

GE
Lighting

LED Power Supply

Lightech™ LED Driver
(GELD24MV100U-A) 70283



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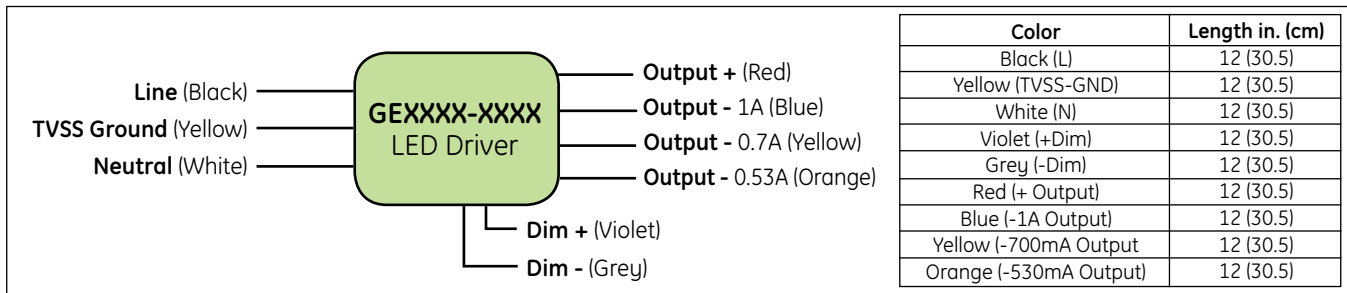
Lightech™ LED Driver

(GELD24MV100U-A)

Description: 24Vdc, 4A, 96W output, Class 2 driver
 Input Voltage: 120-277V
 Input Frequency: 50-60Hz



GE Product Code	Max Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency @ Full Load	Max Input Current (A)	THD @ Full Load	PF @ Full Load	Max Inrush Current (A/m5)	Surge Protection (kV/kA)	Weight (lbs/kg)	Water Rating
70283	96W	4A Max	24V	87%	1.1 @ 120V	<10%	>90%	25 @ 277V	3 / 0.25	1.1 / 0.52	IP66



Product Features

Performance

- The unit is classified as Class 2 as stipulated in UL8750.
- Minimum ambient operating temperature: -40°C.
- Maximum allowable casing temperature: 85°C.
- For reliability and failure rate information, contact GE Lighting Solutions

Input Inrush Current		
Input Voltage (V _{rms})	Peak Current Pulse (A _{pk})	Pulse Duration (50% of Peak) (ms)
277	25	0.25ms

- 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 and CISPR 15
- The unit is resistant to surges as per IEEE/ANSI C62.41.2-2002 Location A (3kV/0.25kA) and EN61000-4-5:2006 (1kV/0.5kA)

Input Ground Leakage Current	
Input Voltage (V _{rms})	Leakage Current (mA)
120	0.22
240	0.44
277	0.52

Physical

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

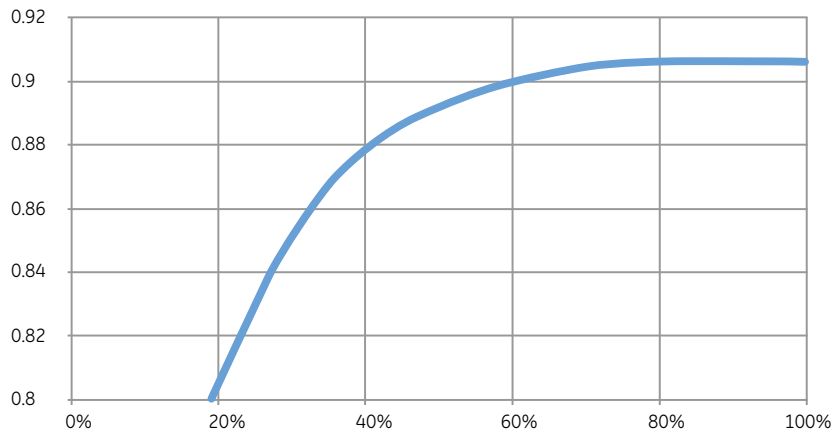
UL Conditions of Acceptability – E340135

- The unit has been examined to comply with Class 2 Output Criteria
- The unit is only to be used in dry or damp locations
- The metal casing must be connected to EARTH.

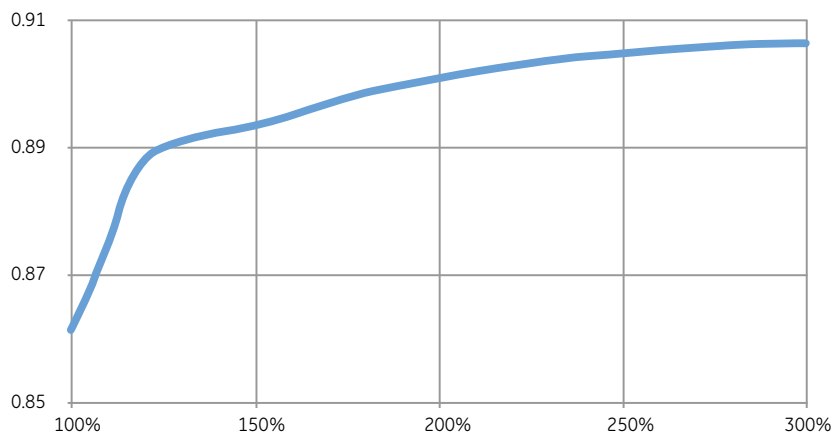
Technical Information

(GELD24MV100U-A)

Efficiency vs. Load at 277Vcc



Efficiency vs. Input Voltage at Full Load

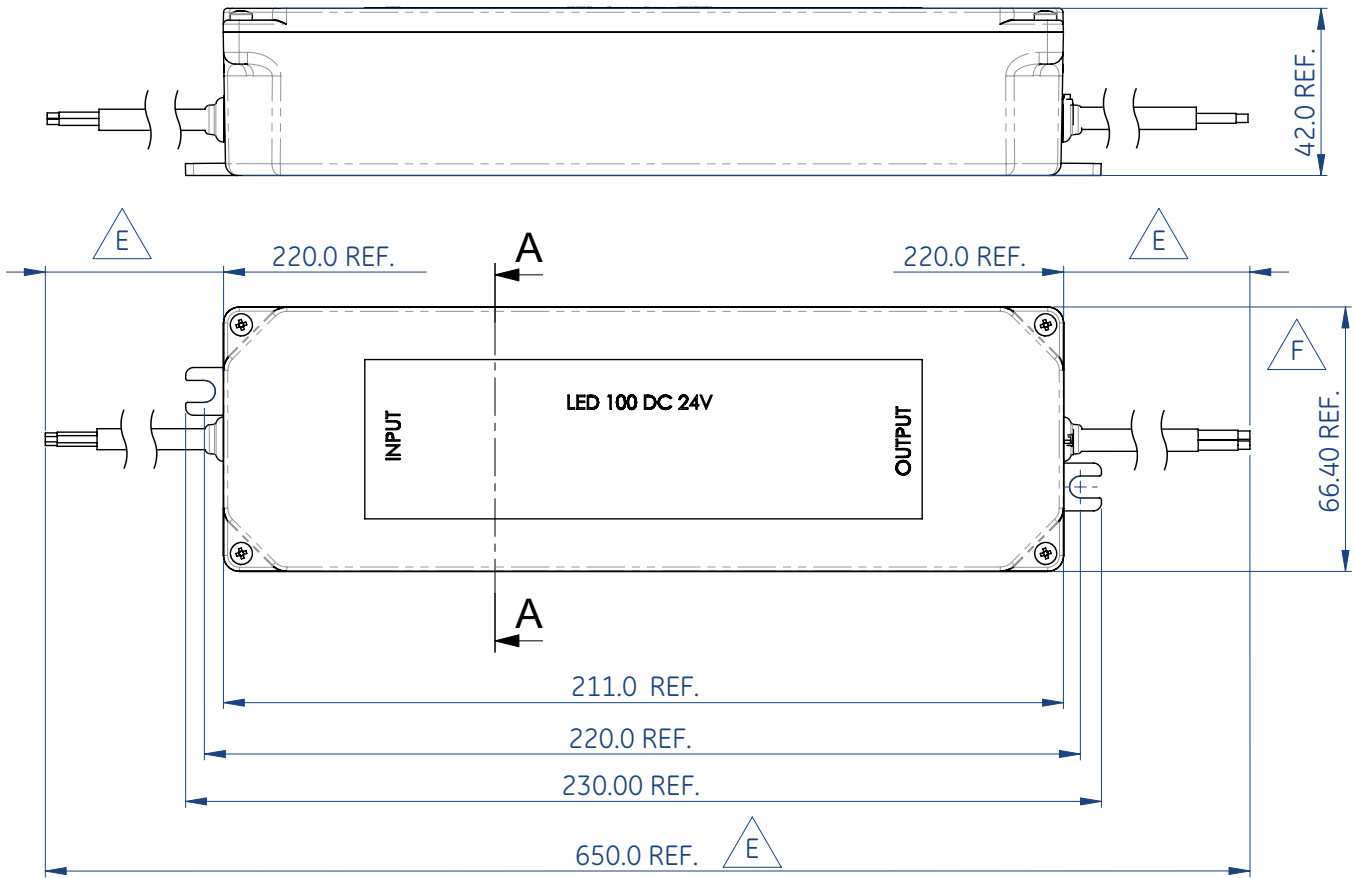


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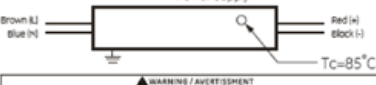

	Left Side Wires		Right Side Wires	
Driver Type	White	Black	Blue	Red
GELD24MV100U	230 mm Left	230 mm Left	660 mm Right	660 mm Right

Product Dimensions

(GELD24MV100U-A)



Product Label

 <p>Lightech™ LED Driver</p> <p>GELD24MV100U-A 120-277 Volts, 50/60 Hz</p>  <p>0 43168 70283 6</p>	<p>INPUT Voltage 120-277 VAC 50/60 Hz Current 1.1 Amps PF >0.9</p> <p>OUTPUT 24 VDC 4.0 Amps Single Output 96 watts</p> <p>Power Supply</p>  <p>WARNING / AVERTISSEMENT Risk of electrical shock. Disconnect power before servicing or installing product. Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.</p>	<p>120-277V</p> <p>Wide Range 120 to 277V Input LED Electronic Driver Min Start Temp. -40°C Inherent Thermal Protection FCC Part 15 Class A High Power Factor Sound Rated A Product is compliant with material restriction requirements of RoHS.</p> <p>Install and ground per National Electric Code For Dry or Damp Locations</p>	<p>Assembled in China, Designed & Distributed by General Electric Co. GE-Lighting Nela Park, Cleveland, Ohio 44112</p>  <p>For assistance call: 1-888-GEBALLast Product Code: 70283</p>
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