

GE
Lighting

LED Power Supply

Lightech™ LED Driver
(GELD100MV480PVNA2 83453)



imagination at work

Lightech™ LED Driver

GELD100MV480PVNA2

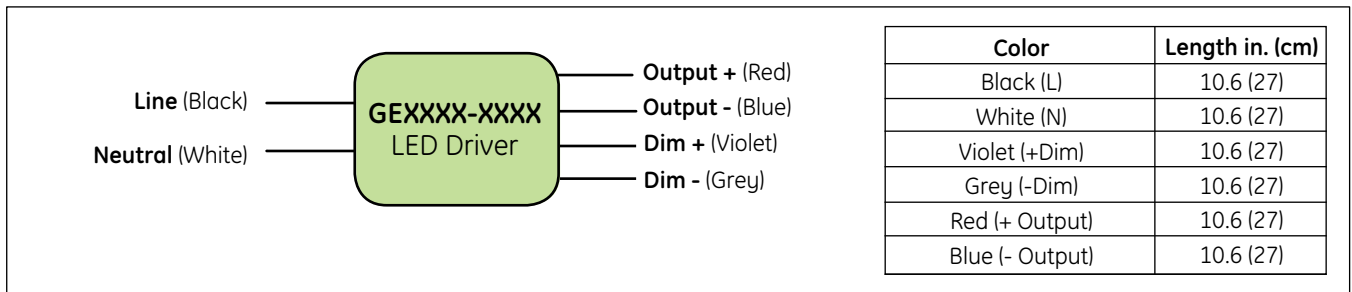
Description: Constant Current, Class 1 per UL, Dimmable PSU

Input Voltage: 120-277V

Input Frequency: 50-60Hz



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	60-155	350-480	< 20%	>0.9	1	x		x	x		176F, 80C



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

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

Application

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

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

Safety

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

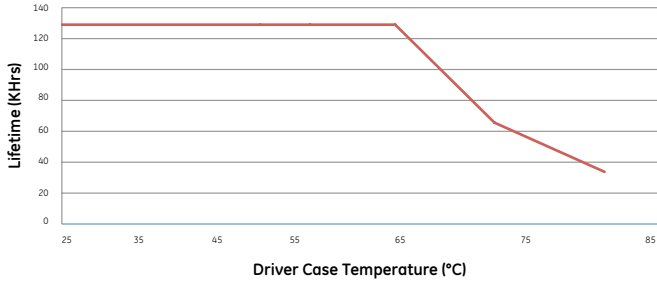
Physical Parameters

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

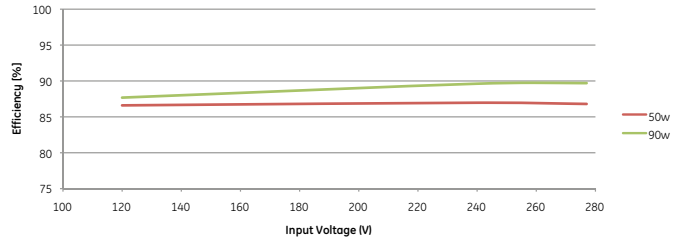
Technical Information

GELD100MV480PVNA2

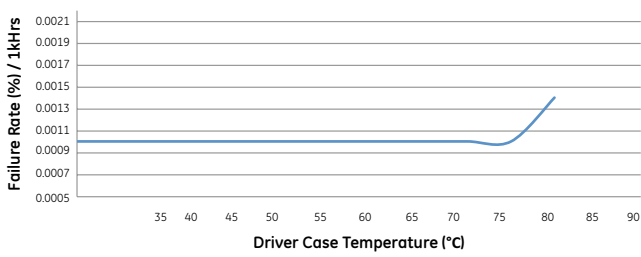
Lifetime (kHrs) vs Case Temperature (°C)



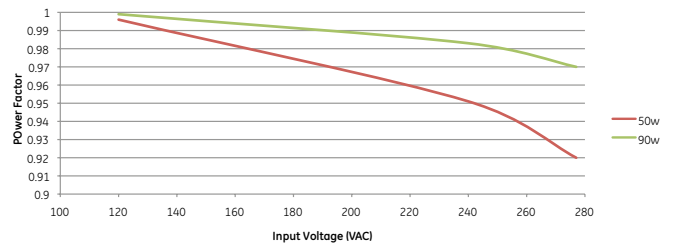
Efficiency vs Input Voltage @ max output power



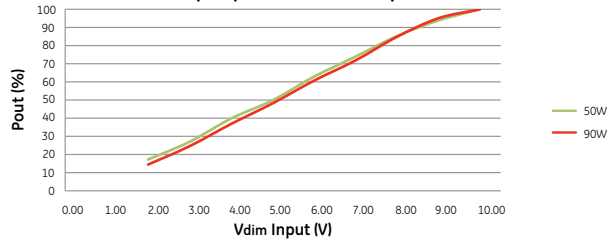
Failure Rate (kHrs) vs Case Temperature (°C)



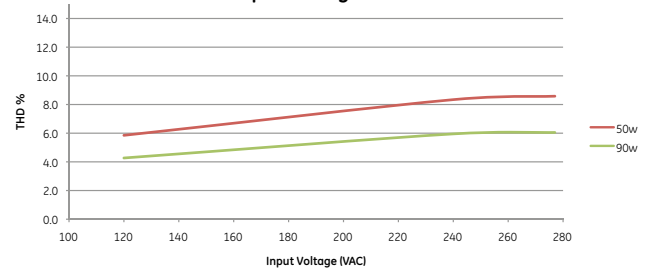
Power Factor vs Input Voltage @ max output power



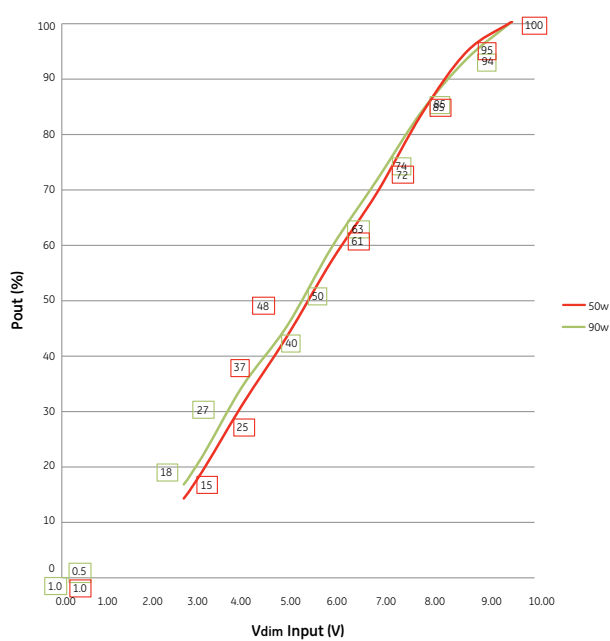
Output power vs Vdim Input



THD vs Input Voltage @ 120V 60Hz

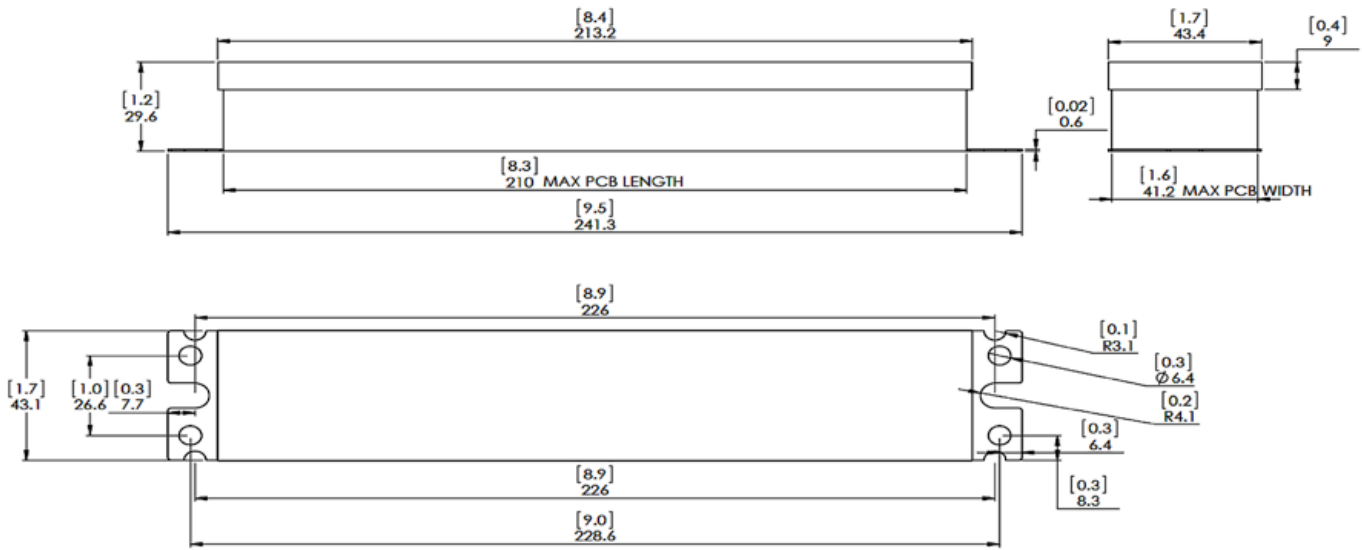


Output power vs Vdim Input



Product Dimensions

GELD100MV480PVNA2



Product Label

Lightech™ LED Driver
GELD100MV480PVNA
 120-277 Volts, 50/60 Hz

INPUT
 Voltage 120-277 VAC 50/60 Hz
 Current 0.99 Amps
 PF > 0.9

OUTPUT
 298VDC Max
 480mA Max Output
 100 Watts

Class 1 Power Supply

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.

120-277V
 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

Assembled in China. Designed & Distributed by General Electric Co.
 GE Lighting
 Nela Park, Cleveland, Ohio 44112

UL
 E340135

For assistance call:
1-888-GEBALLast



www.gelighting.com

GE and the GE Monogram are trademarks of the General Electric Company. All other trademarks are the property of their respective owners. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions. GE Lighting and GE Lighting Solutions, LLC are businesses of the General Electric Company. © 2015 GE.

OLP0000 (Rev 10/23/15)