

[All Products](#) / [Lights and Illumination](#) / [Advanced Illumination EuroBrite](#)

[See all 6 Products in Family](#)

52 x 120mm, White

See More by [Advanced Illumination](#)

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit



AI EuroBrite Ring Light



Stock #33-447 [CONTACT US](#)

1

€320⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€320,00 each
Need More?	Request Quote

Product Downloads	
PDF Drawing	Spec Sheets
EO Spec Sheet	

Prices shown are exclusive of VAT/local taxes

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

General

Operating Lifetime (hours):	50,000	Model Number:	RL-S052120M-WHI
Type of Illumination:	LED Illuminator	Note:	See Technical Information Tab for Typical Intensity
Manufacturer:	Advanced Illumination	Geometry:	Ring Light
Illumination Mode:	Strobed or Constant		

Physical & Mechanical Properties

Dimensions (mm):	120 x 120 x 30	Weight (g):	173.00
-------------------------	----------------	--------------------	--------

Optical Properties

Color:	White
---------------	-------

Electrical

Maximum Input Current:	0.42 - 0.49A	Analog Intensity Control:	10% @ 0.7V, 100% @ 10V
Trigger-to-Pulse Latency:	10µm		

Hardware & Interface Connectivity

Connector:	Flying Leads	Input Voltage (V):	24V nominal (min. 22 / max. 28)
-------------------	--------------	---------------------------	---------------------------------

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

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Environmental & Durability Factors

Operating Temperature (°C): 0 - 60

Environmental Rating: IP67

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

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

Product Details

- 52mm Inner Diameter
- Requires No Heat Sink
- Available in White, Red, and Blue

Advanced Illumination EuroBrite™ Ring Light illuminators feature on-board smart drivers functional during strobe and continuous operation modes making them ideal for the most demanding performance constraints. Adaptive OverDrive™ allows for power optimization while in strobing mode, and Adaptive Thermal Feedback™ gives operational current control to the user, preventing overheating and eliminating the need for a heat sink. These Advanced Illumination EuroBrite™ Ring Light illuminators feature a ruggedized, sealed enclosure, and are available in white, red, or blue versions. The illuminators inner diameter can accommodate components up to 52mm in diameter. An analog dimming control operable in both strobe and continuous modes add to illuminator's customizability.

Note: A 24V power supply is required.

Technical Information

Typical Intensity			
Working Distance	200mm	300mm	600mm
Area	ø132mm	ø145mm	ø226mm
Typical Irradiance (W/M ²)	100.0	74	28
Typical Illuminance (kLux)	34.0	25	10

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
MORE+	M12 Female to Male, 5 pin, 0.2m		#33-462	€40,00 Request Quote	1 In Stock <input type="text" value="1"/>
MORE+	M12 Female to Bare Leads 5 pin, 2m		#33-463	€40,00 Request Quote	3 In Stock <input type="text" value="1"/>
MORE+	24V Power Supply with Tinned Leads		#66-855	€95,00 Request Quote	20+ In Stock <input type="text" value="1"/>

Frequently Purchased Together

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:



#33-463 - M12 Female to Bare Leads 5 pin, 2m
€40,00

Qty



#33-303 - 12mm UC Series Fixed Focal Length Lens
€260,00

Qty



#33-301 - 6mm UC Series Fixed Focal Length Lens
€260,00

Qty



#33-980 - Basler ace acA1920-40um Monochrome USB 3.0 Camera
€580,00

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](#)