

PYCC-1M1UNV040S-20D



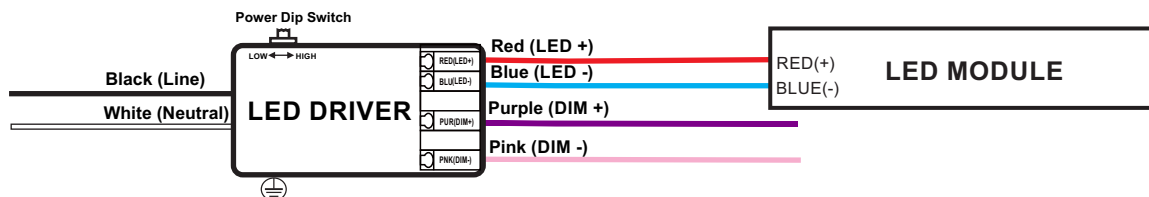
Selectable Constant Current LED Driver

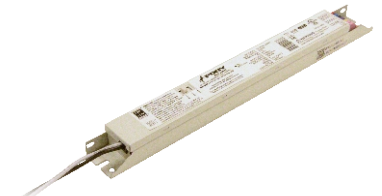
- Input Voltage: 120V - 277V, 50/60Hz
- Selectable Output Current
- Class 2 LED Driver
- Class P
- Isolated 0-10V Dimming
- Suitable for Dry and Damp location

General Specifications

| | |
|-------------------------------------|---|
| Input Voltage / Frequency | 120V - 277VAC 50/60Hz |
| Input Current | 0.24A Max. |
| Input Power | 30W Max. |
| Input Power Factor | >0.90 |
| THD | <20% |
| Driver Type | Constant Current |
| Output Voltage Range | 30V - 42V $\overline{=}$ |
| Selectable Output Current | 300mA, 350mA, 400mA ($\pm 7\%$) |
| Output Power | 16.8W Max. |
| Efficiency | 86% Typ. |
| Output Type | Constant Current |
| Inrush Current | 45A @277VAC |
| Max. Leakage Current | 0.75mA |
| Total Over All Ripple | <30% |
| Flicker Percentage | 30% |
| Dimming Type | 0-10V |
| Dimming Range | 100% - 10% |
| Dimming isolation | Yes |
| Operating Ambient Temperature Range | -25°C - 50°C |
| Max. Driver Case Temperature | 90°C |
| Start Up Time | 0.75s |
| Number of Output Channels | 1 |
| Overall Size | 11.043"x 1.2"x 0.846" |
| Weight | 0.46lbs (210g) |
| Wire Type / Length | Input: 18AWG / 12" Output & Dimming: Terminal block |
| Standards / Compliance | UL 8750, UL1310 CSA C22.2 No.250.13, FCC Part 15B |
| IP Rating | IP20 |
| Operating Humidity | 10-90% RH Non-condensing |
| Input Surge Protection | Line-Neutral 1kV, Line & Neutral-Ground 2kV, RingWave 2.5kV |
| Protections | Over-Voltage Protection Short-Circuit Protection |
| Sound Rating | A |
| Service Life | 50,000Hrs @Max Load, 90°C Tc |
| Warranty | 5 years @ Tc 90°C from the date of manufacture |

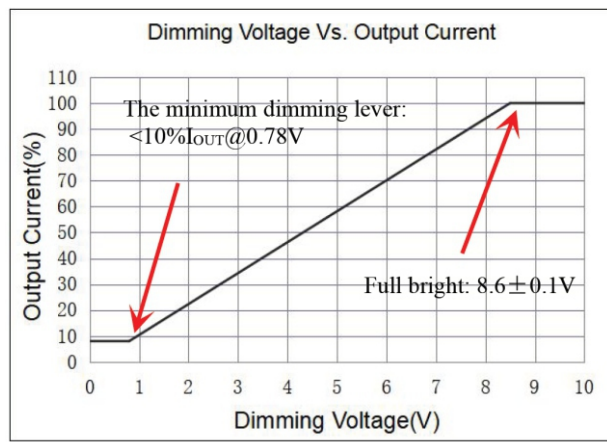
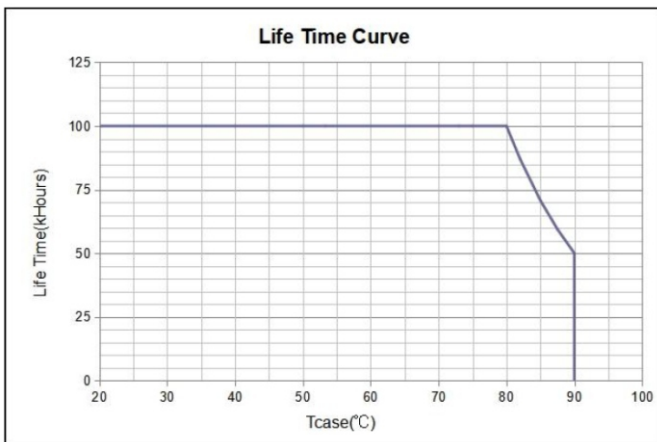
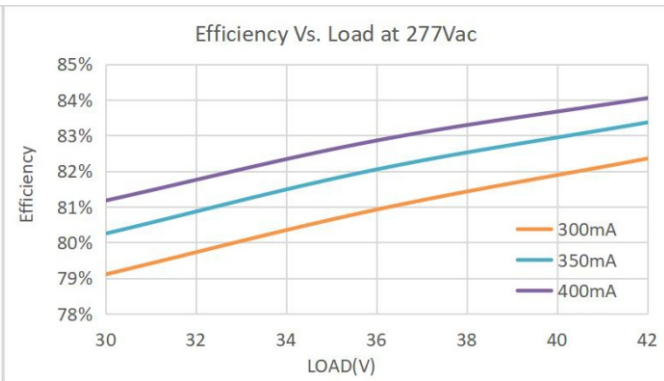
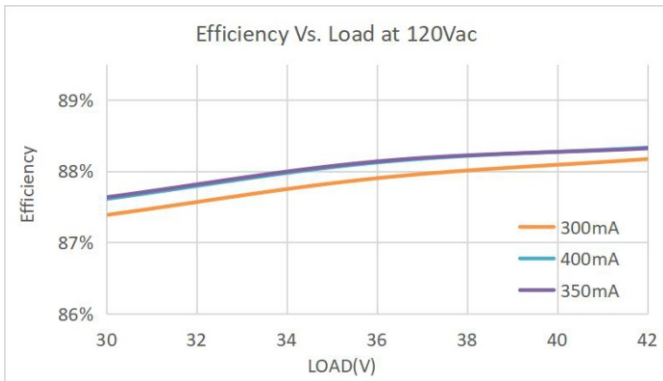
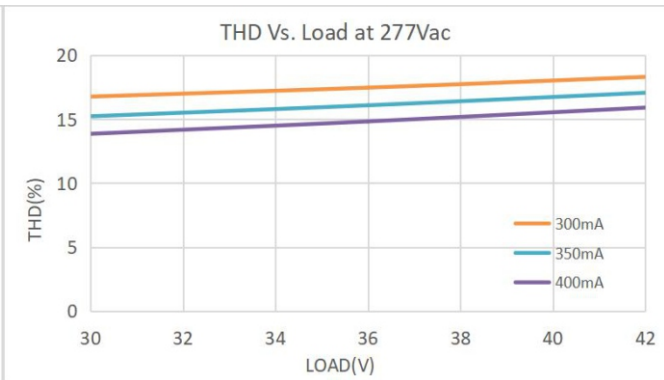
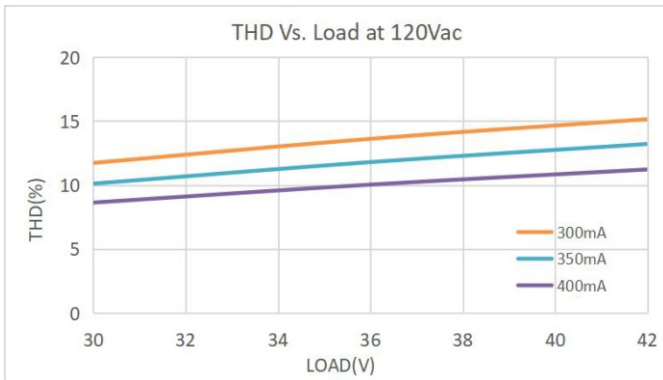
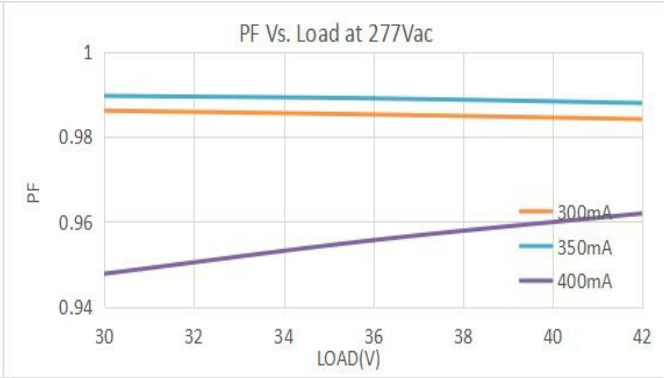
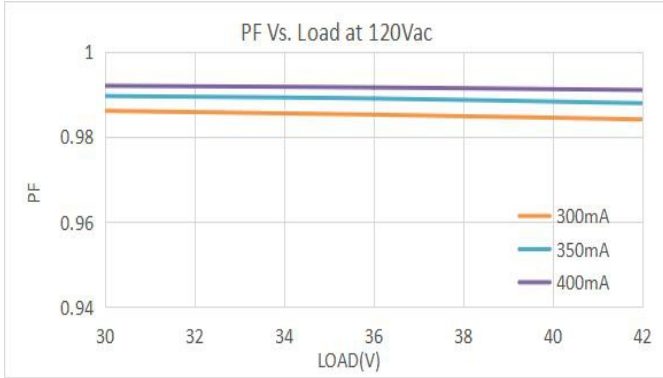
General Wiring Diagram

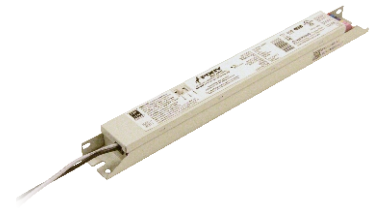




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Typical Characteristics Curve





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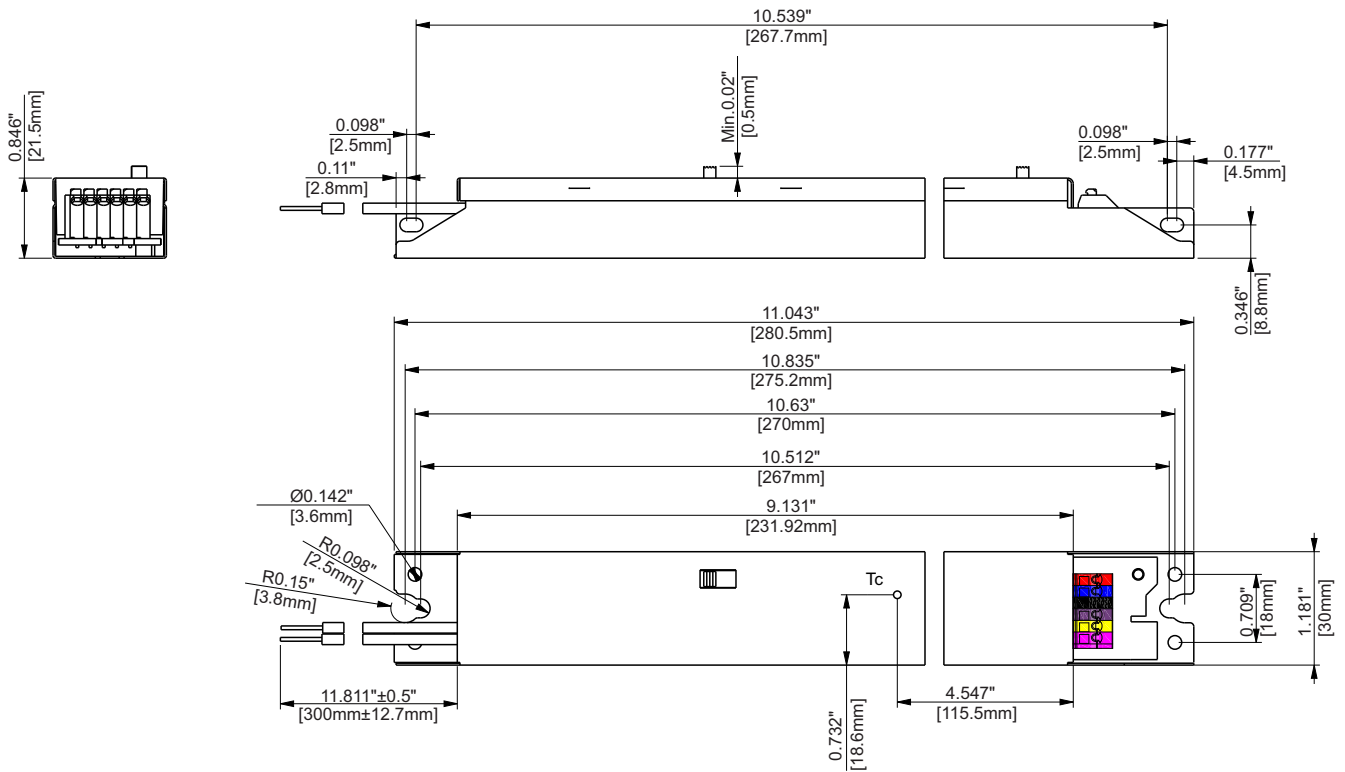


Part Number Matrix

P Y C C 1 M 1 U N V 0 4 0 S 2 0 D

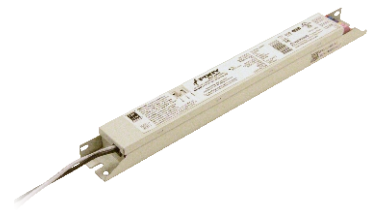
| LED Driver | Constant Current | # of Control Channels | Control Type | # of Output Channels | Input Voltage | Output current | Characteristic | Max. Output Power | Case/Output Type |
|-------------|-----------------------|-----------------------|-------------------|----------------------|---------------|----------------|----------------|-------------------|------------------------------------|
| PY=Pony LED | CC = Constant Current | 1 = 1 Channel | M = 0-10V dimming | 1 = 1 Channel | UNV=120-277V | 040=400mA | S = Selectable | 20=20W | D = Input Wires + Output Terminals |

Mechanical Drawings



| Overall Dimensions | |
|--------------------|------------------|
| Length | 11.043"(280.5mm) |
| Width | 1.18"(30mm) |
| Height | 0.846"(21.5mm) |

| Wire Length | |
|-------------|--------------|
| AC Input | 11.8"(300mm) |



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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 @ $\leq T_c$ lifetime rating.

Warranty

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



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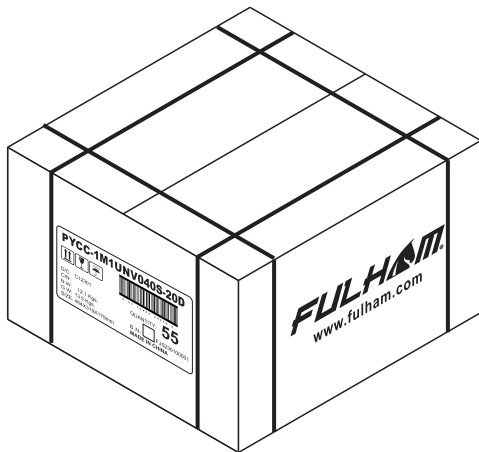
Product Image:

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Packaging

Master Carton



| OUTER DIMENSION | | |
|-----------------------|-----------------------|---------------|
| L | W | H |
| 18.26" (464mm) | 12.56"(319mm) | 7.05" (179mm) |
| Net Weight | Gross Weight | QUANTITY |
| 26.68bs. (12.1kg.) | 29.76lbs. (13.5kg) | 55pcs. |