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50 x 75mm, Red

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AI EuroBrite Backlight



Stock #33-457 **1 In Stock**

1

€250⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€250,00 each
Need More?	Request Quote

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

Operating Lifetime (hours):	50,000	Model Number:	BL-S050075-625
Type of Illumination:	LED Illuminator	Note:	See Technical Information Tab for Typical Intensity
Manufacturer:	Advanced Illumination	Geometry:	Backlight
Illumination Mode:	Strobed or Constant		

Physical & Mechanical Properties

Dimensions (mm):	75 x 89 x 30	Weight (g):	97.00
Active Area (mm):	50 x 75		

Optical Properties

Color:	Red	Wavelength (nm):	625
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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	<p>Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.</p> <p>Select Your Country/Region:</p>	

Environmental & Durability Factors

Operating Temperature (°C):	0 - 60
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Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 233:	Contains SVHC(s)		

Product Details

- Daisy Chain up to Four 100 x 150mm Units
- Requires No Heat Sink
- Available in White, Red, and Blue

Advanced Illumination EuroBrite™ Backlight 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™ Backlight illuminators feature a ruggedized, sealed enclosure, and are available in white, red, or blue versions. The ability to operate four 100 x 150mm units connected to one another, and 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		
Size	50 x 75mm	100 x 150mm
Working Distance	At Surface	At Surface
Area	58 x 38mm	124 x 91mm
Typical Irradiance (W/M ²)	101	140
Typical Illuminance (kLux)	38	52

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"/>

	Title	Compare	Stock Number	Price	Buy
MORE+	M12 Female to Bare Leads 5 pin, 2m		#33-463	€40,00	3 In Stock <input type="text" value="1"/>
MORE+	24V Power Supply with Leads				6 In Stock <input type="text" value="1"/>

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Frequently Purchased Together



#56-675 - 0.16X SilverTL™
Telecentric Lens
€1.125,00



#66-855 - 24V Power Supply with
Tinned Leads
€95,00



#11-494 - Basler ace acA1440-
73gm Monochrome GigE Camera
€409,00



#33-456 - 50 x 75mm, White,
EuroBrite™ Backlight
€250,00

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...

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What is the advantage of high frequency illumination?

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What are the advantages of LED illumination?

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