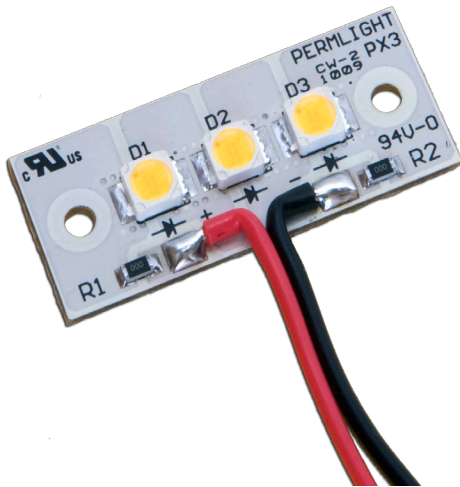


Features & Benefits

- Patented intelligent thermal design
- Constant voltage design
- Includes thermal conductive pad
- Includes mounting holes for mechanical attachment
- Pre-wired leads
- 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

60-12D.....See Brillia LED driver specifications

Ratings and Specifications

Input Requirements	350mA max.
DC Power Consumption.....	3.6W max.
Estimated Life for White LED @ Tj ≤ +90 °C.....	40,000 hours, 70% lumen maintenance
Maximum Operating Ambient Temperature (Ta)	+60 °C
*Recommended Maximum Operating Junction Temperature (Tj)	+90 °C
Weight.....	2 grams
Wire Specifications.....	12" of 20AWG wire, 105C rating
Max. screw installation torque	50 inch-ounces
Listings/recognitions	UL Recognition of this component is in process, consult factory for status

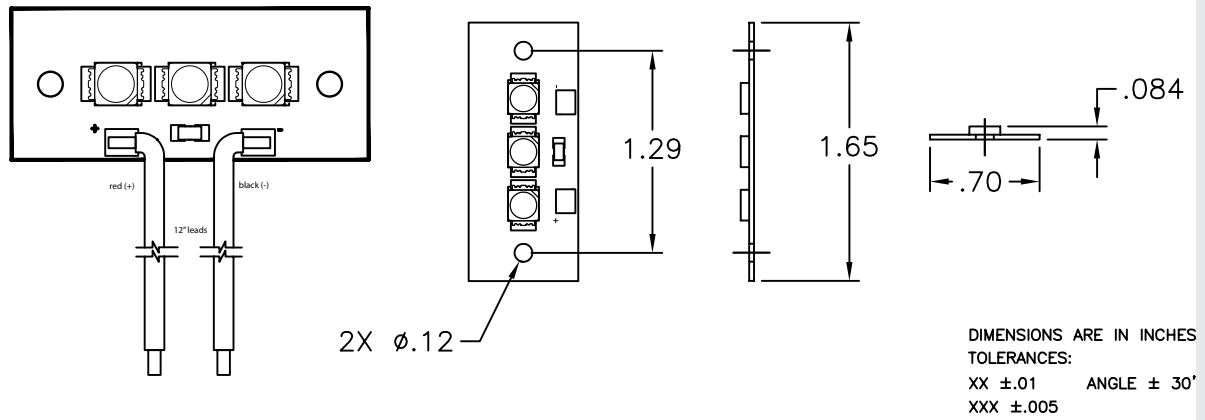
Engineering Notes

The BB03 AJ series LED modules are designed for use with the Brillia LED drivers shown above. This design utilizes a FR4 printed circuit board and features a UL-recognized LED module design with pre-soldered leads for electrical connection and attachment to a remote Brillia LED driver. Two 0.125" dia. holes are included for mechanical attachment. Maximum recommended screw head diameter is 0.125". Included with each LED module is a high-performance thermal conductive pad that is designed to be positioned between the module and the fixture housing.

*The proper LED Junction Temperature (Tj) is critical to ensure long life. Therefore, careful design consideration is required 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.



Physical Dimensions



Part Number	LED Package Series	Nominal Values CCT Color Temp. (Kelvin)	Sample Values Light Output (Lumens)	Sample Values Efficacy (Lumens per Watt)	Sample Values CRI*	Nominal Beam Angle (Degrees)
BB03AJ-20201-120020-01	Nichia 083B (SW27)	2725	191	53	70	120
BB03AJ-21201-120020-01	Nichia 083B (SW35)	3500	225**	62.5**	70**	120
BB03AJ-09201-120020-01	Nichia 083B (Cbins)	5100	270	75	68	120

* Higher CRI available by special order

**Actual sample values of Light Engine tested to LM79 with 60-12D Series (120V) driver and sample heatsink

Options: sales@brillialed.com

Other LED colors, high CRI or LED manufacturersplease 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 °Csee www.brillialed.com for additional conditions

Additional Information