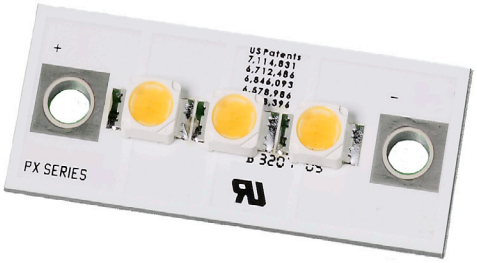

Features & Benefits

- Patented intelligent thermal design uses metal core board
- Patented “sandwich”design uses heatsink and integral mechanical and electrical interfaces to eliminate wiring harness
- Designed exclusively for use with Brillia LED drivers
- Available in different LED colors
- 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 Drivers

AI1250 Series, BL25 Series.....See Brillia LED driver specifications

Ratings and Specifications

Power Consumption.....See Brillia LED driver specifications
Estimated Life for White LED @ Tj ≤ +90°C.....40,000 hours, 70% lumen maintenance
Maximum Operating Ambient Temperature (Ta).....+50°C
*Recommended Maximum Operating Junction Temperature (Tj).....+90°C
Weight.....3 grams
Screw Installation Torque.....50 inch-ounces
UL File and Listing.....E213411, cURus, UL recognized component, wet location

Engineering Notes

The PX LED module (1 or 3 modules depending on driver series) 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 requred for factors such as ambient conditions (weather and surrounding atmosphere in fixture) and proximity to other heat sources such as LED drivers and other LED modules.

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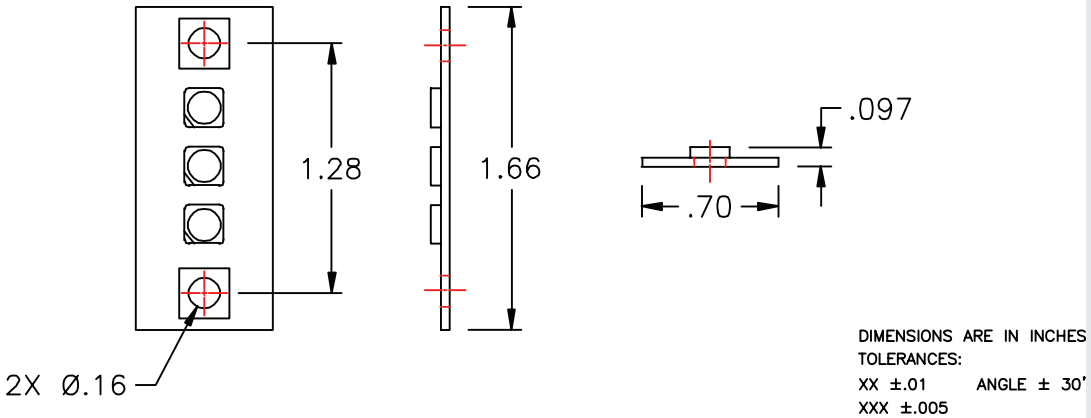
Phone: 714-508-0729
sales@brillialed.com

Physical Dimensions



Part Number	Nominal Values CCT Color Temp. (Kelvin)	Sample Values Light Output (Lumens)	Sample Values Efficacy (Lumens per Watt	Sample Values CRI*	Nominal Beam Angle (Degrees)
PX-WW-A	2850	166	37	68	120
PX-HW-A	3500	194**	43**	72**	120
PX-CW-A	5100	225	49	78	120

* Higher CRI available by special order

**Actual sample values of Light Engine tested to LM79 with AI1250 Series (120V) driver and sample heatsink

Options: sales@brillialed.com

Other LED colors, high CRI or LED manufacturers .....please email sales@brillialed.com

Warranty

3 Year Limited warranty from date of manufacture with compatible Brillia LED driver for a maximum operating Tj of the LED module at 90°C .....see www.brillialed.com for additional conditions

Additional Information

Phone: 714.508.0729 sales@brillialed.com