



Indoor Class 2 LED Driver

D036MP30X70V2SM

Description: 36W 0.3A~0.7A 0-10V Dimmable/Programmable Class 2 PSU

Input Voltage: 120-277Vac +/-10% (UL), 230Vac +/-10% (CE)

Input Frequency: 50/60Hz

ROHS Compliant: Yes

Output Power (W)	Output Current (A)	Output Voltage (V)	Efficiency at full load (277Vac input)	Max Input Current (A)	Input Power (w)	THD @ 21W Po (277Vac)	PF @ 21W Po (277Vac)	Inrush Current (A/mS)	Surge Protection (kV/kA)	Weight (lbs/g)
36	0.3 -0.7 ± 5%	21-51	>89%	0.39A (UL), 0.2A (CE)	42W	<20%	>0.9	See Page below	3kV/0.25kA	1.33lb / 602g

Dimming Function			
Dimming Method	Isolation	Dimming Range (%)	Current source
0-10V	Class 2	100% - 10%	0.5mA

Wiring Diagram: See label below

Product Features

Physical

- Unit must be installed in compliance with the applicable requirements of the end-product standard for enclosure, mounting, spacing, casualty and segregation.
- Enclosure wiring must be rated to 600V & 105°C or higher.

Performance

- The unit is classified as Class 2 as stipulated in UL1310.
- Dimming circuit is classified as Class 2 as stipulated in UL1310.
- Minimum ambient operating temperature: -30°C.
- Maximum allowable casing temperature: 80°C.
- For reliability and failure rate information, contact LED Indoor Electronics Team.
- 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 EN55015.
- The unit is resistant to surges as per ANSI C62.41 – 2002 and IEC 61000-4-5.

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**.
- The “LED” and “DIM” output circuits must remain isolated from one another to be considered class 2 circuits in the end use.

Product Label

Lighttech™ LED Driver
D036MP30X70V2SM
84887

INPUT
Voltage 120-277 VAC 50/60 Hz per UL
220-240 VAC 50/60 Hz per CE
Current 0.36 Amps per UL, 0.2 Amps per CE
PF > 0.9

Tc=80°C On Side

OUTPUT
55VDC Max
700mA Max Output
36 Watts

Class 2 Power Supply

Black (L)
White (N)

Red (+)
Blue (-)
Violet (+)
Gray (-)

120-277V

120-277V
0-10V Dimming LED Driver
Min Start Temp -30°C
Inherent Thermal Protection
Protection Thermique Inhérente
Class 2
FCC Part 15 Non-Consumer and EN55015
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

SELV

CE

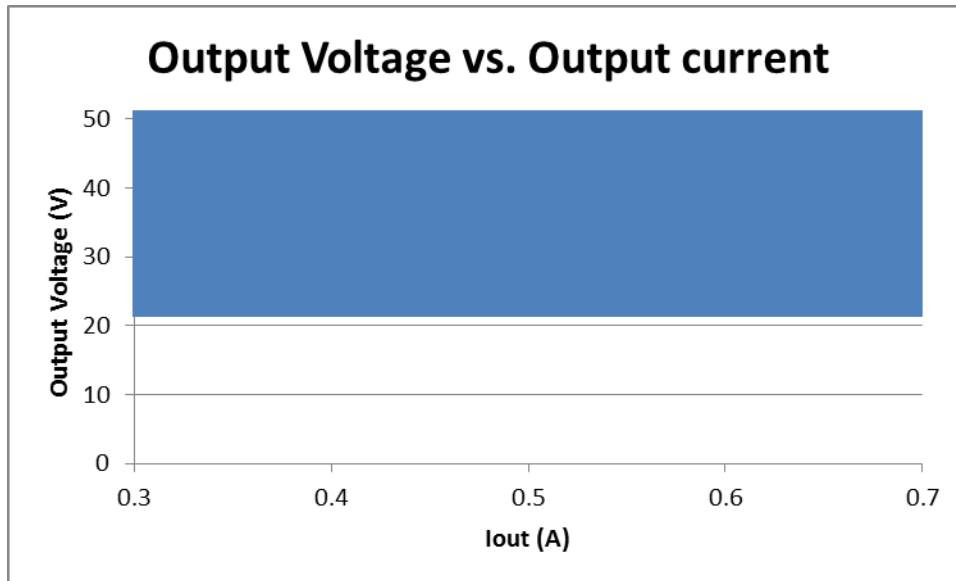
UL
E340135

**For assistance call:
1-888-MYGELED**

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.

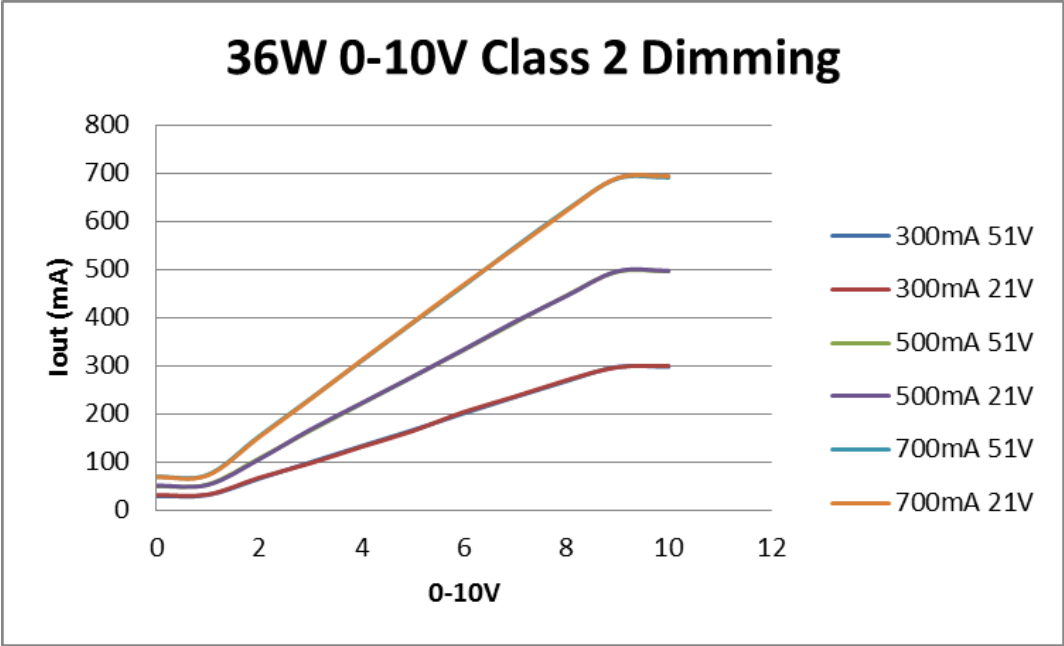
Technical Information

Output Voltage/Current Range (21V – 51V, 0.3A – 0.7A)



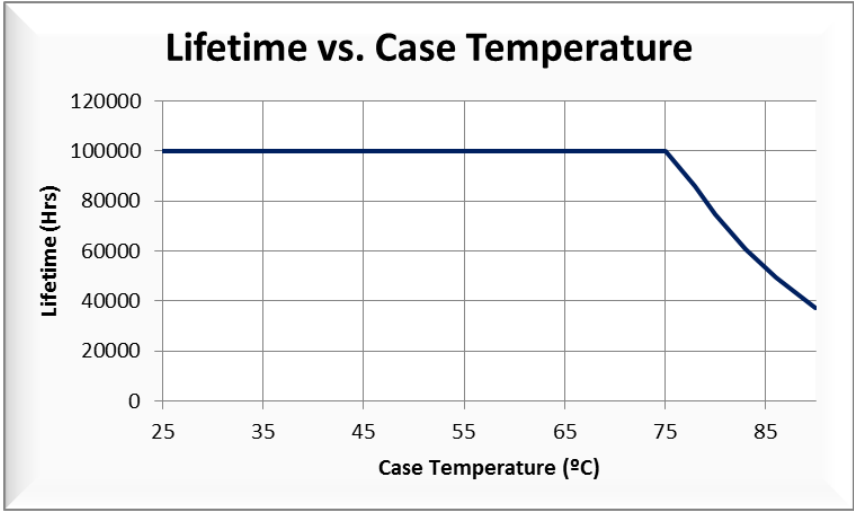
0-10V Dimming Curve

Driver sources 0.5mA dimming current. Dimming Level range is from 10% to 100%.

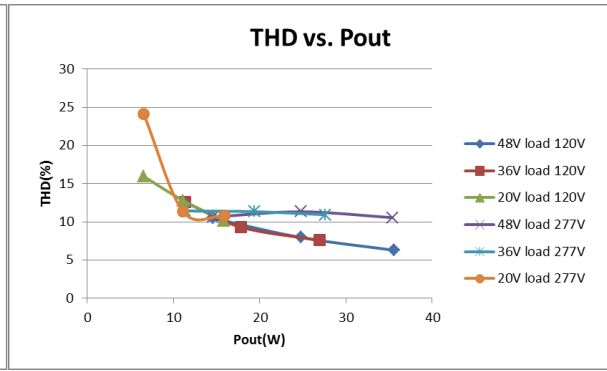
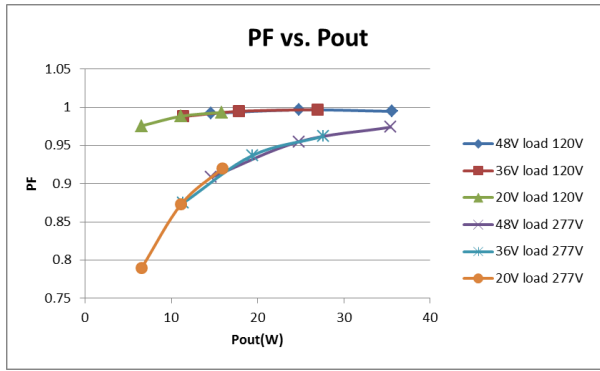


Technical Information

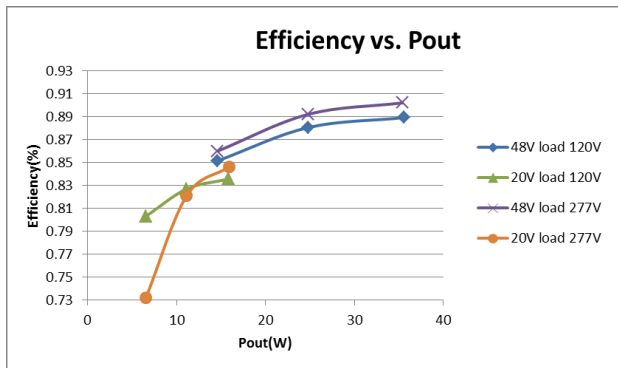
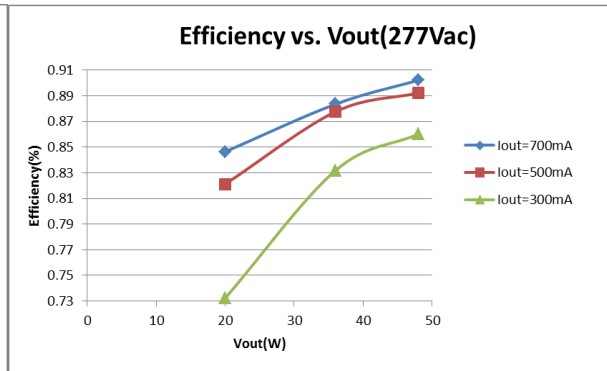
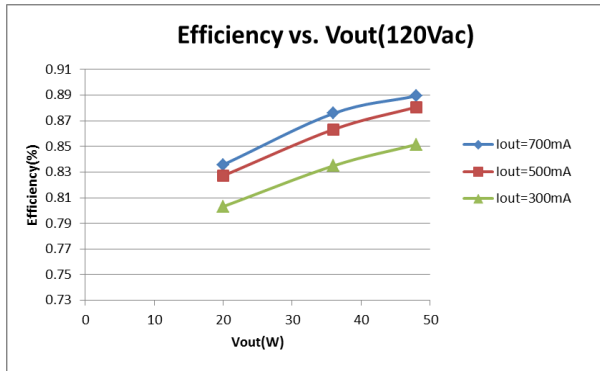
Lifetime Expectation



Power Factor & Total Harmonics Distortion



Power Efficiency



Technical Information

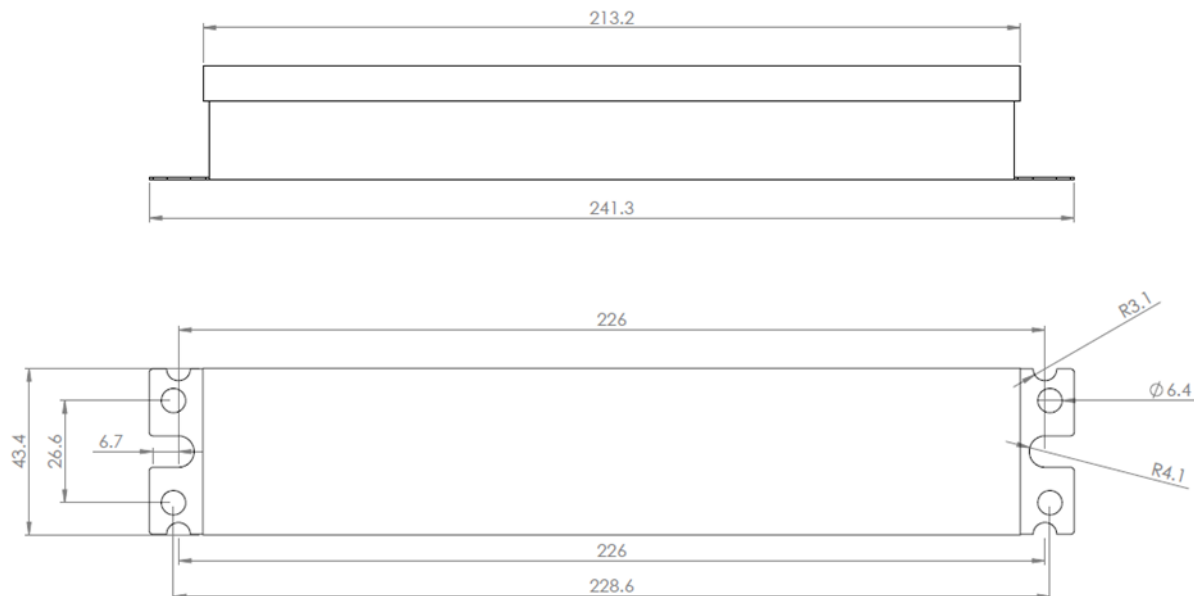
Input Inrush Current

Input Inrush Current		
Input Voltage [V _{rms}]	Peak Current Pulse [A _{pk}]	Pulse Duration (50% of Peak) [us]
120V	22	110
277V	50	135

Leakage Current

Input Ground Leakage Current		
Input Voltage [V _{rms}]	Leakage Current (mA)	
	S1 ON	S1 OFF
120V	0.100	0.100
240V	0.165	0.165
277V	0.245	0.245

Product Dimensions



Current Programming Interface

Firstly set the Max Current to 700mA and the Min Current to 300mA in the input box, then put the value to be programmed (between 300mA to 700mA) into the input box for Current to Program, finally click the Send button to complete the programming of driver.

