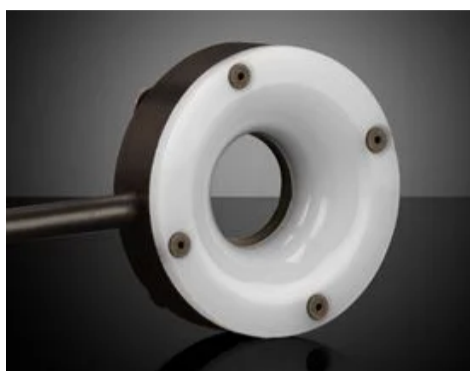


113.3mm, White, MicroBrite Diffuse Darkfield Ring Lights

See More by [Advanced Illumination](#)



Advanced Illumination MicroBrite Diffuse Darkfield Ring Lights

Stock #18-562 **1 In Stock**

- 1 +

MRP ₹1,00,890

Price inclusive of all taxes

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Volume Pricing	
Qty	₹1,00,890
1+	each
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General

Model Number:	DF198-115WHIIC	LED Lifetime (hours):	50,000
Type of Illumination:	LED Illuminator	Note:	Optional Manual Intensity Adjustment #86-887 and #89-555 are Available
Manufacturer:	Advanced Illumination	Geometry:	Ring Light
Illumination Mode:	Constant		

Physical & Mechanical Properties

Height (mm):	15.7	Inner Diameter (mm):	74.9
Outer Diameter (mm):	113.3	Dimensions (mm):	113.3 x 74.9 x 15.7
Weight (g):	128.8		

Optical Properties

Color:	White
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Electrical

Maximum Input Current:	0.32A
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Hardware & Interface Connectivity

Connector:	Flying Leads	Input Voltage (V):	24V
Power Supply:	Power Supply Required and Sold Separately: USA: #66-855 Europe: #66-		

855
Japan: #89-513
Korea: #33-773
China: #66-855

Threading & Mounting

Mounting Threads: M4 x 4

Environmental & Durability Factors

Operating Temperature (°C): 0 - 60

Environmental Rating: IP40

Regulatory Compliance

RoHS 2015: [Exempt](#)

Certificate of Conformance: [View](#)

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

Country of Origin: United States

Imported By: Edmund Optics India Private Limited
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038
Phone: +91-80-6845 0000

Product Details

- Ideal for Visually Enhancing Surface Defects
- High Light Output up to 47,000 Lux
- Multiple Working Distances Between Darkfield and Brightfield
- Required Power Supply and Optional Manual Intensity Adjustment Sold Separately

Advanced Illumination MicroBrite Diffuse Darkfield Ring Lights provide high performance diffuse illumination at narrow angles in a compact form factor. At short working distances, the curved, diffuse lens allows for darkfield illumination while longer working distances allow for both darkfield and brightfield illumination. These ring lights can be used with optional potentiometers to manually adjust LED intensity and can be used to produce a brightfield effect when the working distance is greater than the ring light's outer diameter. Advanced Illumination MicroBrite Diffuse Darkfield Ring Lights are available in multiple sizes and are ideal for applications requiring visual enhancements of surface defects.

Note: Requires 24V power supply [#66-855](#). See specific product notes for compatibility with Manual Intensity Adjustment ([#89-555](#)) or DC-100E Single Output Controller ([#18-645](#))

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
MORE+	24V Power Supply with Tinned Leads		#66-855	₹10,089 Request Quote	10 In Stock <input type="text" value="1"/>
MORE+	Manual Intensity Adjustment for AI Lights		#86-887	₹2,948 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	Industrial DIN Mountable Intensity Adjustment		#89-555	₹15,293 Request Quote	5 In Stock <input type="text" value="1"/>

Related Products



Advanced Illumination Brightfield/Darkfield LED Ring Lights



Advanced Illumination Darkfield LED Illuminators



Advanced Illumination MicroBrite Brightfield Ring Lights

Frequently Purchased Together



#66-855 - 24V Power Supply with Tinned Leads
₹10,089



#86-887 - Manual Intensity Adjustment for AI Lights
₹2,948



#34-015 - 0.377X, 4/3" C-Mount TitanTL® Telecentric Lens
₹2,15,662



#88-602 - 0.367X CobaltTL Telecentric Lens
₹2,20,668

Resources

Media Type

- Technical Tool
- Application Note
- FAQ
- Glossary

TECHNICAL TOOL
Illumination Spot Size Calculator

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