

Small Round LED Driver for Compact Incandescent (TRIAC) 120VAC Dimming Applications

Features and Benefits

- Cost effective driver in low profile plastic white case fits in j-box and reduces shadows in luminaire
- Dims to 5% with 120VAC triac/incandescent (forward phase) and ELV (reverse phase) dimmers with LED loads > 30V
- High efficiency for this power range and small format
- Over-current, over-voltage and short circuit protection
- Ripple current < 30% meets CA T24 for non-visible flicker
- Available in three outputs: 150mA, 250mA and 350mA



Compatible LED 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 75 grams
 Safety/Compliance UL E256805
 Designed to meet FCC Part 15B and Class A sound rating < 24dBA
 Designed to comply with IEEE C.62.41-1991, Class A operation

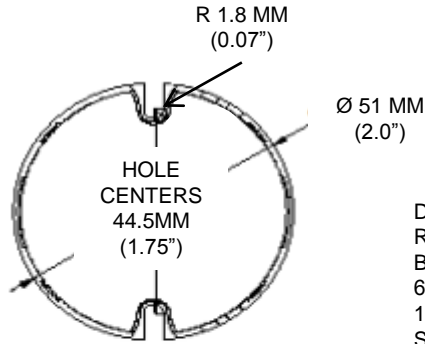
Application Notes

1. The proper driver case temperature at designated (Tmp) 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 negatively impact output, product lifetime and/or performance.
3. Dims only at 120VAC with incandescent dimmers (triac/forward phase) and 3-wire ELV dimmers (reverse phase) such as Lutron® Diva and Maestro. Complete list of compatible dimmers and application notes available.

Physical Dimensions

TOLERANCES:
 X.XX = ± 0.01
 X.XXX = ± 0.005

AC INPUT
 BLK – ACH
 WHT – ACN
 6" LEADS NOMINAL
 18 AWG SOLID



DC OUTPUT
 RED – (+)
 BLACK – (-)
 6" LEADS NOMINAL
 18-22 AWG SOLID OR
 STRANDED



Table 1, Performance Characteristics at 25°C

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)
PS12-350C-DIM-R	11.9	120	Yes	350	17-34	80%
PS9-250C-DIM-R	8.5	120	Yes	250	17-34	80%
PS5-150C-DIM-R	5.1	120	Yes	150	17-34	80%

Complete list of compatible dimmers and application notes contact Forzlux

Packaging

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

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 operating conditions of the system. If product is used with other manufacturer's product, compatibility must be recognized in writing by Forzlux.

Forzlux owns the following United States patents of which may be applicable to the design 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.