



## Description

KFM LED ESD is especially designed for use in static sensitive environments where electrostatic discharges can prove fatal for electronic components. An ESD-Safe lens is protected with a special coating that alters the electrical characteristics at the surface of the material and guards against uncontrolled static dissipation. 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  $10^{10}\Omega/\text{sq.}$  (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.

KFM LED has a heavy-duty, all-metal construction with a sleek design, adjustable arm and excellent light output making it suitable for a variety of industrial applications.

A 5in. diameter optical-quality glass lens combined with powerful LED lightsource, makes KFM LED ESD one of the best multi-purpose heavy-duty round lens magnifier on the market today. The quality and exact positioning of the LEDs allow for virtually shadow-free magnification and excellent color rendering.

### Maximum flexibility and precision

No knobs to tighten, nothing to adjust. A flexible, self-balancing shade and hands-free neck design allow the lamp head to be secured in any position. The spring-balanced arm provides maximum vertical and horizontal movement, and will always stay in the right position without drifting.

KFM LED is supplied with a choice of 3- (1.75X) or 5-diopter (2.25X) 5" diameter optical-quality glass lens. A cloth shade cover is provided to protect the lens from unwanted dust and debris. Color: Black.

### LED: Lightsource of the future

KFM LED ESD produces nearly 75% greater light output than traditional KFM models. KFM LED ESD is equipped with LEDs arranged across two semi-circular modules. This design allows for virtually shadow-free magnification and excellent color rendering. The modules consume a total of 11W of energy, are infinitely dimmable, and include a 9/4 hour automatic shut-off functionality.

### 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** 9W dimmable LED modules arranged across two semi-circular modules. 11W total energy consumed. Infinite dimming 1-100%. 5700 lux at 13" focal length. 900 lumens. Color temperature: 4000°K. CRI: 80.

**Body material and color** ESD-Safe steel arm and die-cast aluminum shade. Fully-enclosed neck design. Color: black.

**Mounting** Standard with edge clamp. Additional mounting options are also available.

**Optics** 3- (1.75X) or 5-diopter (2.25X), 5" diameter 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.

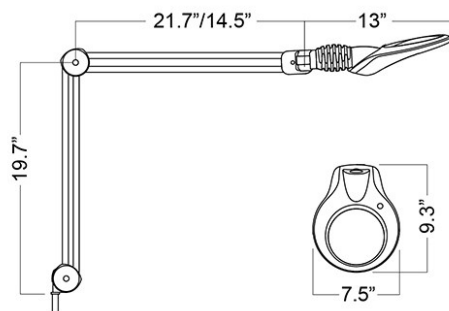
**Power supply** Supplied with cable and plug.

**Arm technology and movement** Heavy-duty internal-spring 45" parallel, three-pivot K-arm.

An integrated auto shut-off will turn the light off after 9 or 4 hours.

A handle in the same design is available as an accessory.

## Measurement drawings



KFM LED ESD

Energy label

