

Products

LED Modules

CML IT LED Modules are available in various sizes, shapes and colors and utilize the CML-IT line of high quality LEDs. The features are easy handling, compact construction, long life span and low maintenance cost, constant current regulation and no IR & UV radiation.



Part Number: ILL3A0002H
Serial Number: 14 Watt LED Module
Type: circle module
Size: 45
Color: Cool White
Number LED: 5
Dom wave length: 6400K
Viewing Angle (°): 25
Iv per LED:
Op. voltage (V):
Power Consumption: 14
Voltage tolerance (%):
Op. temperature (°C): -0.2
Storage temperature (°C):
Narrative:
RoHS Status: Yes

14 Watt LED Module

Light Source

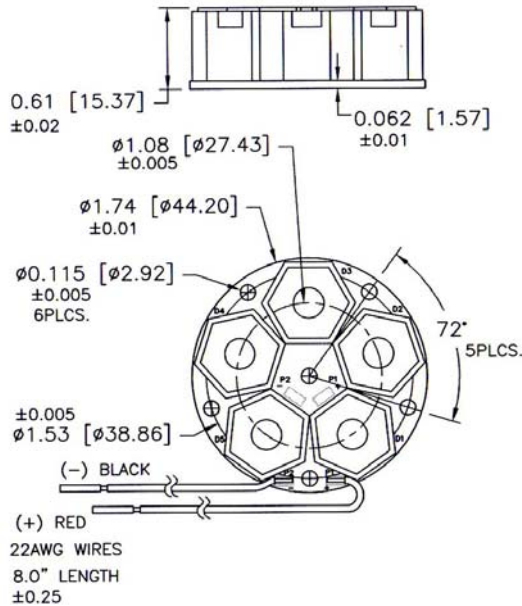
- ✿ 5 High Power Light Emitting Diodes (3 Watt LEDs)
- ✿ Colors: Cool White, Warm White, Blue, Cyan, Green, Amber and Red
- ✿ Consistent unit-to-unit color temperature



- ✿ **Model-ILL3A0002**
- ✿ 1.74" (44.2mm) round compact source
- ✿ May be driven up to 1000mA
- ✿ Operating life 50,000 hours
- ✿ High efficiency optics: 6 or 25 degrees (see "Photometric Data")
- ✿ Metal Clad PCB Substrate
- ✿ 8" power leads
- ✿ Compatible with range of standard and custom drivers
- ✿ For Spot Lighting, Flood Lighting, Landscape Lighting and Architectural Lighting

P/N ILL3A0002* *=Color and (6° or 25°) Optics	Color	Color Temp - Dominant Wavelength	Typical Luminous Flux (Lumens)	Design Current (mA)	Luminous Intensity (cd)	Power Consumption (Watts)
ILL3A0002(A or H)	Cool White	6400K +/- 600K	320	700	3,121.50 (A) 1,367.00 (H)	14
ILL3A0002(B or I)	Warm White	3250K +/- 250K	200	700		14
ILL3A0002(C or J)	Blue	470nm	95	700		14
ILL3A0002(D or K)	Cyan	505nm	260	700		14
ILL3A0002(E or L)	Green	530nm	260	700		14
ILL3A0002(F or M)	Amber	589nm	240	700		9.1
ILL3A0002(G or N)	Red	625nm	260	700		9.1

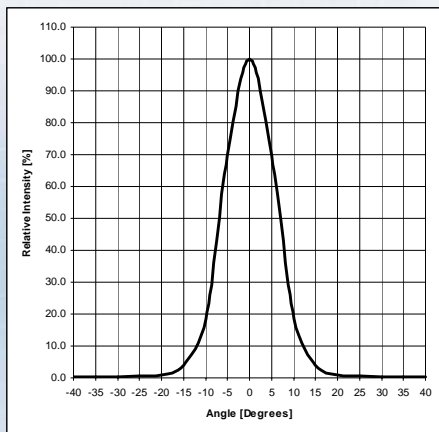
Specifications



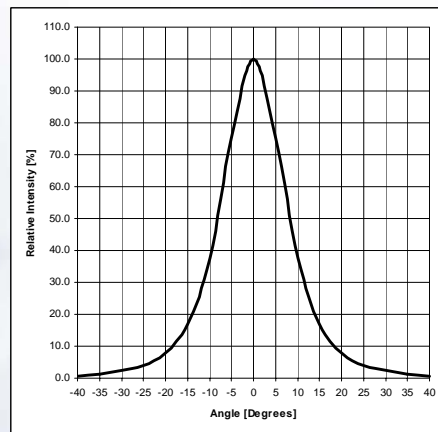
Operating Specifications:

- Operating PCB temperature: 65 °C (Recommended)
 - Maximum PCB temperature: 100 °C
 - Thermal Resistance (Rthj-a): 23 °C/W
 - Projected life: 50,000 hours (70% lumen maintenance at 65 °C)
- * Additional heat sinking required, refer to CML technical support for thermal management guidelines

Photometric Data



Radiation Pattern with 6° optic (CW)



Radiation Pattern with 25° optic (CW)