

Lighting

Illumination to enhance the visualization of detail in your samples

Proper illumination of the sample is almost as important for a stereo microscope as magnification and optics. LX Microscopes by UNITRON is proud to offer specially selected illumination sources for use in production, assembly, rework, inspection and quality control environments. Ring lights provide even illumination across the field of view, and some ring lights also feature segments of the ring that can be turned on or off to enhance the visualization of detail in the sample. Gooseneck lights provide great flexibility to adjust and position the light exactly where its needed. And most of our light sources are **MADE IN THE USA!**



LED-3000 Ring Light maximizes light output and distribution, and prevents harmful glare and reflections. LED-3000 is self-contained and features 40 brilliant LEDs, 50,000 hour lamp life, 6000K color temperature, on/off and dimming controls (to 10% output), 3600 footcandles at 4.5" working distance, and uses only 9-watts. LED-3000 is ESD-Safe and suitable for static-sensitive environments. **Made in the USA**



Part Number

LED3000*

Description

LED-3000 Ring Light



LED-3000-PF Ring Light With Polarizer/Analyzer reduces glare while inspecting shiny parts and details. LED-3000-PF has a built-in polarizing filter and attachable, rotatable analyzer filter. Like the 3000-LED, it features 40 brilliant LEDs, 50,000 hour lamp life, 6000K color temperature, on/off and dimming controls (to 10% output), 3600 footcandles at 4.5" working distance, and uses only 9-watts. LED-3000-PF is ESD-Safe and suitable for static-sensitive environments. **Made in the USA**



Part Number

LED3000-PF*

Description

LED-3000 Ring Light With Polarizer/Analyzer



LED3000-UV Ring Light with dimmable UVA LEDs maximizes light output with a greater working distance. Ideal for inspecting conformal coatings. The self-contained LED3000-UV features 40 UV-A LEDs, on/off and dimming controls (to 10% output) and uses only 9-watts. LED3000-UV is ESD-Safe and suitable for static-sensitive environments. **Made in the USA**



Part Number

LED3000-UV*

Description

LED-3000 UV-A Ring Light ESD-Safe

*Available as **72 Hour QUICK SHIP**



Dimmable LED-High-Output Ring Light maximizes light output with a greater working distance. High-Output ring lights feature two concentric rings of lights (40 LEDs, each), 50,000 hour lamp life, 6000K color temperature, on/off and dimming controls, quadrant controls, 5800 footcandles at 4.5" working distance, and uses 18-watts.

Made in the USA

Part Number	Description
18743*	Dimmable LED High-Output Ring Light



Dimmable LED Ring Light optimizes light output and distribution, and prevents glare. This ring light features 40 brilliant LEDs, 50,000 hour lamp life, 6000K color temperature, dimming controls (to 15% output), quadrant controls, 3600 footcandles at 4.5" working distance, a diffusing filter, and uses only 9-watts. **Made in the USA**

Part Number	Description
18746*	Dimmable LED Ring Light



Dimmable LED-High-Output Ring Light With 40 UV-A and 40 White LEDs provides consistent even illumination across samples. High-Output ring lights feature two concentric rings of lights (40 LEDs Daylight white outer ring and 40 UV-A inner ring), 50,000 hour lamp life (25,000 for UV lamps), 6500K color temperature, on/off and dimming controls, quadrant controls, 5800 footcandles at 4.5" working distance, and uses 18-watts. UV-A wavelength range 370-380nm. **Made in the USA**

Part Number	Description
15859-B*	Dimmable LED-High Output Ring Light with 40 UV-A and 40 White LEDs



LFOLED40 Fiber Optic Illuminator is engineered for superior cooling and quiet operation. Using half the energy (80 watts) vs the use of standard 150 watt EKE halogen F/O illuminators, the LFOLED40 features dimmable brightness control and daylight 5000-8300K color temperature with a LED life of 25,000 hours. Choose a Fiber Optic Ring Light (Part number LFORL-CR) or Dual Gooseneck Light Guide (Part number LFODG) to deliver light to the sample.

Made in the USA

Part Number	Description
LFOLED40	ESD-Safe LED Fiber Optic Illuminator
LFORL-CR	Fiber Optic Ring Light
LFODG	Dual Gooseneck Fiber Optic Transmitter



Quadrant LED Ring Light is self-contained and delivers even illumination to the sample. This ring light features 72 bright LEDs, 6400K color temperature, 10-step variable intensity, quadrant controls and 10,000 hour lamp life.

Part number	Description
15854	Quadrant LED Ring Light



LED Ring Light features 60 LEDs with variable intensity and 10,000 hour lamp life.

Part number	Description
15856	Variable LED Ring Light



LED-3000 Ring Light



LED-3000



LED-3000
With Polarizing Filter

LED-3000 Ring Light maximizes light output and distribution while preventing harmful glare and reflections. Its brilliant 40 LED display makes this ring light ideal for the inspection of surface cracks and defects as well as for lead-free inspection. Pure-white LED light eases the examination of welds, solder joints, flux residues and hairline stress cracks. ESD-Safe.

- 40 LED bulbs with variable intensity light control
- Color temperature: 6000K
- Lamp life: 50,000 hours
- 9w of power produces 3600 foot candles at 4.5" working distance
- Machined aluminum mounting ring
- Supplied with 3 soft tip mounting screws
- Rugged polycarbonate housing
- Supplied with controller and power supply
- Fits 1.25" - 2.6" (66mm) lenses
- Silent vibration free operation
- Tested and certified to EN/IEC 62471, IEC 61010-1:2010 standards
- 5-Year Warranty
- Made in the USA
- ESD Safe (static grounding cables ensure static dissipation)

Part Number	Description
LED3000	LED-3000 Ring Light
LED3000-PF	LED-3000 Ring Light With Polarizing Filter

