

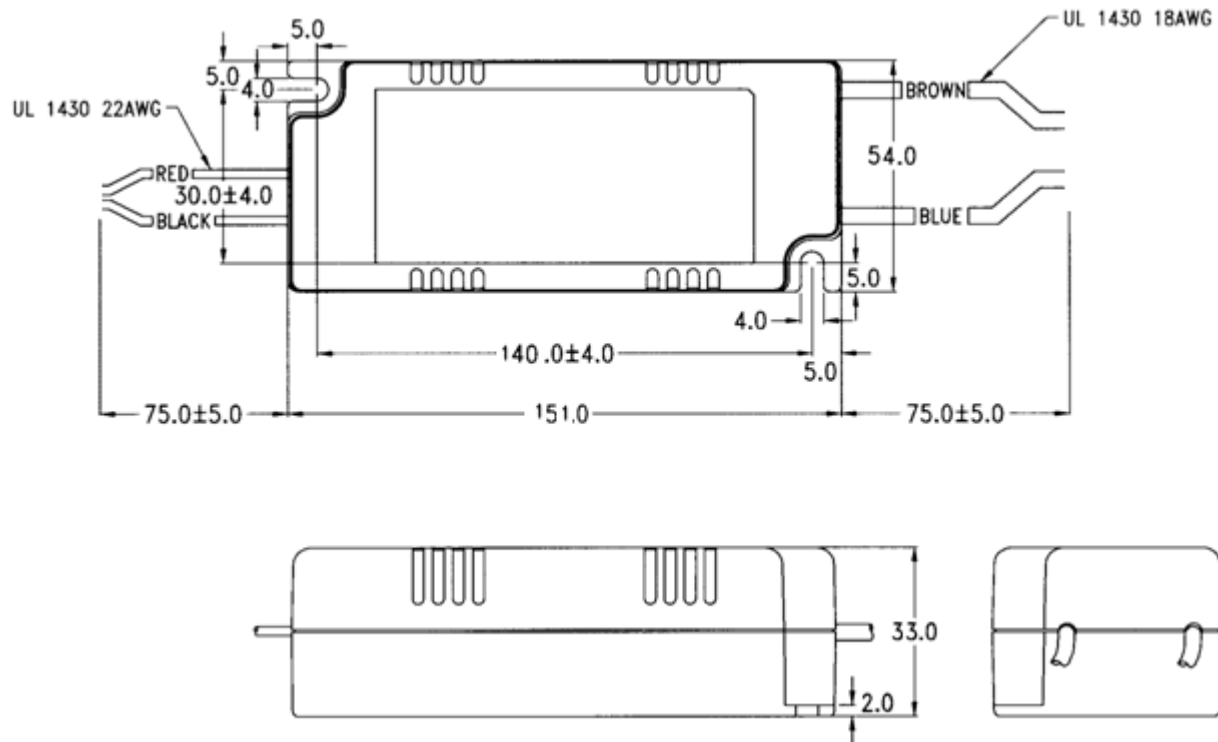


American Opto Plus LED Corp.

AOP-PD105-50

151mm x 54mm x 33mm 50W LED DRIVER

PACKAGE OUTLINES



Notes:

1. Dimension: mm
2. Tolerance: ± 0.8mm



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SPECIFICATION AND PERFORMANCE

- **Introduction**

is a LED driver with 90~264VAC wide range input and 1.05 A constant current outputs. The total rated output power is around 50W.

- **Electrical Specification**

1. Input Voltage: 90VAC~264VAC, nominal line is 100/120/200/240VAC.
2. Input Frequency: Range of input frequency is 47~63Hz.
3. Input Current: 0.7A max
4. Power Factor: >0.95 (at 100Vac input)/ >0.85 (at 240Vac input)
5. Output Current: 1.05A constant current
6. Output Power: 50W max/11~15 pcs LED in series.
7. Open Circuit: Output will ramp-up to 55~65V and recover.
8. Efficiency: 91% typ. (at output wattage 50W and nominal line).
9. Protection: Short & over load protection with auto-recovery.
10. The output current will be set to within 1.05A±50mA at LED loading.

- **Environment Specification**

1. Operating Temperature: -18 °C~50 °C
2. Operating Humidity: 10%~90% non-condensing
3. Storage Temperature: -20 °C~80 °C

- **International Standard**

Safety Standards: UL: UL8750+UL60950-1 & EN 61347-1/EN61347-2-13

EMI Standards: FCC47 Part 15, EN55015 & EN61000-3-2 Class C

EMS Standards:

- EN61000-4-2 6KV/ contact discharge, 8KV/air discharge - Criteria B
- EN61000-4-3 3V/M with 1KHZ, 80% AM, sine wave – Criteria A
- EN61000-4-4 ±1KV, 5/50ns, 5KHZ – Criteria A
- EN61000-4-5 ±2KV, Line-line – Criteria B
- EN61000-4-6 3V/M with 1KHZ, 80% AM, sine wave – Criteria A
- EN61000-4-8 3A/M – Criteria A
- EN61000-4-11 30% dips 200ms – Criteria C / 100% dips 10ms – Criteria B