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Red 625nm, MicroBrite LED Spot Light

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

SL223-625IC

Model Number:

50,000

LED Lifetime (hours):

LED Illuminator

Type of Illumination:

Advanced Illumination

Manufacturer:

Spot Light **Geometry:**

Constant **Illumination Mode:**

Physical & Mechanical Properties

7.90 **Diameter (mm):**

1/4 **Fiber Bundle Diameter (inches):**

38.10 **Length (mm):**

0.312 **Outer Diameter (inches):**

Optical Properties

Red **Color:**

625 **Wavelength (nm):**

Hardware & Interface Connectivity

Flying Leads **Connector:**

Power Supply:
Power Supply Required and Sold Separately.
USA: [#66-855](#)
Europe: [#66-855](#)
Japan: [#89-513](#)
Korea: [#33-773](#)
China: [#66-855](#)

2 **Length of Cable (m):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

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

[Contains SVHC\(s\)](#) **Reach 233:**

Product Details

- Compatible with 8mm or 1/4" (0.312") Fiber Illumination Port
- IP65 Rated - Protection from Dust and Water Spray
- 50,000 Hour Lifetime

Advanced Illumination MicroBrite Spot Lights are designed to replace fiber optic illumination systems used in microscopes and machine vision applications. They serve as drop in replacements for any 1/4" or 8mm fiber light guide, or can combine with light guide adapters to replace large fiber bundles. Advanced Illumination MicroBrite Spot Lights are 25X brighter than standard spot lights, feature low power consumption, and a 50,000 hour lifetime.

Note: The 24V Power Supply required for operation ([#66-855](#)) is not included. Units cannot be intensity controlled.

[3D-Printable Mount Files](#)



Spot Light Configuration

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Designed for use with the [Articulating Arm Mounting Systems](#), these 3D-printed mounts allow easy positioning of lights in brightfield or darkfield setups. The design is based on mounting illumination to 1/4-20" breadboards or into 80/20 extrusion systems, but can be adapted based on user needs. Mounts are available for ring, bar, line, and inline spot lights.



[Application Note](#)

Illumination Mounts for Machine Vision Applications
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[Video](#)

Assembly of 3D Printed Mounts for Common Illumination Geometries
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