



PYCC-1M1UNV1500-75L

FC IP20



RoHS COMPLIANT

Constant Current LED Driver

- Input Voltage: 120V - 277V, 50/60Hz
- Input Current: 0.78A Max
- Output Voltage Range of 35-48V $\overline{=}$
- Output Power: 72W
- 0-10V Dimmable: 100%-5%, 0%
- Isolated 0-10V Dimming
- Suitable for Dry and Damp location
- Class 2 LED Driver
- Class P

General Specifications

Input Voltage / Frequency	120V - 277VAC 50/60Hz
Input Current	0.78A Max
Input Power	82W Max.
Input Power Factor	>0.90 @120-277Vac 80%full load
THD	<20%@120-277Vac 70%full load
Driver Type	Constant Current
Output Voltage Range	35V - 48V $\overline{=}$
Output Current	1500mA
Output Power	72W
Efficiency	88% Typ. @230Vac, @277Vac @Full Load Output
Output Type	Constant Current
Inrush Current	65A 100% Load @277Vac input cold start
Max. Leakage Current	0.75mA
Total Over All Ripple	5% - 10%
Flicker Percentage	5%
Dimming Type	0-10V
Dimming Range	100% - 5%, 0%
Dimming isolation	Yes
Operating Ambient Temperature Range	-40°F - 122°F (-40°C - 50°C)
Max. Driver Case Temperature	194°F(90°C)
Start Up Time	0.75s
Number of Output Channels	1
Overall Size	11.02"x 1.3"x 1.1" (280mmx33mmx28mm)
Weight	1.06lbs (480g)
Wire Type / Length	Input: 18AWG / 13.78" Output : 18AWG / 9.84" , Dimming: 22AWG/ 9.84"
Safety / Compliance	UL 8750 FCC Part 15 Class B
IP Rating	IP20
Operating Humidity	10-90% RH Non-condensing
Input Surge Protection	Line-Neutral 4kV, Line & Neutral-Ground 4kV, RingWave 2.5kV
Protections	Over-Voltage Protection Short-Circuit Protection Over-Temperature Protection
Sound Rating	A
Service Life	50,000Hrs @Max Load, 75°C Tc
Warranty	5 years @ Tc 75°C from the date of manufacture



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Typical Characteristics Graphs: Input

Figure 1

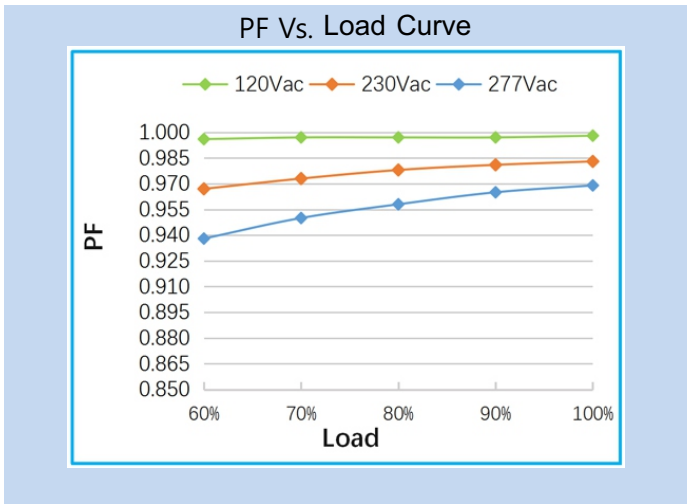


Figure 2

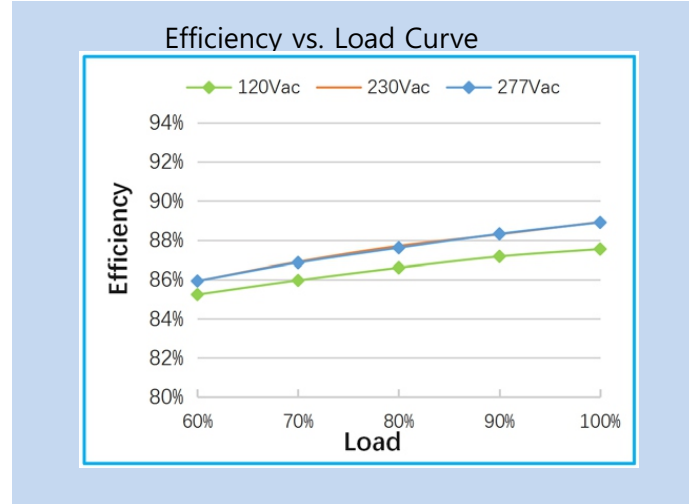


Figure 3

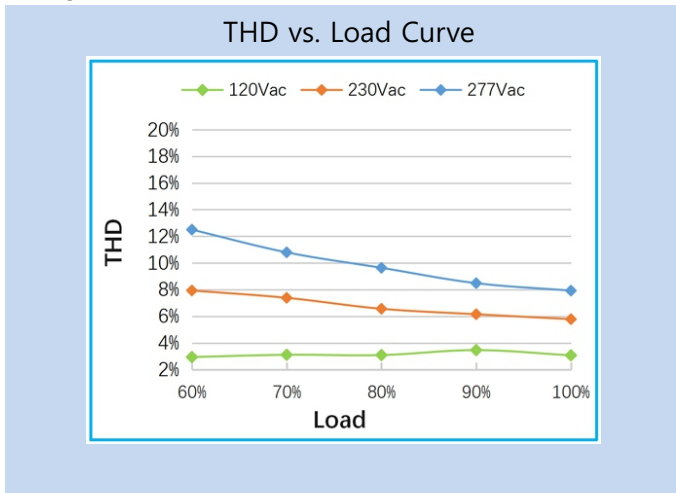


Figure 4

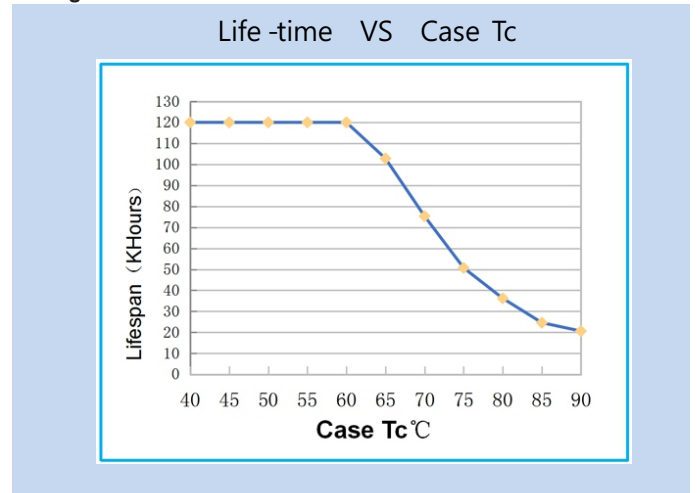


Figure 5

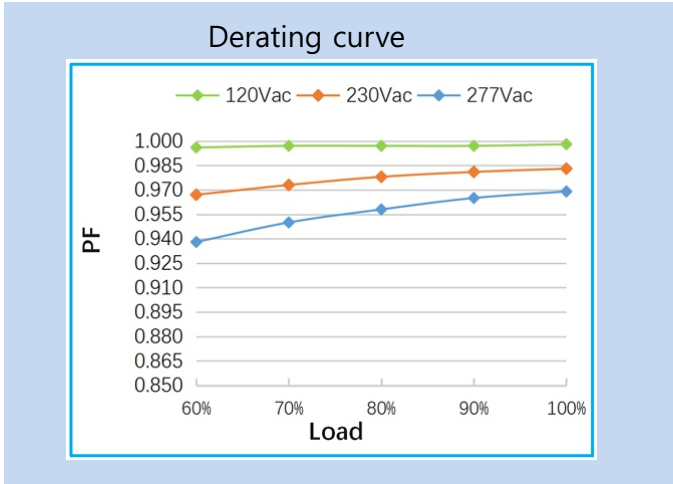
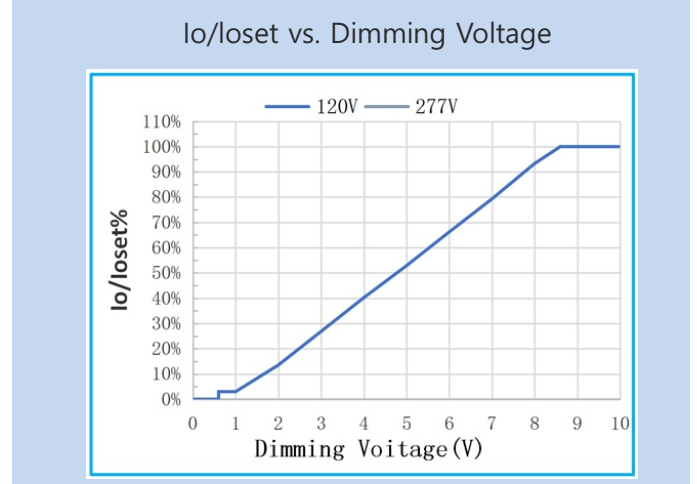


Figure 6





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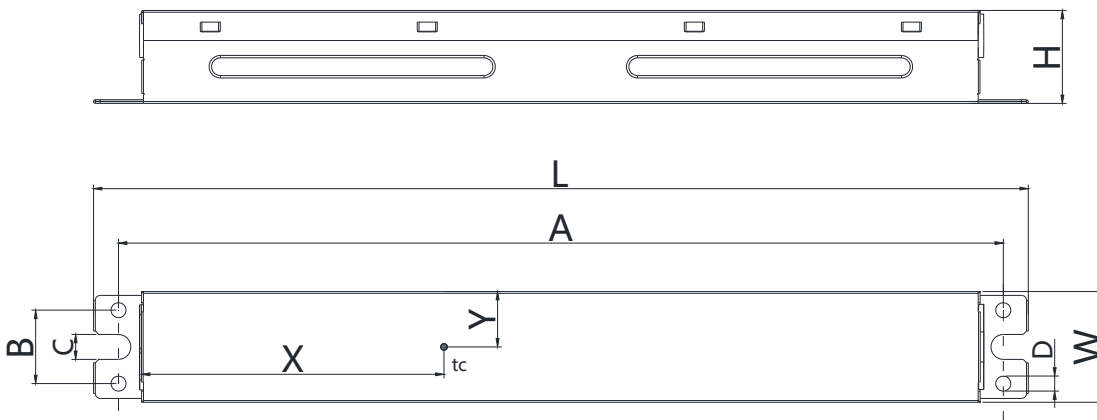
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Mechanical Data

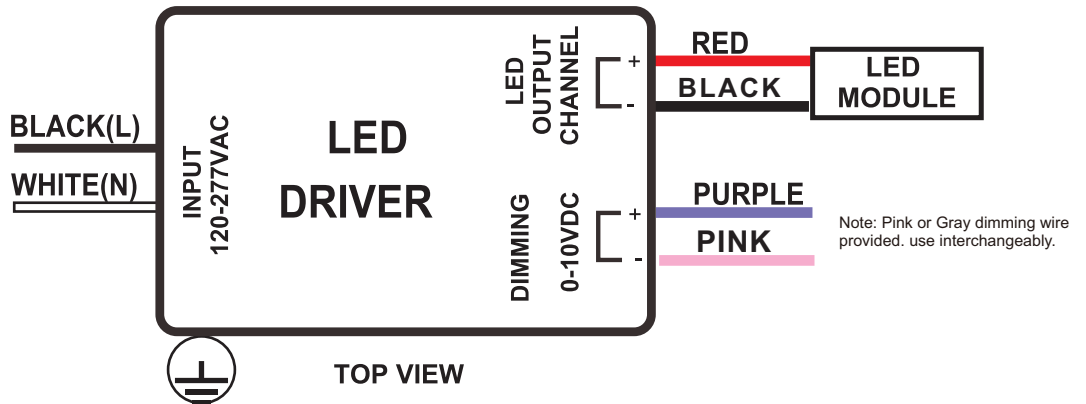
Overall Dimensions	
Length	11.02" [280mm]
Width	1.3" [33mm]
Height	1.12" [28mm]
Wire Length	
AC Input (White/Black)	13.78" [350mm]
LED Output Red Black	9.84" [250mm]
Dimming Pink Purple	9.84" [250mm]



Case Tolerance=±0.02"

Note: Pink or Gray dimming wire provided. use interchangeably.

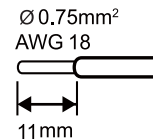
Wiring Diagram



Note: Pink or Gray dimming wire provided. use interchangeably.

INPUT SIDE	LENGTH
BLACK	13.78"[350mm]
WHITE	13.78"[350mm]

OUTPUT SIDE	LENGTH
RED	9.84"[250mm]
BLACK	9.84"[250mm]
PURPLE	9.84"[250mm]
PINK	9.84"[250mm]



NOTE:

- 1)This Driver Must Be Installed By A Licensed Electrician
- 2)This Driver Must Be Grounded



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Guidelines

Grounding

- Driver must be grounded by means of the Driver case.

LED load

- The Fulham Pony LED drivers are designed to drive passive LEDs, -COB's and -LED assemblies. Proper function is not guaranteed when (LED) loads with active components are used.

Short-circuit protection

- In case of a short circuit the LED driver switches to protection mode. After the removal of the short-circuit the LED driver will recover automatically.

No-load Operation

- In no-load operation the output voltage will not exceed the specified open circuit output voltage.

Hot Swapping

- This driver does not support hot swapping of the LEDs.

Remote Mounting

- Up to 26ft with 18AWG. Contact Fulham for higher remote distance.

Service life/Lifetime

- Failure Rate Info based upon MTBF modeling: 90% survivals at end of life @ 75°C<=Tc lifetime rating.

Warranty

- Reference Fulham's limited Warranty: <https://cdn.fulham.com/PDFs/Limited-Warranty.pdf>

Note: The polarity of the dimming wires must not be reversed. Dimming wires should only be connected to the dimmer and must not come into contact with other live conductors, such as input/output wires, while energized. If the dimming wires are not in use, they must be insulated with insulating material.



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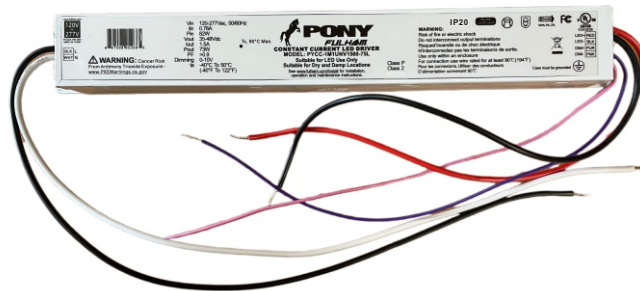
Part Number Matrix

P Y C C 1 M 1 U N V 1 5 0 0 7 5 L

LED Driver	Constant Current	# of Control Channels	Control Type	# of Output Channels	Input Voltage	Output current	Max Output Power	Case Type
PY=Pony LED	CC = Constant Current	1 = 1 Channel	M = 0-10V dimming	1 = 1 Channel	UNV=120-277V	150=1500mA	75=75W	L = Linear

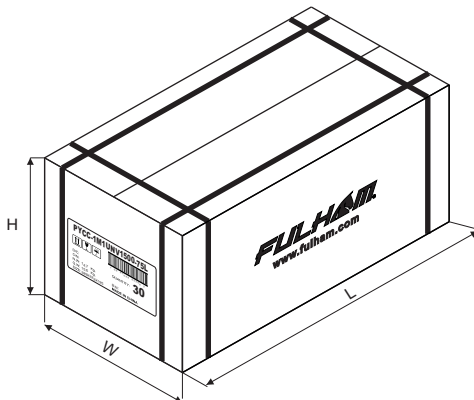
Product Image: LED Driver

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Packaging

Master Carton



OUTER DIMENSION		
L	W	H
15.31"(389mm)	12.68"(322mm)	7.68"(195mm)
Net Weight	Gross Weight	QUANTITY
32.41 lbs. (14.7 kg)	34.39 lbs. (15.6 kg)	30pcs.