

Small LED Driver with Round Format Case for Residential and Commercial Applications

Features & Benefits

- Constant current driver in compact round format shape black plastic case
- Dimming < 5% on 120VAC with either triac/incandescent (forward phase) or ELV (reverse phase) dimmers
- Wide output range 25-42V, typically runs 9-13 LEDs in series
- Driver has world class efficiency for this power range
- Over-current, over-voltage and short circuit protection
- Thermal fold back for overheating protection
- Includes mounting holes for mechanical attachment and pre-wired leads



Compatible LED Drivers or Modules

Nominal DC Output to Module See Table 1

Ratings and Performance Specifications

Nominal Power Consumption @ 120VAC See Table 1
 Nominal Input Voltage See Table 1
 Maximum Driver Case Temperature @ designated Tmp +80°C
 Maximum Operating Range Ambient Temperature (Ta) -20 to +50°C
 Recommended Screw Installation Torque 75 inch ounces
 Nominal Power Factor > 0.9
 Nominal Weight 96 grams
 Safety/Compliance CSA 249468
 Complies with FCC CFR Title 47 Part 15 Class B conducted
 Designed to meet Class A sound rating and IEEE C.62.41-1991, Class A operation

Application Notes

1. The proper driver case temperature at designated (T_{mp}) is critical to ensure proper performance and long life. Careful design consideration required for factors such as ambient conditions (for example weather and surrounding atmosphere inside luminaire) and proximity to heat generating components.
2. Abnormal operating conditions such as elevated ambient temperatures can be expected to negatively impact output, product lifetime and/or product performance.
3. Dims with most triac and 3-wire ELV dimmers such as Lutron® Diva and Maestro. Complete list of compatible dimmers and application notes available.

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PS14-250C-DIM

Physical Dimensions

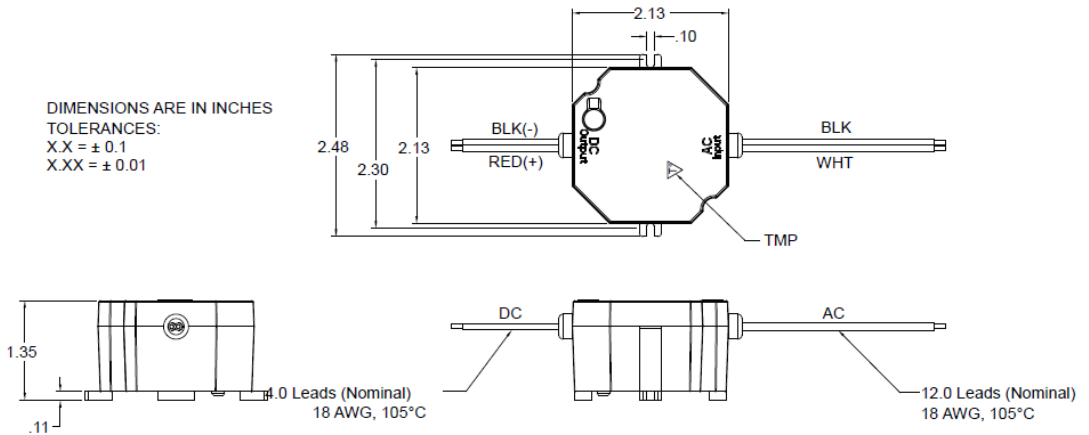


Table 1, Performance Characteristics at 25C

Part Number	Maximum Output Power (DCW)	Nominal Input Voltage (VAC)	Dimming with Triac & ELV Dimmers	Nominal Output Current (mADC)	Output Voltage Range (VDC)	Efficiency @ Max Load	Nominal Power Consumption @ Max Load (ACW)
PS14-250C-DIM	10.5	120	Yes	250	25-42	82%	13

Complete list of compatible dimmers and application notes contact Permlight Technologies

Packaging

Product is marked with SKU and lot information. Product is sold in groups of (1) unit(s).

Warranty

5-Year limited warranty in accordance with published warranty conditions. Product must be used with compatible components (modules, drivers, engines and/or accessories) and no maximum ratings (such as Ts) shall be exceeded during any expected operating conditions of the system. If product is used with other manufacturer's product, compatibility must be recognized in writing by Permlight Technologies.

Permlight Technologies owns the following United States patents of which one or more may be applicable to the design and/or manufacture of this product: 6712486, 6578986, 6846093, 7114831, 7306353, 7102172, 7108396, 7329024, 7387406, 7582911, 7649327, 8926145, 8729810. Additional granted patents, patents pending and other IP protection rights may apply.