



## 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

**OUTPUT**  
55VDC Max  
700mA Max Output  
36 Watts

**Class 2 Power Supply**

Black (L)  
White (N)

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

**Tc=80°C On Side**

**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**

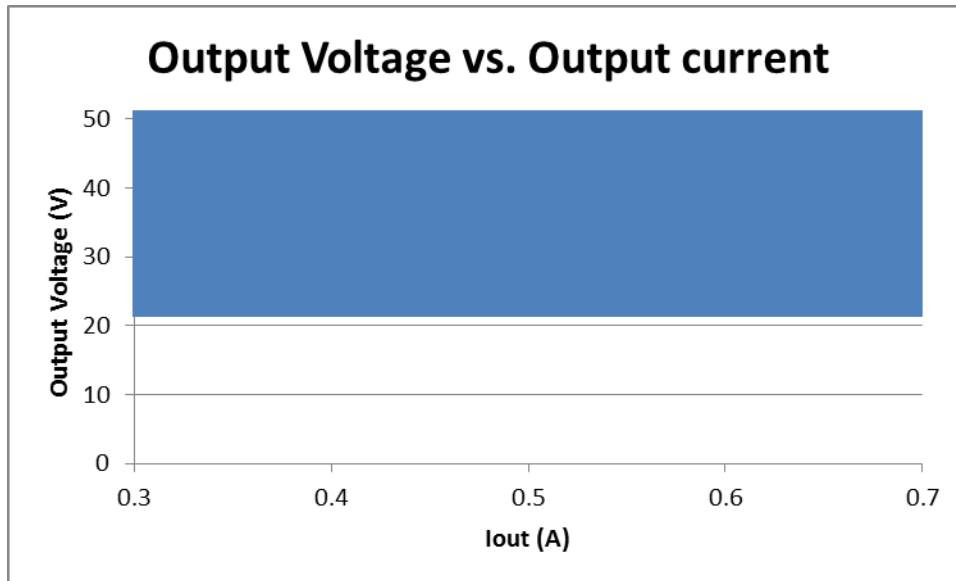
**UL**  
E340135

**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.

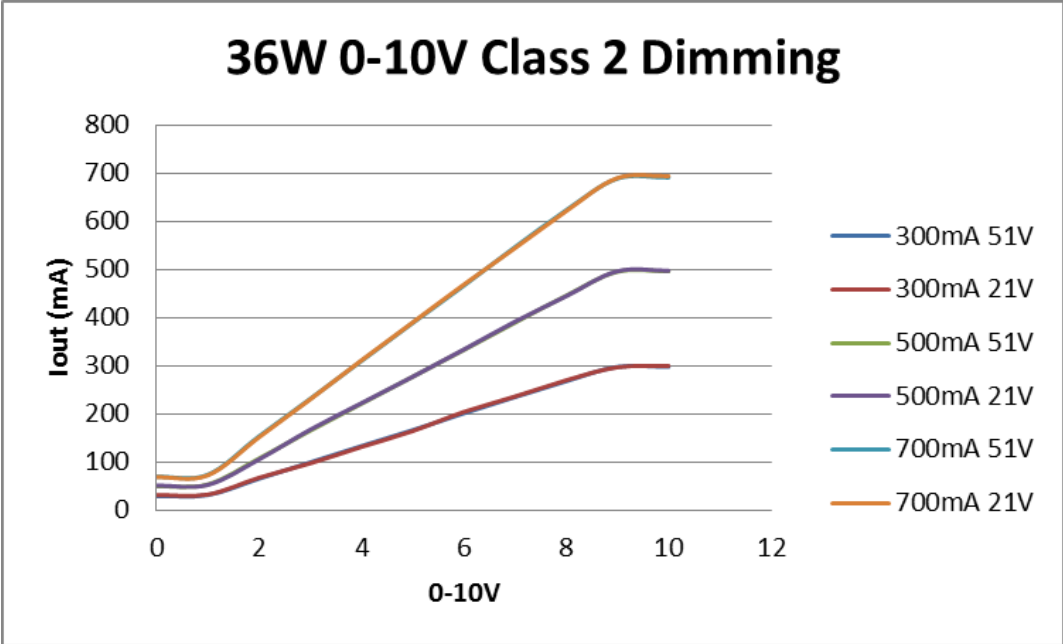
## Technical Information

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



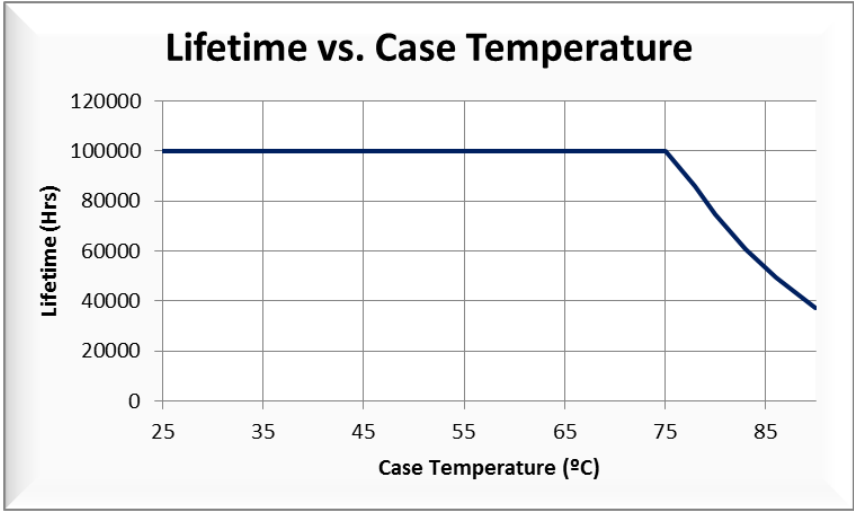
### 0-10V Dimming Curve

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

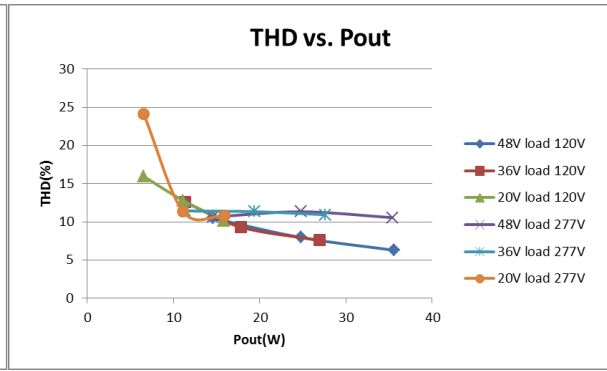
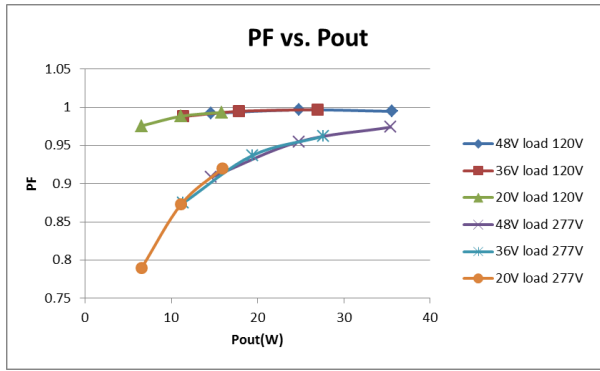


## Technical Information

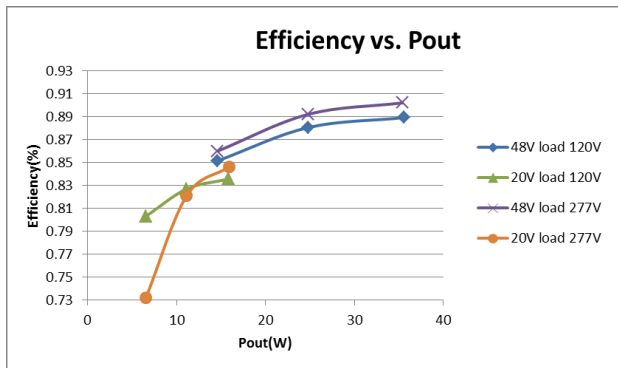
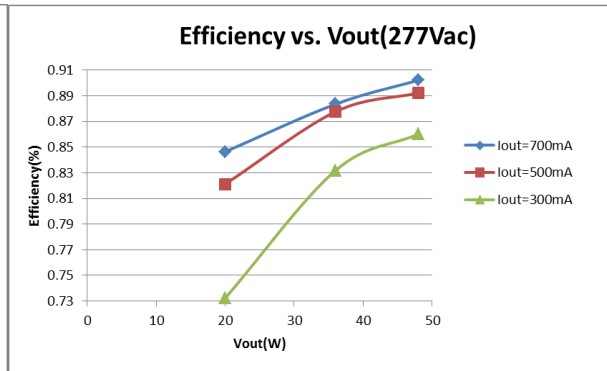
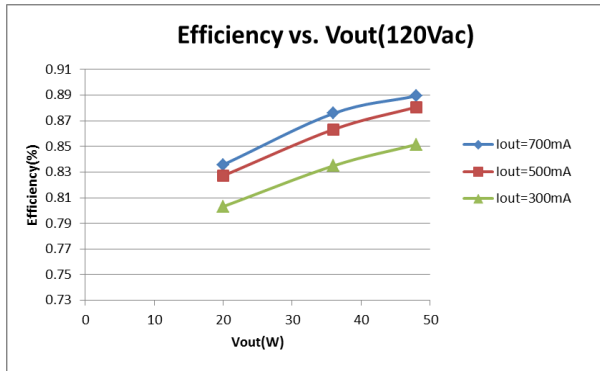
### Lifetime Expectation



### Power Factor & Total Harmonics Distortion



## Power Efficiency



## Technical Information

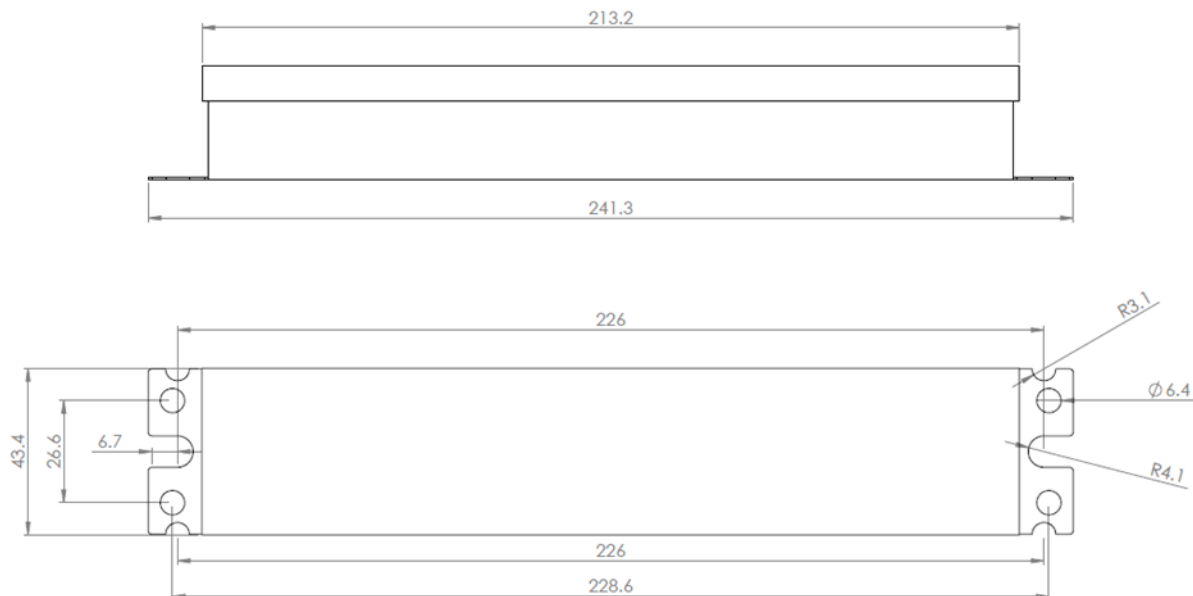
### Input Inrush Current

Input Inrush Current		
Input Voltage [V <sub>rms</sub> ]	Peak Current Pulse [A <sub>pk</sub> ]	Pulse Duration (50% of Peak) [us]
120V	22	110
277V	50	135

### Leakage Current

Input Ground Leakage Current		
Input Voltage [V <sub>rms</sub> ]	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