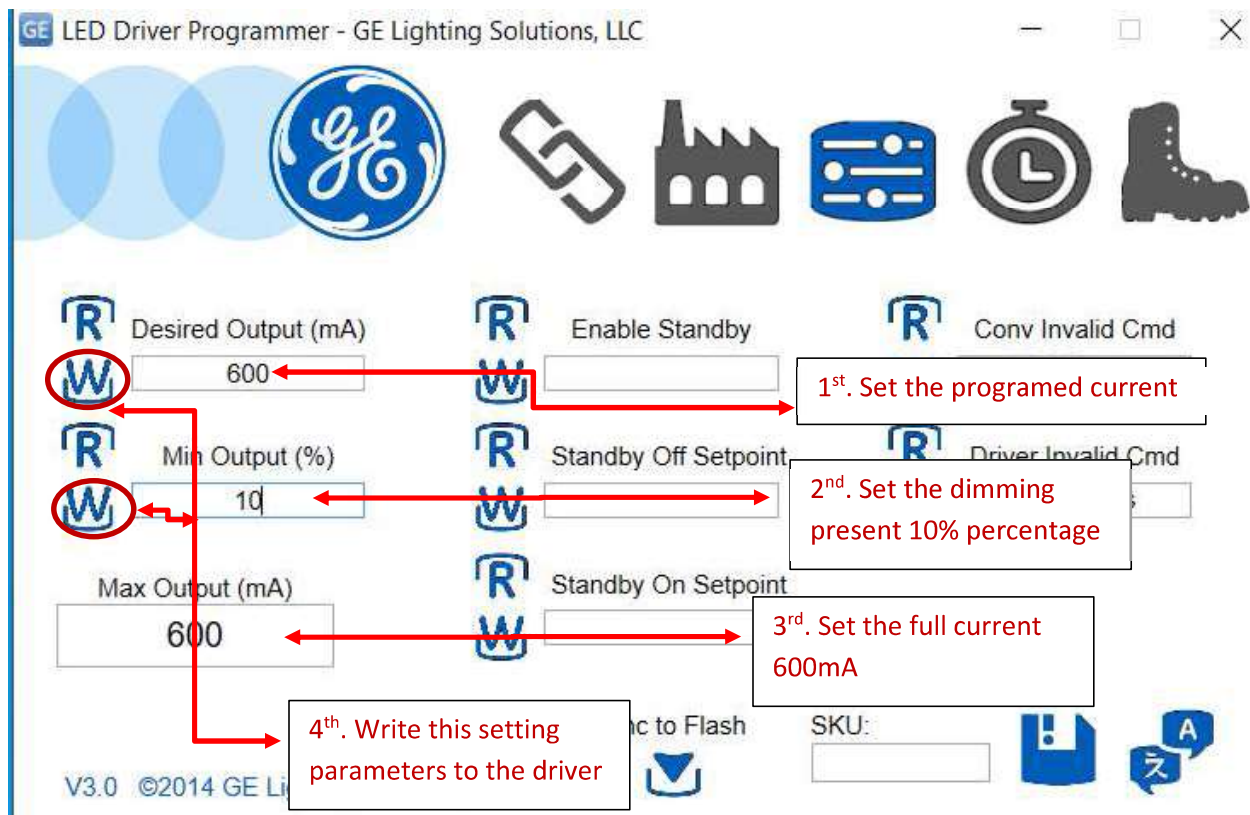
S/N:



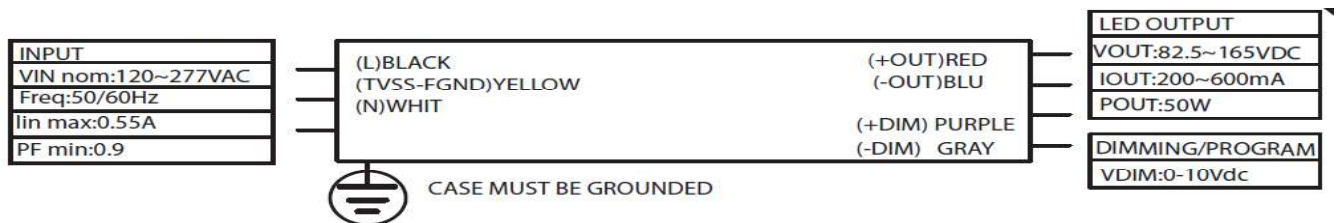
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Current Programming Interface

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



Notes



- Used as 0-10V dimming interface, it needs to distinguish polarity, purple wire connects to 0-10V '+', and gray wire connects to 0-10V '-', the same as all 0-10V drivers.