

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.

The following types are available:

CHARACTERISTICS	9-161	9-101	9-104	NEW	9-115	NEW	9-116	NEW
glass lens	5 dioptries (2,25x magnification)	3 dioptries (1,75x magnification)	3,55 dioptries (1,9 x magnification)	6,0 dioptries (2,5x magnification)	6,0 dioptries (2,5x magnification)			
LED module	2 x 6 W	1 x 10 W	12 W		approx. 5 W		approx. 5 W	
3 step dimmer	0-50-100%	0-50-100%	0-40-60-100 %	-	-	-	-	
focal length	297 mm, 4600 lux	330 mm, 1500 lux	200mm, 6000 lux		150 mm, 6000 lux		150 mm, 6000 lux	
colour temperature (CCT)	4000 K	4000 K	6500 K		6200 K		6200 K	
colour rendering index (CRI)	Ra 80	Ra 80	Ra >85		Ra >85		Ra >85	
crown glass	rectangular 171 x 114 mm	round Ø 127 mm	round Ø 132 mm		round Ø 76 mm		round Ø 76 mm	
power	13 W	11 W	15 W		4,6 W		4,6 W	
voltage	230 V / 50 Hz	230 V / 50 Hz	230 V		24 V		24 V	
shutoff	automatically after 4 or 9 hours	automatically after 4 or 9 hours	-		-		-	
arm length	1050 mm	1000 mm	900 mm		350 mm		565 mm	
colour	black	white	white		black-grey		black-grey	
weight	4600 g	2000 g	1300 g		680 g		780g	
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)		Extendable with add-on lenses by 4, 6 and 10 diopters respectively		-		-	

Flexible LED magnifier light 6.0 diopter



The low weight and compact dimensions as well as a high flexibility of the magnifier lamp makes it multifunctional applicable. The flexible LED magnifier lamp features segment switching and offers the choice between shadow-free LED ring illumination and segment illumination for better inspection of different surface structures. The magnifying lamp is equipped with the aspherical PXM® light lens with era-tec® hard coating. It has an optimal swivel range of the magnifier head due to the gooseneck stand in combination with the biaxial lens suspension. Lens Ø 76 mm



Art.-No.	Content	Tripod length
9-115	Flexible LED magnifier Light 6.0 diopter	350 mm
9-116	Flexible LED magnifier Light 6.0 diopter	565 mm

► 9-140



Weight: 230 g

PCB Inspection hand magnifier

The inspection hand magnifier is equipped with a 4.3" display, a touch screen function for intuitive operation and an HD camera for highest sharpness and best contrast even at a magnification of 4 to 15 times. The PCB hand magnifier has the ability to save images directly to the inserted SD card. Data transfer can be done via USB Type-C connection.

Battery life: 2.5- 3 hours, charging time about 2 hours.

Mains voltage of the charger: 110V - 240V, 50 - 60Hz



PCB inspection device



The PCB inspection device has a high-resolution camera with optical digital zoom (high magnification range from 1.3x to 45x). The reflection-free LCD-TFT screen in 15.6" format with the razor-sharp, true-color image in full HD resolution offers the best working comfort. The integrated autofocus can be activated and deactivated at any time. The powerful LED illumination enables optimal work in a field of view of 265 mm. The inspection device is equipped with a user-friendly menu with customizable setting options and a swiveling camera. Data transfer can be performed via USB Type-C connection.



Art.-No.	Content
9-145	PCB inspection device
9-146	PCB inspection device with XY table



Weight: 6,3 kg