

GE
Lighting

LED Power Supply

Outdoor Dimming Driver GE150/1050/MV-GL
12161



imagination at work

Outdoor Dimming Driver

GE150/1050/MV-GL

Description: 150W 0.53/0.7/1.05A Dimmable Class 1 PSU

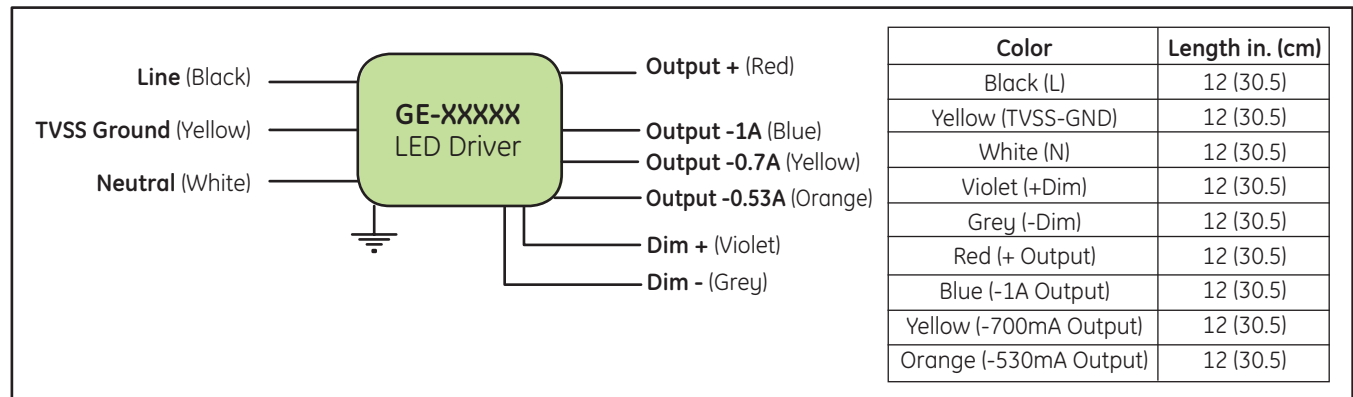
Input Voltage: 120-277V

Input Frequency: 50-60Hz

ROHS Compliant: Yes



Max Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency @ Full Load			Max Input Current (A)	Max THD @75W Output	Min PF @75W Output	Max Inrush Current (A/mS)	Isolated Dimming			Weight (lbs/kg)	IP Rating
			120V	230V	277V					Protocol Source	Current Range	Dimming Range (%)		
150	0.525 ± 5%	140-280	>91%	>92%	>93%	1.60 @ 120V 0.80 @ 277V	20%	0.9	See Page 4	0-10V	0.5mA	100% - 10%	2.2/1	IP66
	0.700 ± 5%	105-210	>90%	>92%	>92%					0-10V	0.5mA	100% - 10%	2.2/1	IP66
	1.05 ± 5%	70-140	>89%	>91%	>91%					0-10V	0.5mA	100% - 10%	2.2/1	IP66



Product Features

Physical

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

Performance

- Classified as Class 1 as per UL8750.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable case temperature: 80°C.
- For reliability and failure rate information, contact GE Technical Sales Representative.
- Output current reduces if the case temperature exceeds 85°C.
- UL listed for operation in dry/damp locations (IP66).
- Tolerates of extended open circuit and short circuit conditions.
- Compliant to FCC Title 47 Part 15 Class A
- Surge resistance per IEEE/ANSI C136.2-2015 Location C-Low (6kV/3kA)
- Ground Leakage current of <= 0.4 mA

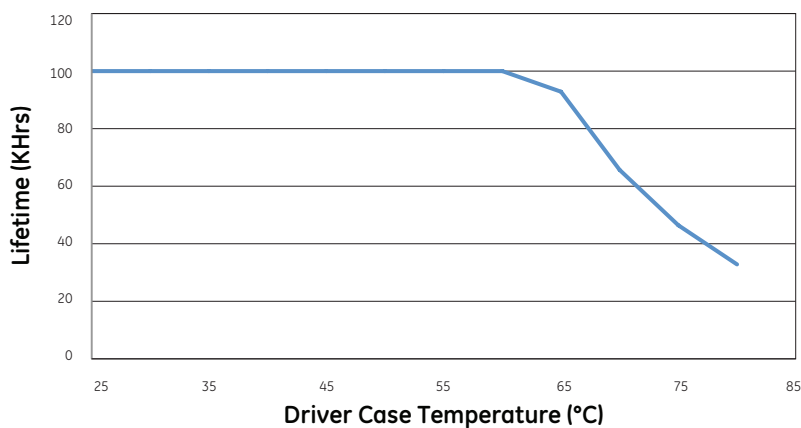
UL Conditions of Acceptability – E340135

- 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!

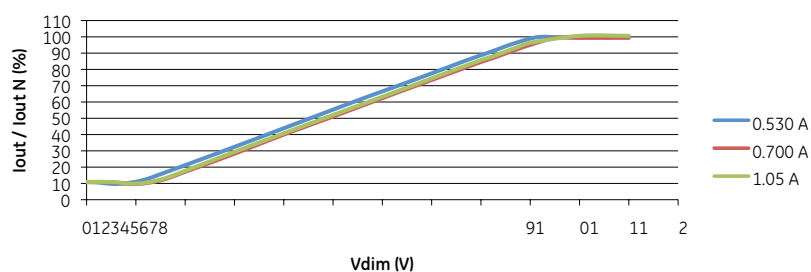
Technical Information

GE150/1050/MV-GL

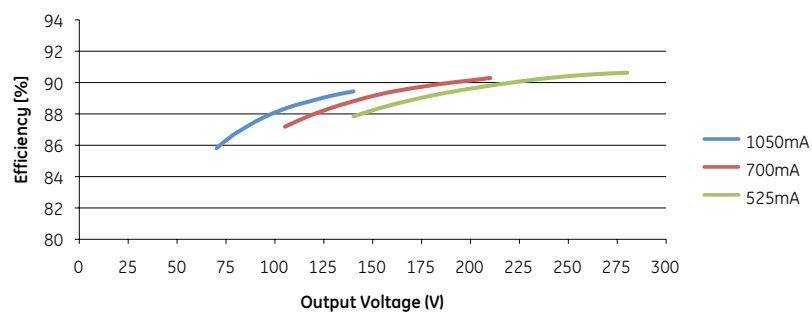
Lifetime (kHrs) vs Case Temperature (°C)



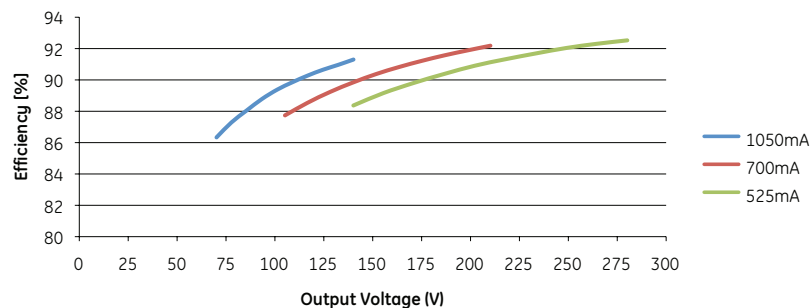
Output current vs Dim Voltage



Efficiency vs Output Voltage @ 120V 60Hz



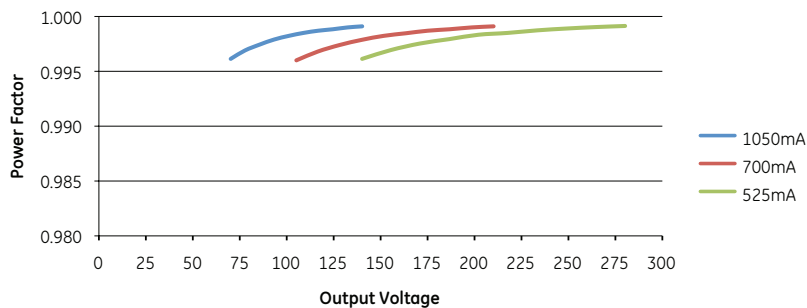
Efficiency vs Output Voltage @ 277V 60Hz



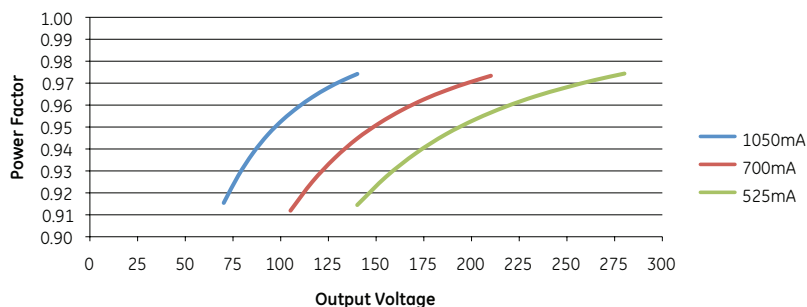
Technical Information

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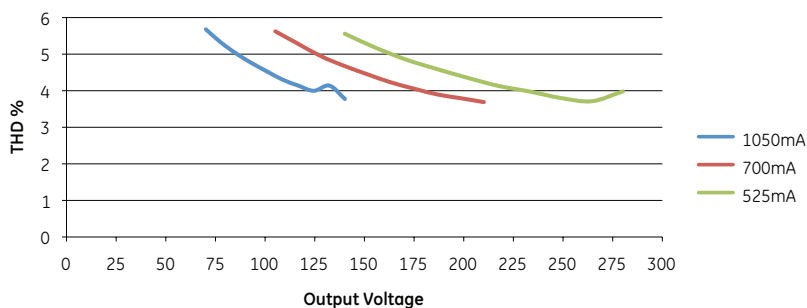
PF vs Output Voltage @ 120V 60Hz



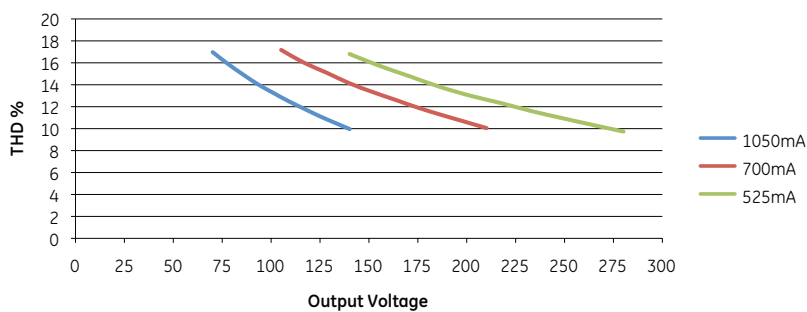
PF vs Output Voltage @ 277V 60Hz



THD vs Output Voltage @ 120V 60Hz



THD vs Output Voltage @ 277V 60Hz



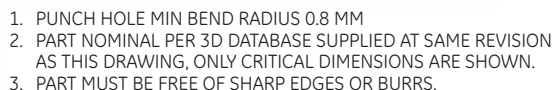
Input Inrush Current

Input Voltage [Vrms]	Peak Current Pulse [Apk]	Pulse Duration (50% of Peak) [ms]
120	31	0.1
277	60	0.1

Input Ground Leakage Current

Input Voltage [Vrms]	Leakage Current [mA]
S1 ON	S1 Off
120	0.18
208	0.18

GE150/1050/MV-GL



LED POWER SUPPLY
G E150/1050/MV-GL

INPUT

VIN nom: 120-230V~
Freq: 50/60Hz
Iin max: 1.6A~
PF min: 0.9

WARNING / AVERTISSEMENT !
RISK OF ELECTRIC SHOCK
Turn power off before servicing.
Properly ground power supply and fixture
RISQUE DE CHOC ÉLECTRIQUE
Déconnectez l'alimentation électrique
avant d'installer ce produit

IMPORTANT: After HiPot test connect TVSS-
FGND to fixture using the closest tab screw.

OUTPUT

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

(+OUT) RED
(-OUT_0.53A) ORANGE
(-OUT_0.7A) YELLOW
(-OUT_1.05A) BLUE
(+DIM) VIOLET
(-DIM) GRAY

Measure 20mm
down side

VOUT: 70-280V
IOUT: 0.53A RED/ORG
IOUT: 0.7A RED/YEL
IOUT: 1.05A RED/BLU
POUT: 150W

tc = 80°C max

VDIM: 0-10V

S/N: sssss yy ddd PWS009 0
Made in China



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