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## 38° Viewing Angle, 555nm Compact Laser Driven Light Sources



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#### General

14000 (L90) **Operating Lifetime (hours):**

MonaLIGHT A01 555nm **Model Number:**

Spot Light **Geometry:**

## Physical & Mechanical Properties

12.00 **Diameter (mm):**

10.0 **Weight (g):**

## Optical Properties

Yellow **Color:**

555 **Wavelength (nm):**

1000 - 1300 **Luminous Flux (Lumens):**

<38° **Viewing Angle (FWHM):**

up to 3500 cd **Peak Intensity:**

90° **Beam Angle (FWTM):**

## Electrical

12.9 **Power Consumption (W):**

2.3 W (Maximum) **Output Power (W):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

Czech Republic **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

## Product Details

- Compact With Luminous Flux up to 1300 Lumens (lm)
- 515 – 555nm Wavelength Options Available
- Long Bulb Lifetime of 14,000 Hours

Crytur MonaLIGHT Compact Laser Driven Light Sources are compact and versatile noncoherent light sources designed for modular integration into scientific or industrial applications. These light sources modules offer service lifetimes up to 14,000 hours and are available in three configurations; A01, B01, and F01. The MonaLIGHT A01 series feature asymmetric light output, a viewing angle of 38°, a luminous flux of 1000 – 1300 lm, wavelengths of 515, 535, 540, or 555nm and are ideal for applications requiring slit illumination. The MonaLIGHT B01 series are designed to provide a high output symmetrical beam, a viewing angle of 8°, a luminous flux of 900 – 1100 lm, in wavelengths of either 515nm or 540nm, and are ideal for integration into systems where customized light guides are required. The MonaLIGHT F01 series are ideal for direct fiber coupling and optical microscopy applications in which a low etendue is desirable, and offer a viewing angle of 5°, a luminous flux of 550 lm, and in wavelengths of either 515nm or 540nm. Crytur MonaLIGHT Compact Laser Driven Light Sources are designed for simple integration, with S-Mount (M12 x 0.5) threading on the housing, and bare lead connections for flexible power delivery. Typical applications for these light sources include; scientific research, biotech instrumentation, fluorescence microscopy, high-speed machine vision, endoscopy, and sensorics.

**Note:** Requires a power supply compatible with bare leads electronics