

# WAVE + PLUS UV MAGNIFIER



New from Luxo is the latest addition to the WAVE+ family, the WAVE+ UV Magnifier. This multi-tasking model is primarily designed for inspection of conformal coating. The UV lightsource of the WAVE+ UV is also perfect for detailed inspection of welds, solder joints and other areas of stress concentration. Additional applications include inspection of surfaces and finishes in fields such as criminology, museum and artwork restorations, document authenticity, leak detection, currency verification and gemstone and mineral inspection.



## Features:

- Lens size (6.75" X 4.5") determined by ergonomists to optimize viewing area without being intrusive to the work environment
- An adjustable neck assembly for positioning the magnifier head at the proper viewing angle so the operator maintains correct posture
- Lighting: two 13-watt quad compact fluorescent tubes
- Top-mounted accessory lenses, including a 10-diopter swing away lens
- UL/CUL listed
- Dual switches for independent control of each light; with one light on, shadowing is possible; with both on, full illumination results
- Precision-ground white crown optical quality glass lens makes it ideal for inspection
- Magnification: 3.5 diopter lens (1.85X)
- Total magnification possible: 4.35X
- A blue indicator for each lamp (indicating on/off of fluorescent tube)
- 5 Year Warranty

# WAVE + PLUS ESD MAGNIFIER

WAVE+ ESD series magnifiers are designed for use in static sensitive environments. They guard against uncontrolled static dissipation. The outer surfaces of the components in the head assembly are protected with a special coating that alters the electrical characteristics at the surface of the materials. The specially treated material results in surface resistivity in the  $10^6$  to  $10^7$  ohms/square (static dissipative). Since the surfaces are no longer insulative, triboelectric charging will result in drastically lower voltages, especially since any charge (under 50 volts) will be uniformly distributed throughout the entire surface of the unit's head assembly. The magnifier arms are powder-coated with a metal-laced paint that measures approximately  $10^{10}$  ohms/square (static dissipative). The entire combination of protection makes it the foremost ESD-safe magnifier in the industry.



## Features:

- Lens size (6.75" X 4.5") determined by ergonomists to optimize viewing area without being intrusive to the work environment
- An adjustable neck assembly for positioning the magnifier head at the proper viewing angle so the operator maintains correct posture
- Anti-Reflective (A/R) lens to dissipate glare from overhead lighting so it is not necessary to bend over the lens to block out light reflections
- Precision-ground white crown optical quality glass lens makes it ideal for inspection
- Dual switches for independent control of each light; with one light on, shadowing is possible; with both on, full illumination results
- Magnification: 3.5 diopter lens (1.85X)
- Total magnification possible: 4.35X
- Lighting: two 13-watt quad compact fluorescent tubes
- Ergonomics: lights are fully enclosed on the sides/front to focus illumination on the subject
- Top-mounted accessory lenses, including a 10-diopter swing away lens
- A blue indicator light for each lamp (indicating on/off of fluorescent tube)
- WAVE+ magnifier heads are molded from ABS plastic and have polycarbonate lamp (bulb) covers
- UL/CUL listed
- Heavy duty K-arm .5" square steel tubing- 20 gauge CRS
- 5 Year Warranty

# WAVE+ PLUS A/R MAGNIFIER

The WAVE+ A/R products feature an Anti-Reflective (A/R) coating on the lens. The A/R coating virtually eliminates glare from overhead lighting so an operator/technician can see clearly without bending over the lens. This reduces fatigue both mentally and physically. There is less stress on the shoulder, back and neck muscles and the eyes do not feel as strained when using A/R models. Therefore, both concentration and productivity improve. WAVE+ A/R products should be an integral part of any ergonomics program. They complement ergonomic workstations and seating and make those investments truly beneficial. The act of bending over magnifiers negates many of the ergonomic benefits of footrests, good seating and height adjustable work surfaces. Using WAVE+ A/R magnifiers improves working conditions for employees so they can carry out their responsibilities with better concentration and less stress.



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- Anti-Reflective (A/R) lens to dissipate glare from overhead lighting so it is not necessary to bend over the lens to block out light reflections
- Precision-ground white crown optical quality glass lens makes it ideal for inspection
- Dual switches for independent control of each light; with one light on, shadowing may occur; with both on, full illumination results
- Magnification: 3.5 diopter lens (1.85X)
- Total magnification possible: 4.35X
- Lighting: two 13-watt quad compact fluorescent tubes
- Ergonomics: lights are fully enclosed on the sides/front to focus illumination on the subject
- Top-mounted accessory lenses, including a 10-diopter swing away lens
- Multi-layer coating averages .5% reflectivity per coated surface over the wave length of 400-700nm
- Durable coating meets MIL Standard C-675C for abrasion resistance
- Heavy duty K-arm .5" square steel tubing - 20 gauge CRS
- UL/CUL listed
- 5 Year Warranty

# WAVE + PLUS MAGNIFIER

WAVE+ magnifiers are the top choice of technicians, assembly operators and quality control inspectors because their wide-view, rectangular-shaped lenses, excellent lighting and time-tested arms are easiest to use. Over a decade ago, WAVE magnifiers - the predecessor of WAVE+ magnifiers - first integrated a rectangular-shaped lens with dual lights in a sleek, low profile housing to achieve a top quality, well designed illuminated magnifier that was highly functional. It received the "Best Industrial Designed Product" award at the 1987 Hannover Fair. Since then the product line has evolved into several product series that comprise the WAVE+ family.



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## ACCESSORY LENSES (FIT ALL WAVE+PLUS MODELS)



**50074**

**4-DIOPTER LENS**

(adds 1X to magnification of primary lens)

Colors: BK & LG



**50078**

**8-DIOPTER LENS**

(adds 2X to magnification of primary lens)

Colors: BK & LG



**50206**

**10-DIOPTER SWING AWAY LENS**

(adds 2.5X to magnification of primary lens)

## MOUNTING BRACKETS



**50020**

**AH EDGE MOUNT**

For mounting products to horizontal surfaces.

2 3/4" opening.



**50003**

**B WALL MOUNT**

For mounting to walls or other vertical surfaces.



**50005**

**C SURFACE MOUNT**

For direct, permanent mounting to horizontal surfaces.



**50036**

**34" FLOOR STAND**

Painted steel pole and cast iron base includes both casters and glides.

## ORDERING GUIDE

PART NO.	DESCRIPTION	COLOR	ARM LENGTH	MOUNTING BRACKET
17841*	WAVE+ <b>A/R</b> K1AH	LG, BK, WT	45"	Edge Mount
17842*	WAVE+ <b>A/R</b> K2AH	LG, BK, WT	30"	Edge Mount
17843*	WAVE+ <b>A/R</b> K2FE	LG, BK, WT	30"	Base Mount
17845*	WAVE+ K1AH	LG, BK, WT	45"	Edge Mount
17846*	WAVE+ K2AH	LG, BK, WT	30"	Edge Mount
17847*	WAVE+ K2FE	LG, BK, WT	30"	Base Mount
17900BK	WAVE+ <b>ESD</b> K1A	BK	45"	Edge Mount
17902BK	WAVE+ <b>ESD</b> K2A	BK	30"	Edge Mount
17904BK	WAVE+ <b>ESD</b> K2FE	BK	30"	Base Mount
17915BK	WAVE+ <b>UV</b> K1AH	BK	45"	Edge Mount
17916BK	WAVE+ <b>UV</b> K2AH	BK	30"	Edge Mount
17917BK	WAVE+ <b>UV</b> K2FE	BK	30"	Base Mount

**NOTE:** LG - Light Gray BK - Black WT - White \* when ordering these items add 2-letter color code designation to numeric p/n



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