

## Small LED Driver with White Case For Residential and Commercial Applications

### Features & Benefits

- Family of high efficiency constant current drivers in compact plastic white case reduces shadows in luminaire
- PS12 < 5% dimming with 120VAC triac/incandescent (forward phase) and ELV (reverse phase) dimmers
- PS18 non-dim, UNV input 120-277VAC, wider output range and 10-15°C lower operating temperature than competition
- Drivers have world class efficiency for this power range
- Over-current, over-voltage and short circuit protection
- Includes mounting holes for mechanical attachment
- Industry leading 12" AC leads can exit the luminaire without internal wire nuts or safety complications



### Compatible LED Drivers or Modules

Nominal DC Output to Module ..... See Table 1

### Ratings and Performance Specifications

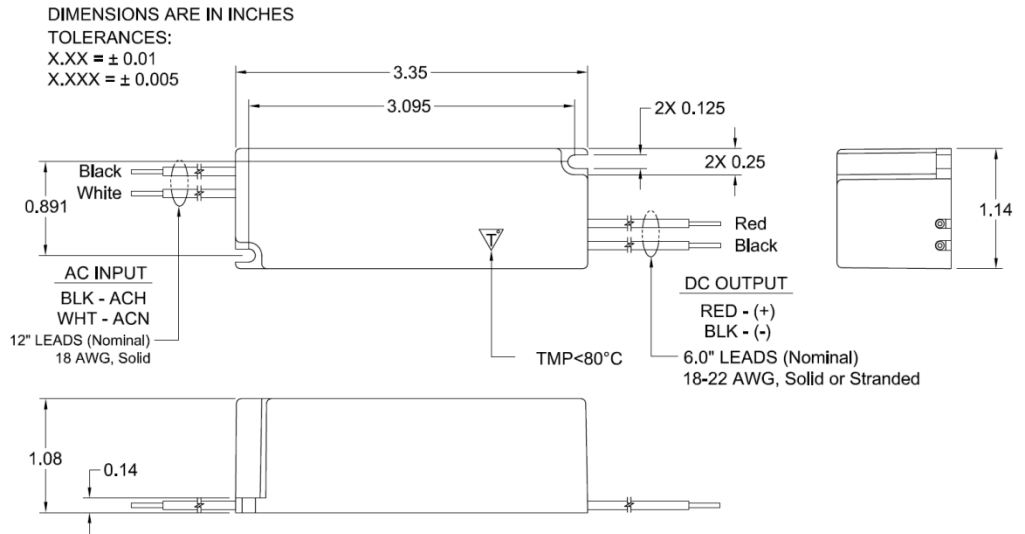
Nominal Power Consumption @ 120VAC ..... See Table 1  
 Nominal Input Voltage ..... See Table 1  
 Maximum Driver Case Temperature @ designated Tmp ..... +80°C  
 Maximum Operating Range Ambient Temperature (Ta) ..... -20 to +50°C  
 Recommended Screw Installation Torque ..... 75 inch ounces  
 Nominal Power Factor ..... > 0.9  
 Nominal Weight ..... 96 grams  
 Safety/Compliance ..... 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 (T<sub>mp</sub>) 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. PS12 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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## 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)
PS12-350C-DIM	12.6	120	Yes	350	17-35	82%	15
PS18-350C-UNV-H	18	120-277	No	350	16-50	87%	21

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.