

# 2.95" Blue Advanced Illumination High Intensity Ring Light

See More by [Advanced Illumination](#)



Stock #88-485 [CONTACT US](#)

1 £360<sup>00</sup>

**ADD TO CART**



Volume Pricing	
Qty 1+	£360.00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads	
PDF Drawing	Spec Sheets
EO Spec Sheet	

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

General			
<b>Model Number:</b>	RL121-470-IC	<b>LED Lifetime (hours):</b>	50,000
<b>Number of Channels:</b>	1.00	<b>Type of Illumination:</b>	LED Illuminator
<b>Note:</b>	Optional Manual Intensity Adjustment <a href="#">#86-887</a> and <a href="#">#89-555</a> are Available		<b>Manufacturer:</b> Advanced Illumination
<b>Geometry:</b>	Ring Light	<b>Illumination Mode:</b>	Constant
Physical & Mechanical Properties			
<b>Diameter (mm):</b>	74.90	<b>Height (mm):</b>	14.2
<b>Inner Diameter (mm):</b>	M35.5 x 0.5	<b>Outer Diameter (mm):</b>	74.9
<b>Weight (g):</b>	164.00		
Optical Properties			
<b>Color:</b>	Blue	<b>Wavelength (nm):</b>	470
<b>Working Distance (mm):</b>	75 - 150		
Hardware & Interface Connectivity			
<b>Connector:</b>	Flying Leads	<b>Power Supply:</b>	Power Supply Required and

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

## Environmental & Durability Factors

**Operating Temperature (°C):** 0 to 60

## Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

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

## Product Details

- Slim Profile to Ease System Integration
- High Brightness LEDs
- Multiple Size, Wavelength, and Working Distance Options

Advanced Illumination High Intensity Ring Lights utilize an arrangement of high brightness LEDs to precisely illuminate a wide variety of imaging applications. Advanced Illumination High Intensity Ring Lights feature a slim profile to ease system integration, and are available in a variety of sizes, wavelengths, and working distance options. A manual intensity adjustment option is also available for added flexibility. 4.6" and 6" models are IP67 compliant. An adapter is also available for mounting the 2.95" ring light to M25 x 0.5 lenses.

**Note:** Required 24V power supply [#66-855](#). [Accessories for Advanced Illumination products](#) are available and sold separately.

### 3D-Printable Mount Files



Ring 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 >>](#)

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	M35.5 x 0.5 to M25.5 x 0.5 Adapter		<a href="#">#88-494</a>	<b>£88.00</b> <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	24V Power Supply with Tinned Leads		<a href="#">#66-855</a>	<b>£76.00</b> <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/>

# Frequently Purchased Together



#66-855 - 24V Power Supply with Tinned Leads  
**£76.00**

Qty

# Resources

### Media Type

- Technical Tool
- Application Note
- FAQ
- Glossary
- Video
- Published Article

**TECHNICAL TOOL**  
**Illumination Spot Size Calculator**

**APPLICATION NOTE**  
**Common Illumination Types**

**APPLICATION NOTE**  
**Using Structured Illumination**

**? FAQ**  
**What is ripple in illuminators and how does it affect mv...**

**? FAQ**  
**What is the advantage of high frequency illumination?**

**? FAQ**  
**What are the advantages of LED illumination?**

[View More](#)