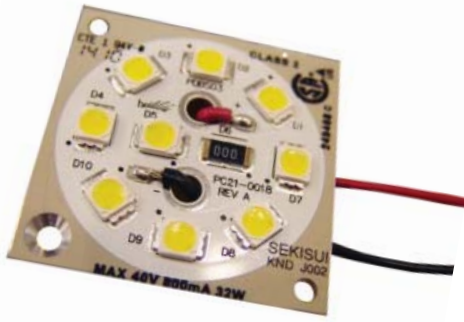


Features & Benefits

- Constant current design
- Patented intelligent thermal design uses metal core board (MCPCB)
- Includes mounting holes for mechanical attachment and pre-wired leads
- Easily configured into existing and new luminaires
- Available in a variety of color temperatures
- Can be used to meet the requirements of CA Title 24, ENERGY STAR® and other green initiatives



Required Brillia LED Drivers

BL26 Series..... See Brillia LED driver specifications

Ratings and Performance Specifications

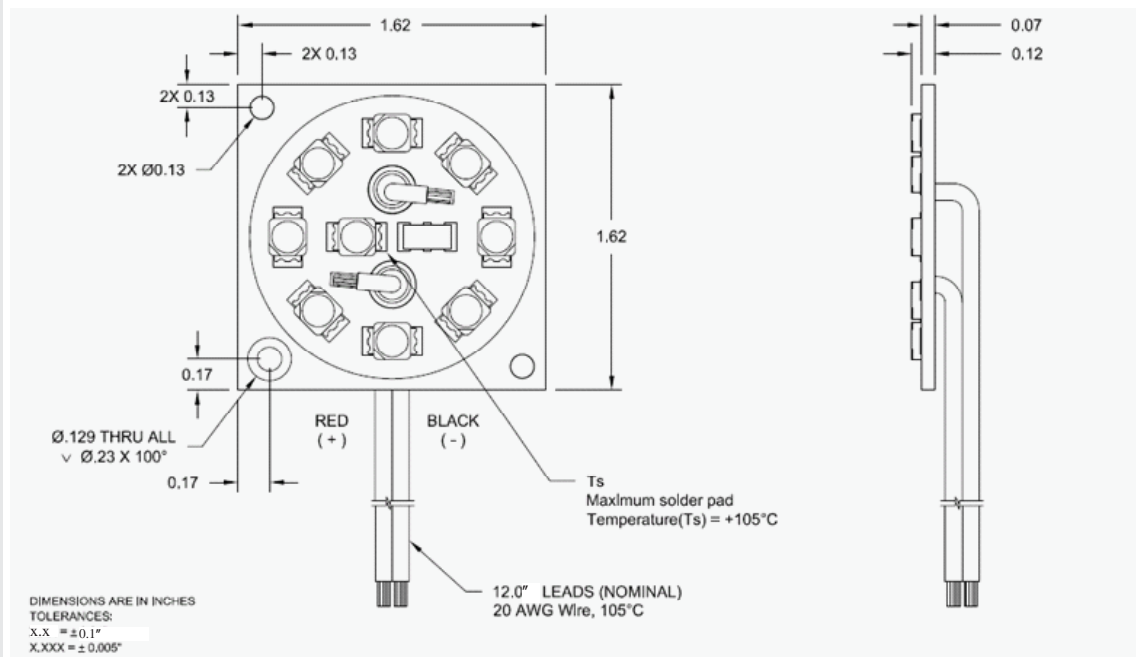
Nominal DC Power Consumption @ 350mA DC.....	10W
Maximum Input Requirements.....	350mA DC
Maximum Operating Range Ambient Temperature (Ta)	-40 to +50° C
Maximum Solder Pad Temperature (Ts)	+105° C
Maximum Screw Installation Torque.....	50 inch-ounces
Estimated Lumen Depreciation (LM80 standard)	70% of initial lumens (L ₇₀) at 40,000 hours
Maximum Weight	15 grams
Safety/Compliance	
CSA Recognized Component 249468	
RoHs compliant	

Application Notes

1. The use of any washer (lock, flat, etc.) with the specified flat head screw will void the warranty due to possible damage and/or shorting to the circuit board.
2. The proper LED Solder Pad Temperature (Ts) is critical to ensure long life. Careful design consideration required for factors such as ambient conditions (for example weather and surrounding atmosphere inside exterior luminaires) and proximity to other heat sources such as other LED modules and heat generating LED drivers.
3. Abnormal operating conditions such as high humidity or elevated operating temperatures can be expected to negatively impact lumen output, product lifetime, or product performance.



Physical Dimensions



Part Number	Nichia NS3x183 LED Package Bin	Nominal Values CCT Color Temp. (Kelvin)	Sample Values Light Output ^[2] (Lumens)	Sample Values Efficacy ^[2] (LPW)	Sample Values CRI ^[1]	Nominal Beam Angle (Degrees)
BB09BD-20031-120020-01	SW27	2700	650	65	80	120
BB09BD-27031-120020-01	SW30	3000	700	70	80	120
BB09BD-21031-120020-01	SW35	3500	750	75	80	120
BB09BD-22031-120020-01	SW40	4000	780	78	80	120
BB09BD-24031-120020-01	SW50	5000	820	82	80	120

¹Higher CRI available by special order

²Sample value when used with compatible Brillia LED driver and sample heatsink

Options: sales@brillialed.com

Other LED colors or LED manufacturers availableplease email sales@brillialed.com

Packaging

Modules are marked with abbreviated SKU and lot traceability information on non-LED side of module. Modules are sold 35 per panel (sheet form) and packaged in ESD bags with SKU and lot traceability information.

Warranty

Permlight Products Inc. holds the following United States patents of which one or more may be applicable to the design and/or manufacture of this product. Additional granted patents, patents pending and other intellectual property protection rights may apply to this product.

United States Patents: 6712486, 6578986, 6846093, 7114831, 7306353, 7108396, 7387406, 7595740