



Driving Your Vision

A division of Endicott Research Group, Inc.

GEN50WUV350MA-4D

Constant Current, 50W, 350mA,
Dimmable

2601 Wayne Street, Endicott, NY 13760 • www.ERGLighting.com • 1-800-215-5866



Description

| | |
|--|---|
| Driver Type: Constant Current | Total Output Power: 50W |
| Input Voltage Range: 120~277Vac +/- 10% | Selectable Outputs: 4 |
| Dimming: 0 - 10V | Warranty: 5 years |
| Certifications: UL8750; IP20 dry/damp | Protections: voltage; current; short circuit |

Applications

LED Tubes • Troffers • Light Panels

Performance Specifications

| Model Number | Max Output Power | Output Current | Output Voltage | Efficiency | Remote Mounting Distance (#18AWG) | Class 2 | |
|------------------|------------------|----------------|----------------|------------|-----------------------------------|---------|--------|
| | | | | | | US | Canada |
| GEN50WUV350MA-4D | 12.5W x 4 | 350mA | 18 - 36V | 82% | 109 ft. | ✓ | ✓ |

| ELECTRICAL SPECIFICATIONS: | | ENVIRONMENTAL SPECIFICATIONS/ SAFETY AND EMC COMPLIANCE: | |
|-----------------------------|---|---|---|
| Input Voltage Range: | 120~277Vac ± 10% | Operating Temperature: | -30 to 60°C |
| Frequency: | 50/60Hz | Storage Temperature: | -40 to 85°C |
| Power Factor: | >0.9 @full load | Humidity: | 5% to 95% |
| Inrush Current: | 20A @230V | MTBF: | 269,000 hours at 40°C ambient (~70°C Case temp) |
| Max Input Current: | 0.56A @120V | Maximum Case Temperature: | 90°C |
| THD: | <20% | UL/cUL | UL 8750 |
| Protection: | Over Voltage, Over Current, and Short Circuit | FCC, 47CFR Part 15 | Class A Consumer Limit |
| Withstand Voltage: | I/P – O/P 2k Vac | EN61000-3-2 | |

| PHYSICAL DIMENSIONS: | |
|----------------------|--|
| Length (L): | 9.50" |
| Width (W): | 1.70" |
| Height (H): | 1.15" |
| Mounting (M): | 8.90" |
| Weight: | 0.50 kg |
| WIRE SPECIFICATIONS: | |
| Input: | 12", UL 1316 #18AWG (Black and White) |
| Output: | 12", UL 1316 /1430 #22AWG (Red and Blue) |
| Dimming: | 12"UL 1316/1430 #22AWG (Purple and Grey) |

| WIRING DIAGRAM | | LIFETIME vs CASE TEMPERATURE: | |
|---|--------------------------|-------------------------------|-----------------------------|
| <p>LINE Input</p> <p>Black</p> <p>White</p> | <p>LED Driver</p> | Purple (+) | <p>Dimmer (Optional)</p> |
| | | Grey (+) | |
| | | Red (+) | <p>DC Output</p> <p>LED</p> |
| | | Blue (-) | |
| | | Red (+) | <p>DC Output</p> <p>LED</p> |
| | | Blue (-) | |
| | | Red (+) | <p>DC Output</p> <p>LED</p> |
| | | Blue (-) | |