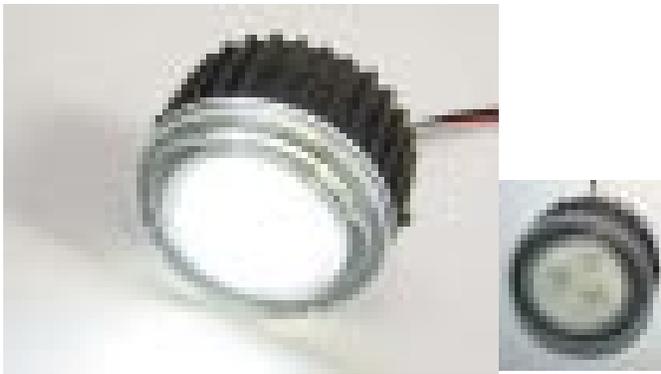




LED Spotlight Engine

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 corrosions
- Two engagement pins for mounting
- Shock & vibration resistant
- Acrylic lens



Application Example

6/06



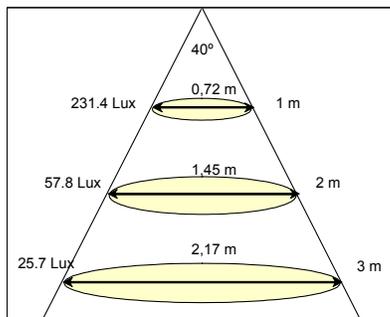
Specifications

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

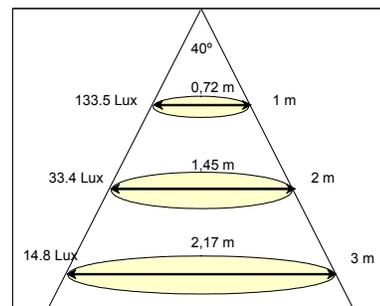
Other Operating Specifications:

- 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Chicago Miniature:](#)

[ILL5A0001A](#) [ILL5A0001B](#)