



Description

Wave LED UV is ideal for the inspection of conformal coatings as well as for the detailed inspection of welds, solder joints and other areas of stress concentration. Wave LED UV offers shadow-free magnification with light coming from both sides, as well as three-dimensional magnification with light coming from the left or right.

A version of WAVE LED UV-ESD is also available and is ideal for use in static-sensitive environments where electrostatic discharges can prove fatal for electronic components.

Maximum flexibility and precision

The flexibility of the joint between lamp head and arm makes exact positioning easy. The spring balanced arm provides maximum vertical and horizontal movement, and will always stay in the right position without drifting.

The standard version is supplied with a 3.5 or 5 diopter optical-quality glass lens. Color: Light grey.

UV light version

UV Magnifiers are primarily designed for the inspection of conformal coatings. The 400nm UVA lightsource is also ideal for detailed inspection of welds, solder joints and other areas of stress concentration. UV tracer conformal coatings observed under the WAVE UV lightsource glow a dark purple color allowing for easy identification of uncoated areas.

ESD-Safe UV models

Wave LED UV-ESD is an illuminated magnifier designed for the inspection of conformal coatings in static-sensitive environments where electrostatic discharges can prove fatal for electronic components. The shade and arm are powder-coated with a metal-laced paint that measures $10^4\Omega/\text{sq}$. (conductive). The remaining components are molded in a material that measures $10^5 - 10^6\Omega/\text{sq}$. (static dissipative). Since the surfaces are no longer insulative, triboelectric charging results in drastically lower voltages, especially since any charge (under 50 volts) is uniformly distributed throughout the entire surface of the head assembly.

LED: Lightsource of the future

Wave LED UV is equipped with two 6W UV-A LED modules, which are individually controllable. A 9/4 hour automatic shut-off feature and step dimming (0-50-100%) further ensure energy savings.

About magnification

Follow this link to read more about the principles of magnification, and how a Luxo magnifier can be a valuable tool for a variety of applications.

- [Follow this link to learn more about Luxo illuminated magnifiers](#)

Technical description

Lightsource	Two 6W dimmable 400mm UV-A LED modules. 13W total energy consumed. Step dimming: 0-50-100%.	Power supply	Supplied with cable and plug.
Body material and color	Steel arm and die-cast aluminum shade. Fully-enclosed neck design. Color: light grey.	Arm technology and movement	>Heavy-duty internal-spring 45" or 30" parallel, three-pivot K-arm.
Mounting	Standard with edge clamp or weighted base. Additional mounting options are also available.	Timer	An integrated auto shut-off will turn the light off after 9 or 4 hours.
Optics	3.5- (1.88X) or 5-diopter (2.25X), 6.75" x 4.5" rectangular white crown optical-quality glass lenses are standard. For additional magnification, a secondary 4-, 6- or 10-diopter STAYS lens can be attached to the primary lens.		