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# IR 850nm, MicroBrite LED Spot Light

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Advanced Illumination MicroBrite Spot Light

Stock **#18-600** **2 In Stock**

- 1 + **€355**.00

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## Product Downloads

## General

| | |
|---|---|
| **Model Number:** | SL223-850IC |
| **LED Lifetime (hours):** | 50,000 |
| **Type of Illumination:** | LED Illuminator |
| **Manufacturer:** | Advanced Illumination |

**Geometry:**
Spot Light

**Illumination Mode:**
Constant

## Physical & Mechanical Properties

**Diameter (mm):**
7.90

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

**Length (mm):**
38.10

**Outer Diameter (inches):**
0.312

## Optical Properties

**Color:**
IR

**Wavelength (nm):**
850

## Hardware & Interface Connectivity

**Connector:**
Flying Leads

**Power Supply:**
Power Supply Required and Sold Separately:
USA: **#66-855**
Europe: **#66-855**
Japan: **#89-513**
Korea: **#33-773**
China: **#66-855**

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

## Environmental & Durability Factors

**Operating Temperature (°C):**
0 - 50

**Environmental Rating:**
IP65

## Regulatory Compliance

**RoHS 2015:**
Exempt

**Certificate of Conformance:**
View

**Reach 233:**
Contains SVHC(s)

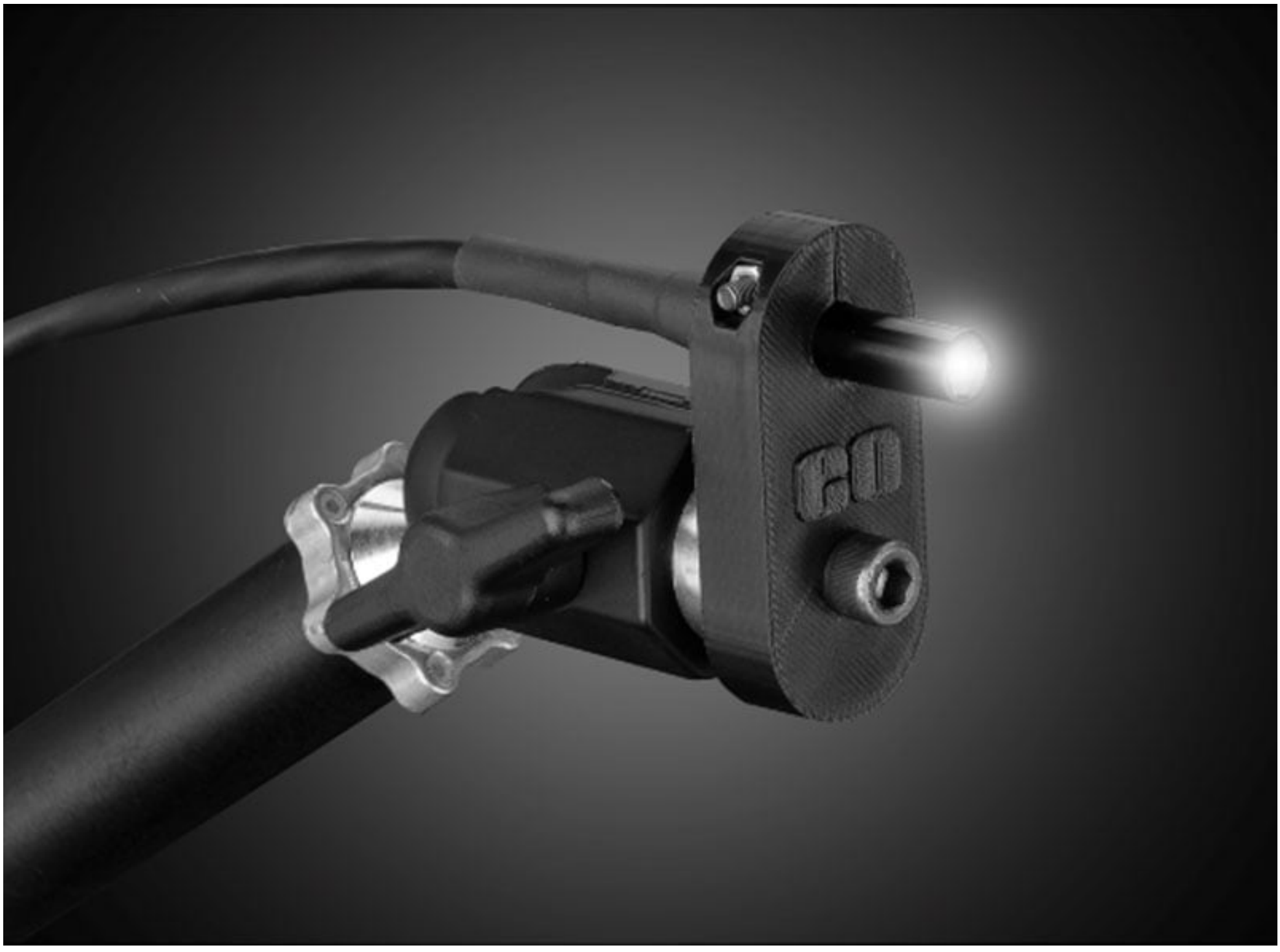
# Product Details

- 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 ¼" 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

Download Now

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 ¼-20" 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
Read

**Video**

Assembly of 3D Printed Mounts for Common Illumination Geometries
Watch

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