



VisiBright

MICROSCOPY LIGHTING

VisiBright ONE 5400°K | VisiBright PLUS 6500°K

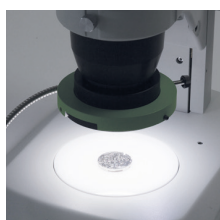
Brightfield ringlight for inspection
of surfaces and reliefs

To learn more
about this product,
visit our website:
www.less-sa.com



ADVANTAGES

- Efficient observation, even at low light intensity
- Limited eye fatigue
- Adaptability to different objectives of microscopes
- Stable light quality over time
- Possibility to combine this system with a darkfield (VisiDark)

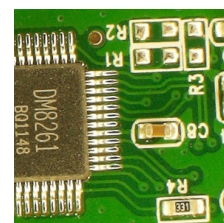


Dedicated to microscopy, the VisiBright ringlight fits on the objective of any stereo microscope. It represents the new standard in brightfield illumination: its illumination provides sharp and perfectly defined images. Surfaces and reliefs are optimally inspected, even at low intensity. The uniformity and directionality of L.E.S.S. light are unique. These properties offer unprecedented inspection comfort by accentuating contrasts, reducing stray light reflections, and, consequently, reducing eye fatigue. In addition, the absence of heat generated by the lighting system does not affect neither the observation nor the sample.

To meet the standards of the most demanding markets, the VisiBright range is available in two color temperatures: VisiBright ONE at 5400°K and VisiBright PLUS at 6500°K, both offering an exceptional color rendering index (CRI > 90).

L.E.S.S. lighting systems (microscopy, machine vision, and workplace lighting) have identical optical characteristics (color temperature, uniformity, and directionality). The light quality of our systems remains constant over time and from one product to another. This consistency allows to standardize working conditions and to save operational time on all operations involved.

SAMPLES UNDER A MICROSCOPE



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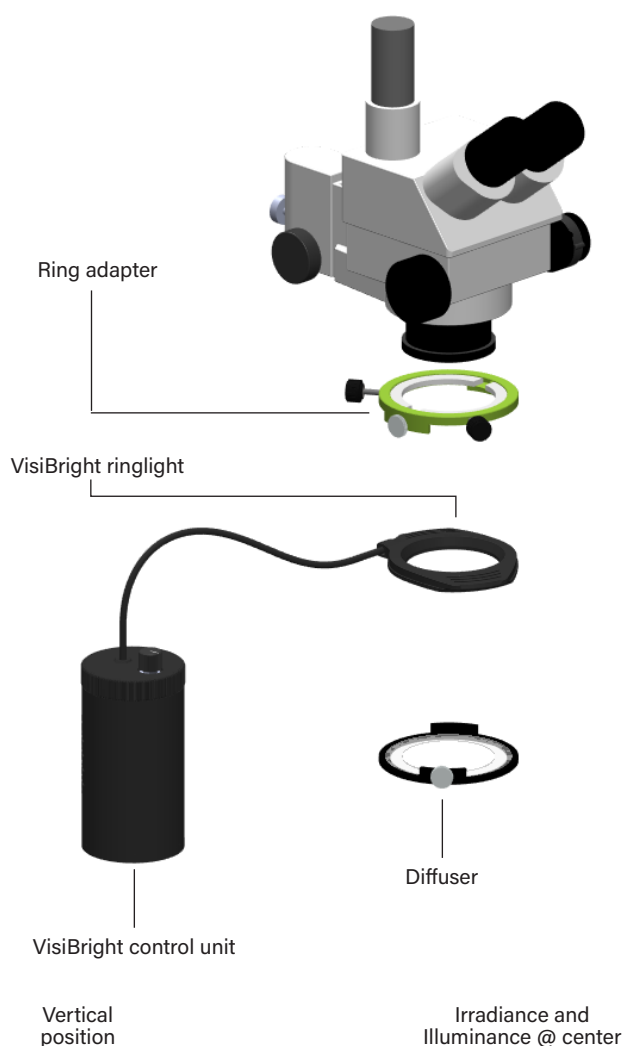


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MICROSCOPY LIGHTING

Brightfield ringlight for inspection of surfaces and reliefs

TECHNICAL DATA



Name	VisiBright ONE VisiBright PLUS
Reference	VBO-MI VBP-MI
Color temperature	5400°K 6500°K
Product line	Microscopy lighting
CRI	> 90
Typical working distance	50 mm
Inner diameter	66 mm (2.6 inches)
Interface adapter	44 mm à 80 mm (2,3 à 3,1 inches)
Cable	Flexible - 500 mm
Lifetime	> 20 000 hours*
Electronic control unit	Built-in
Dimension of the control unit	Ø72 x 149.5 mm
Power control	On/Off switch
Light intensity control	0 - 100%
Operating temperature	0 - 40 °C
External power supply	DC 12V
Dimension ext. power supply	174 x 78 x 21.5 mm
Diffuser	Yes, as accessory

* Lifetime is defined for the lighting values in a normal use. Results may vary with environmental factors and customer specific use.

ACCESSORIES

■ Ring adapter: available with several inner rings, it makes the illumination systems compatible with microscope objectives from 44 mm to 80 mm.

■ Diffuser: Deliver smoother images when observing reflective components under high angle illumination. It can be attached and removed quickly.

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RISK CLASS 0
EN 62471: 2006

EYE-SAFE
CLASS 1 LASER PRODUCT
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