


## 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.

	<p><b>Part Number:</b> ILL5A0001B  <b>Serial Number:</b> LED Spotlight Engine  <b>Type:</b> circle module  <b>Size:</b> 18  <b>Color:</b> Cool White  <b>Number LED:</b> 3  <b>Dom wave length:</b> 6400K  <b>Viewing Angle (°):</b> 40  <b>Iv per LED:</b>  <b>Op. voltage (V):</b> 50  <b>Power Consumption:</b> LESS THEN 6  <b>Voltage tolerance (%):</b>  <b>Op. temperature (°C):</b> -40 to +55  <b>Storage temperature (°C):</b>  <b>Narrative:</b>  <b>RoHS Status:</b> Yes</p>
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## LED Spotlight Engine

### Light Source

- ✿ 3 High Power Light Emitting Diodes (1 Watt LEDs)
- ✿ Similar output as 20 Watt incandescent bulb
- ✿ Colors: Cool White, Warm White, Red and Cyan



### ✿ **Model-ILL5A0001**

- ✿ 10 – 30 VAC/VDC
- ✿ Fully integrated with driver electronics and heat sink
- ✿ Rugged and Sealed
- ✿ 2.4" (60.2mm) round
- ✿ High efficiency optics: 40 degree beam
- ✿ For Vehicle Interior Lighting, Outdoor Lighting, Architectural Lighting, Portable Lighting, Task Lighting, Track Lighting, Point of Purchase, Cabinet and Display Case Lighting

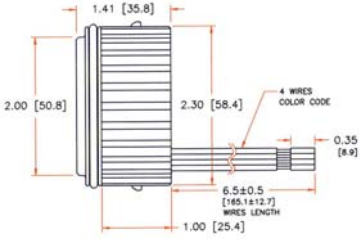
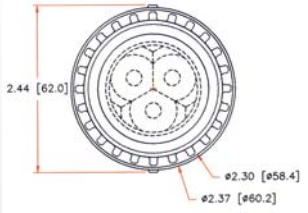
### Features:

- ✿ Low power consumption: Less than 6 Watts
- ✿ Input Power: 10 – 30 VDC/VAC
- ✿ Long Life – 50,000 hours (in typical environment)
- ✿ Color temperature and light output remain constant over entire voltage range
- ✿ Sealed unit – resistant to humidity and moisture
- ✿ No IR or UV emissions
- ✿ Spike/transient protection
- ✿ Power factor correction
- ✿ EMI filtering
- ✿ PWM (Pulse Width Modulation) interface for full range of dimming (contact CML for dimmer control accessory)
- ✿ Anodized Aluminum Housing – resists corruptions
- ✿ Two engagement pins for mounting
- ✿ Shock & vibration resistant
- ✿ Acrylic lens



Application Example

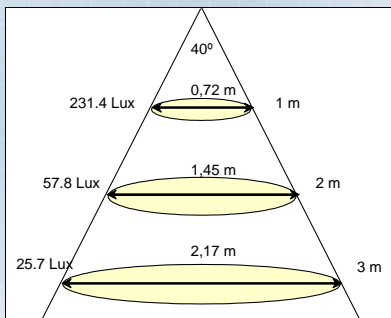
## Specifications

	<b>Model:</b>	ILL5A0001B	ILL5A0001A
	<b>Color:</b>	Cool White (6400K +/- 600K)	Warm White (3250K +/- 250K)
	<b>Luminous Intensity:</b>	200cd	
	<b>Input Current: @ 12V</b>	500mA	500mA
	<b>Net Weight: Typical</b>	150g (5.3 oz)	
	<b>Model:</b>	ILL5A0001G	ILL5A0001D
	<b>Color:</b>	Red: 625nm typical	Cyan: 495nm typical
	<b>Input Current: @ 12V</b>	500mA	500mA
	<b>Net Weight: Typical</b>	150g (5.3 oz)	

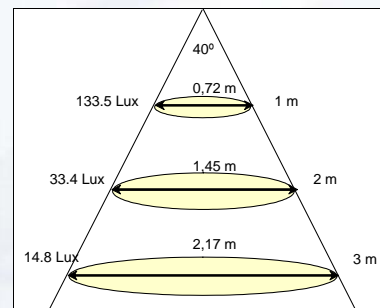
### Other Operating Specifications:

- Operating temperature: -40 to +55 °C
- Projected life: 50,000 hours (70% lumen maintenance and average 25°C ambient temperature)

## Photometric Data



Model: ILL5A0001B Cool White



Model: ILL5A0001A Warm White