

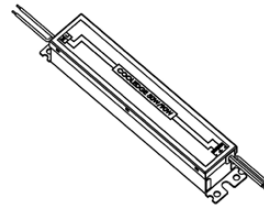
LED Power Supply



Lightech™ - LED Driver
(GELD100MV480PVNA2 83453)

Lumination™ LED Luminaires

Lightech™ LED Driver
GELD100MV480PVNA2



Project name _____
Date _____
Type _____

Performance Summary:

Description: Constant Current, Class 1 per UL, Dimmable PSU
Input Voltage: 120-277V
Input Frequency: 50-60Hz

Product Features:

Performance

- Meets ANSI Standard C82.11-Cons 2002
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 15 Class A/CISPR 15 for EMI and RFI
- THD <20% @ > 40W Output
- Output Current Ripple <30% @ 480 mA

Application

- Minimum Starting Temperature: -22F, -30C
- Maximum Ambient Temperature: 131F, 55C
- Maximum Hotspot Temperature: 176F 80C
- Sound Rated: A

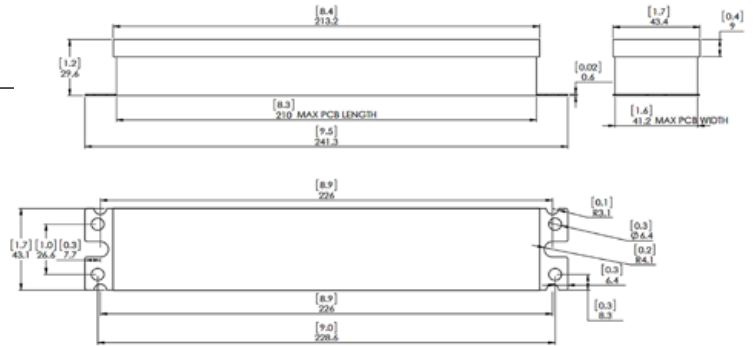
Safety

- IEC61347-1; IEC61347-2-13
- UL, cUL Recognized, Class 1
- FCC Part 15, Class A
- CISPR 15 Compliant

Physical Parameters

Length: 9.5 in (241mm)
Width: 1.7 in (43.2mm)
Height: 1.2 in (30.5mm)
Weight: 1.2 (520g)

Product Dimensions:



GE Product Code	Product Description	Input Volts	Input Current (A)	Max Output (W)	Output Voltage (VDC)	Output Current mA	THD @ Full Load	PF @ Full Load	Class	Dimming Protocol			Features		
										0-10V	Dali	Programmable	UL/cUL	CE	Max (T) Case
83455	GELD100MV480PVNA	120-277	.99-43	100	170-240	350-480	<20%	>0.9	1	x		x	x		176F, 80C

Line (Black) ———

Neutral (White) ———

GEXXXX-XXXX
LED Driver

Output + (Red) ———

Output - (Blue) ———

Dim + (Violet) ———

Dim - (Grey) ———

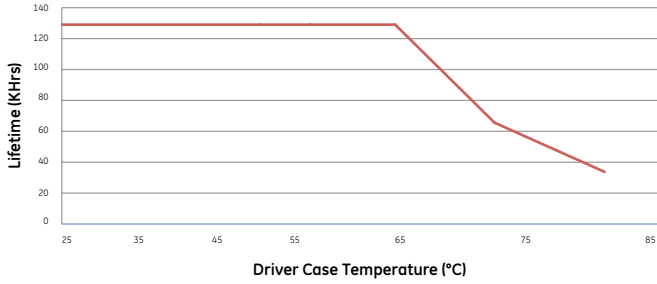
Color	Length in. (cm)
Black (L)	10.6 (27)
White (N)	10.6 (27)
Violet (+Dim)	10.6 (27)
Grey (-Dim)	10.6 (27)
Red (+ Output)	10.6 (27)
Blue (- Output)	10.6 (27)

Input Inrush Current		
Input Voltage (V _{rms}) 277	Peak Current Pulse (A _{pk}) < 80	Pulse Duration (50% of Peak) (ms) < .16

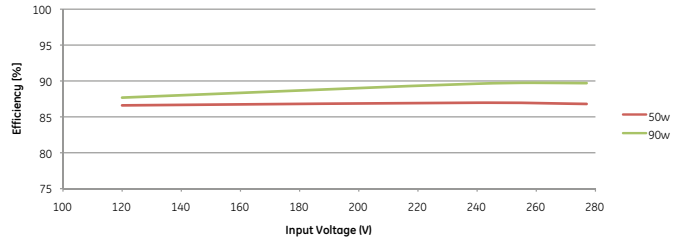
Input Ground Leakage Current	
Input Voltage (V _{rms})	Leakage Current (mA)
120	.22
240	.39

Technical Information:

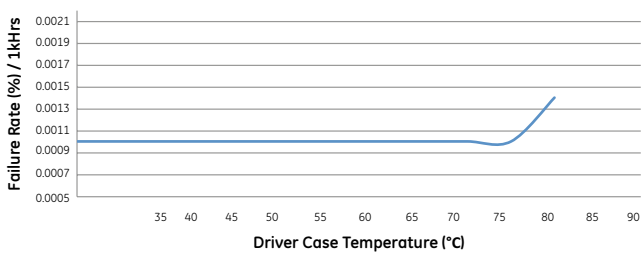
Lifetime (kHrs) vs Case Temperature (°C)



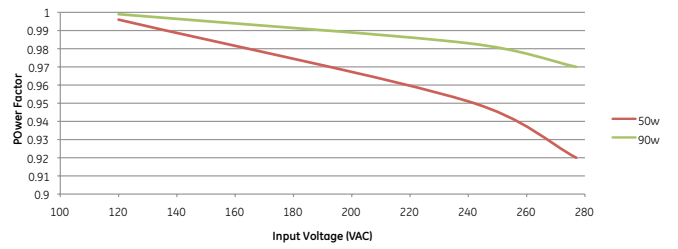
Efficiency vs Input Voltage @ max output power



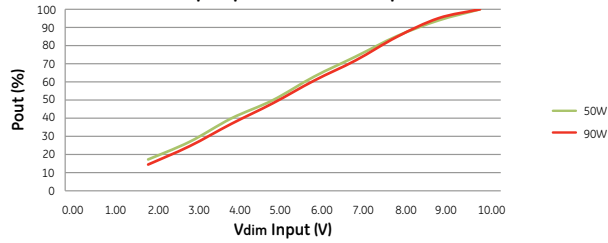
Failure Rate (kHrs) vs Case Temperature (°C)



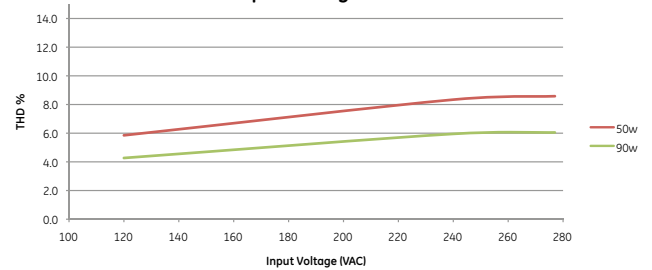
Power Factor vs Input Voltage @ max output power



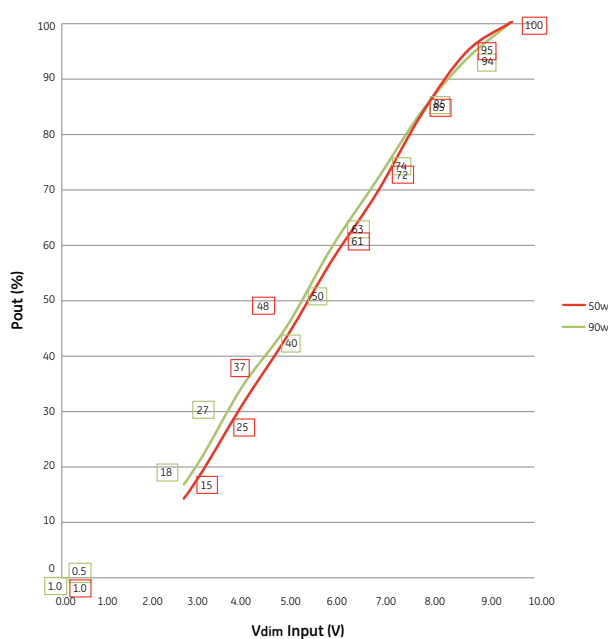
Output power vs Vdim Input






THD vs Input Voltage @ 120V 60Hz



Output power vs Vdim Input



Product Label:

 <p>GELD100MV480PVNA 120-277 Volts, 50/60 Hz</p>  <p>GELD100MV480PVNA</p>	<p>INPUT Voltage 120-277 VAC 50/60 Hz Current 0.99 Amps PF > 0.9</p> <p>OUTPUT 296VDC Max 480mA Max Output 100 Watts</p> <p>Class 1 Power Supply</p> <p>Black I-1 White I-2</p> <p>Red I-1 Blue I-1 Violet I-1 Gray I-1</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>120-277V 0-10V Dimming LED Driver Min Start Temp -30°C Inherent Thermal Protection Class 1 FCC Part 15 Class A High Power Factor Sound Rated A Product is compliant with material restriction requirements of RoHS. 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</p>
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