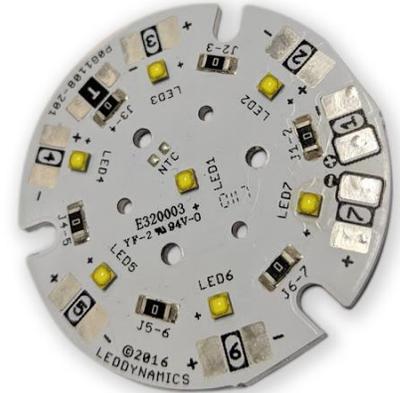


Product Overview

The POG1108 is a compact high lumen output light module. It employs high power Luxeon C LEDs for a large punch in a small space. Compatible with Khatod's Zeta optics.

Features & Benefits

- Seven Luxeon C LEDs providing
- Electrically isolated MCPCB
- Highly configurable.
- Optional thermistor available
- Over 100 Lumens per Watt!



Electrical Specifications

Specification	Min	Typical	Max	Unit
Forward Voltage	17.5	19.25	24.5	VDC
Forward Current		350	1225	mA
Operating Temperature (T _j)	-40		135	°C
Luminous Flux (@350mA)	700	791	850	Lm

Mechanical

Specification	Imperial	Metric
Radius	1.57"	40 mm
Height (without optic)	0.118"	3 mm
Height (with optic)	0.532"	13.52mm
Weight	0.075oz	5.3g

Available Optics

POG1108 is compatible with Khatod's Zeta optic line. More information is provided at Khatod's website for product number - PL121106. Contact us for optics outside of the PL121106 "Narrow" beam pattern.

Heat Concerns

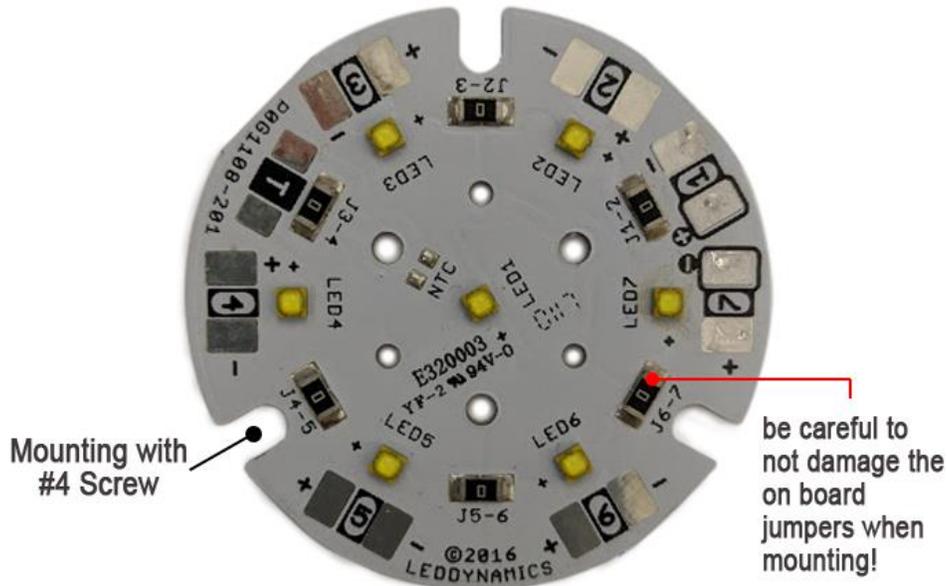
Thermal management should always be a consideration in any LED application. The POG1108 implements seven high power LEDs that require heatsinking. The back of the PCB is electrically isolated so it is not necessary to use an electrically insulated thermal interface material. Some form of thermal interface material should be used to minimize air pockets and allow for maximum heat transfer from the MCPCB to the heatsink.



P0G1108 - Seven-up Luxeon C LED Module

Mounting

Mounting points are provided at three locations on the P0G1108. A #4 screw should be used when using the mounting point. Make certain that you will not damage the resistors near the mounting point as this will affect the function of the module.



Customizing

The P0G1108 is customizable to allow for each LED or multiple LEDs to be addressed. Removal of the jumpers (J1-7) allows for each LED to have its own anode and cathode pad for powering the individual LEDs.

