

## INDUSTRIELLE LED-MAGNIFYING LAMPS

Optimum illumination according to the most modern, economical standard. The closed construction makes it a ideal instrument for mechanical, electronic, or other precision applications as well as for the printed circuit board, dental and jewellery industries.

Therefore, the highest value is placed on the light quality of the magnifier luminaires. They have powerful light sources with excellent luminous efficacy.

The quality and precise positioning of the light sources in relation to the lens allows almost shadow-free magnification and excellent colour rendering. The crown-glass-lens has a lower refractive index than magnifier luminaires with plastic lenses. It reduces the loss of light transmission through the lens, resulting in less image distortion.

The three-dimensional function is particularly useful for inspections and rework on printed circuit boards and similar delicate objects.

The loupes are specially designed to maximize horizontal and vertical movements. They are characterized by a considerable horizontal action radius and always maintain the correct position without drifting off. Exact positioning is possible thanks to the flexibility of the self-balancing arm and the joint between the lamp head and the arm.

WAVE and LFM with automatic switch-off function for more energy efficiency.

5 years warranty, delivery with dust cover and EU plug.

The following types are available:

CHARACTERISTICS	9-121	9-161	9-101	9-721
glass lens	3.5 dioptres (1.88x magnification)	5 dioptres (2.25x magnification)	3 dioptres (1.75x magnification)	2x 1.75 and 2.25 magnification
LED module	2 x 6W	2 x 6W	1 x 10W	ring with 9W
3 step dimmer	0-50-100%	0-50-100%	0-50-100%	—
focal length	297 mm, 4600 lux	297 mm, 4600 lux	330 mm, 1500 lux	6000 lux up to 15 cm ultra light led
colour temperature (CCT)	4000°K	4000°K	4000°K	6500°K
colour rendering index (CRI)	Ra 80	Ra 80	Ra 80	Ra 80
crown glass	rectangular 171 mm x 114 mm	rectangular 171 mm x 114 mm	round Ø 127 mm	—
power	13 W	13 W	11 W	7.2 W
voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
shutoff	automatically after 4 or 9 hours	automatically after 4 or 9 hours	automatically after 4 or 9 hours	—
arm length	1050 mm	1050 mm	1000 mm	950 mm
colour	white	black	white	white
weight	4400 g	4600 g	2000 g	3000 g
expandable	Secondary attachment lenses (STAYS) with 4, 6 or 10 diopters can be attached to the crown glass lens. (STAYS: Self-Traction Accessory Yield System)			

## INDUSTRIAL LED MAGNIFYING LAMPS

### ► 9-121

#### **LED magnifying lamp WAVE 3.5 dioptres**

Flexible, self-balancing steel light arm, with aluminium head and table clamp (AH clamp). Efficient, dimmable, shadow-free 3D illumination, selectable LED left/right illumination. High-quality crown glass lens for maximum clarity, precision and visual comfort.

Industrial magnifier luminaires with powerful light sources and optimum illumination according to the latest economic standards. The quality and precise positioning of the light sources in relation to the lens enable almost shadow-free magnification. The crown glass lens has a lower refractive index than magnifier luminaires with plastic lenses, and reduces light transmission loss, resulting in less image distortion. Exact positioning is possible thanks to the flexibility of the self-balancing arm and the joint between the luminaire head and the arm. 5 year warranty, supplied with dust cover and EU plug.



9-121

### ► 9-161

#### **ESD LED magnifier light WAVE 5 dioptres**

Flexible, self-balancing steel light arm, with aluminium head and table clamp (AH clamp). Efficient, dimmable, shadow-free 3D illumination, selectable LED left/right illumination. High-quality crown glass lens for maximum clarity, precision and visual comfort.

Industrial magnifier luminaires with powerful light sources and optimum illumination according to the latest economic standards. The quality and precise positioning of the light sources in relation to the lens enable almost shadow-free magnification. The crown glass lens has a lower refractive index than magnifier luminaires with plastic lenses, and reduces light transmission loss, resulting in less image distortion. Exact positioning is possible thanks to the flexibility of the self-balancing arm and the joint between the luminaire head and the arm. 5 year warranty, supplied with dust cover and EU plug



9-161

### ► 9-101

#### **LED magnifying lamp LFM 3.0 diopters**

Round magnifying lamp in modern lightweight construction with small dimensions, as metal construction with LED (light emitting diode) light sources and a flexible spring arm. The glass lens with a diameter of 127 mm is located in the middle of an LED light ring. This enables perfect illumination of objects for shadow-free viewing.

Applications: Excellent for precision work, including electronic rework, deburring, sample preparation, preparation, assembly and manipulation, and wherever the smallest possible magnifying lamp is required.



9-101

### ► 9-721

#### **LED magnifying lamp SLIM LINE 3.0 diopters**

This elegant, slim magnifier is ideal for all your detail work, with very bright Daylight LEDs. With the adjustable inner spring arm you can easily position the lamp with one hand exactly where you need the light. In addition, the bright daylight LEDs offer high contrast and accurate colour matching, making it easier and less tiring to work.

Applications: Excellent for precision work, including electronic rework, deburring, sample preparation, preparation, assembly and manipulation, and wherever the smallest possible magnifying lamp is required.



9-721