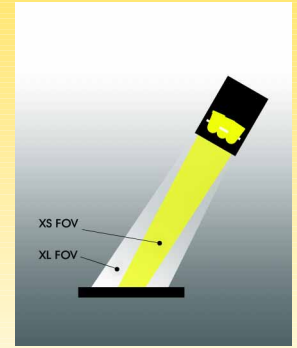




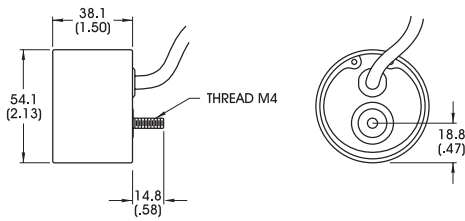
SL1236-RGB
(shown)

SL1236 Spotlight

- Compact design- 54mm diameter housing.
- High intensity illumination for non-specular objects.
- Can be purchased in an RGB (all color) version.



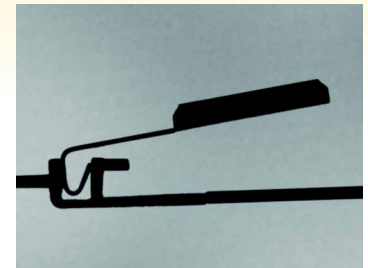
Light Function Diagram



DIMENSIONS ARE IN MILLIMETER (INCHES)

SL1236 as a Backlight!

The object of this inspection was to detect the proper placement of a spring within a nearly opaque plastic housing. Attempts using on-axis and diffuse lighting created bright spots that caused inaccurate results. An infra-red SL1236, with diffuser option when placed behind the part provided sufficient illumination to create a silhouette.



Acquired Solution Image

Standard Product Maximum Illumination

	Working Distance	Watts/cm ²	Lux
Constant Current	100 mm	6.8 mw	4,500
Strobed (100µs)	100 mm	136 mw	90,000

General Specifications

Light distribution	+/- 10%
Operating temperature	0 to 65°C
Standard product lifetime	100,000 hrs
Product weight	224.1 g 7.9 oz

Standard Variation Current Specifications

	(blue)	(green)	(yellow)	(orange)	(red)	(infra-red)	(white)	(RGB)	
@ 12v	N/A	N/A	120	120	240	240	N/A	N/A	mA
@ 24v	120	120	120	120	120	120	120	110	mA

Part Number Designation

Standard Product *SHIPPED NEXT DAY*

Part Number: **SL1236-660100L** (Configured for use with Ai Power Supply)

Standard Product Variation *SHIPPED WITHIN TWO WEEKS*

SL1236 - **XXX** **XXX** **XX** **XX** **X**

Spectral wavelength | Stand off | Field of view | Optional power Compatibility | Optional Light Conditioning

(blue) 470 † | See fig.1 to Compute standoff. | XL | 12 | D (Diffuser)

(green) 520 † | | L | 24 | P (Polarizer)

(yellow) 590 | | M | | |

(orange) 625 | | S | | |

(red) 660 | | XS | | |

(infra-red) 880 | | | | |

(white) WHI † | | | | |

(all Color) RGB † | | | | |

† Not available in 12v

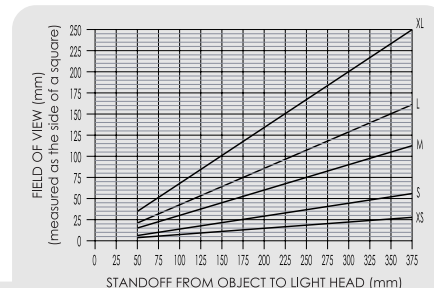


Figure 1
Identify desired FOV and standoff, then specify nearest illuminated area size