



**Features & Benefits**

- Patent pending AC dimming works with 3-wire electronic dimmers
- Patented “sandwich” design uses heatsink and integral mechanical and electrical interfaces to eliminate wiring harness
- Designed exclusively for use with Brillia LED modules
- Easily configured into existing and new luminaires
- Can be used for requirements of CA Title 24, ENERGY STAR and other green initiatives

**Compatible Brillia LED Modules**

PX Series..... See Brillia LED module specifications

**Ratings and Specifications**

Power Consumption.....	4.5W nominal
Input Voltage .....	See Part Number Table
Operating Frequency.....	50/60Hz
Recommended Maximum Operating Ambient Temperature (Ta).....	+50 °C
Weight.....	55 grams
Screw Installation Torque.....	50 inch-ounces
System Certifications:	
UL Recognized File .....	E256806 (dry location)
RoHS Compliant.....	Yes

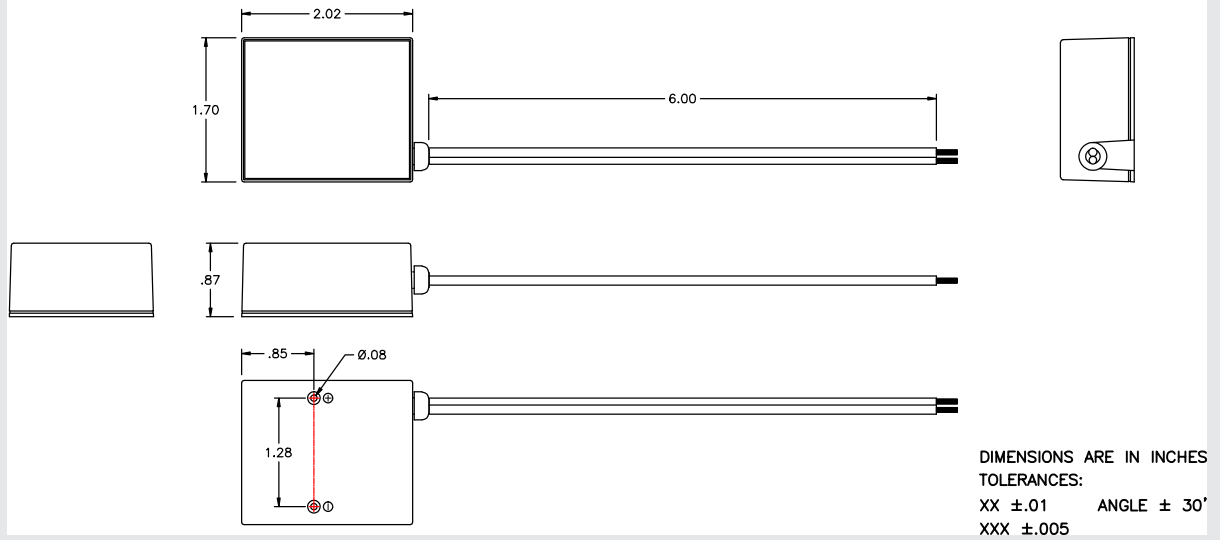
**Engineering Notes**

The AI1250 Series LED driver makes electrical and mechanical connection with Brillia LED drivers by 4-40 x 3/8” truss head screws and isolation bushings. The screw heads must be a minimum diameter of 0.250” in order to seat properly on the module and not damage the contacts. Brillia recommends the use of an aluminum or equivalent heatsink “sandwiched” between the LED module and driver with a nominal thickness of 0.080”. For thicker heatsinks, longer screws can be used, however caution must be used not to bottom-out and damage the internal PC board of the driver. The isolation bushings must be McMaster Carr 91145A129 or equivalent dimensions and material. Luminaires manufactured with this LED module series and compatible drivers have passed UL thermal testing. Please consult the factory for design recommendations.

\*The proper LED Junction Temperature (Tj) is critical to ensure long life, therefore careful design consideration is required for factors such as ambient condition (weather and surrounding atmosphere in fixture) and proximity to other heat sources such as LED modules and other LED drivers.



## Physical Dimensions



Part Number	Input Voltage (VAC)	Minimum Wire Length (Inches)	Sample Values Efficiency (% at Max Load)	Dimmable*
AI1250-90240	90-240	6	90	No
AI1250-DIM	120	6	85	Yes
AI1250-277	277	6	85	No

\* See [www.brillialed.com](http://www.brillialed.com) for compatible dimmer recommendations

### Options: [sales@brillialed.com](mailto:sales@brillialed.com)

Other Input Voltages, Configurations or Case Sizes .....please email [sales@brillialed.com](mailto:sales@brillialed.com)

### Warranty

3 Year Limited with Compatible Brillia LED Module ..... see [www.brillialed.com](http://www.brillialed.com) for conditions

### Additional Information