

MAGNIFYING LAMPS

Magnifying lamp with lens-cover and glare-protection

for 22 W fluorescent light source
with ideal viewing conditions
without excessive heat

Robust arm construction. Two spring-balanced arms with parallel movement. Springs and all moving mechanical parts built into the tubes and covered. The springs are of high-grade tempered steel calibrated to ensure perfect arm balance; with insulated parts in the joints for safety reasons. Qualified for vibrant working-places.

Technical data: Arm length: from bracket to center of lens 120 cm fully extended, reflector-Ø: 23 cm, lens-Ø: 125 mm, lens: fixed 3 diopter bi-convex, magnification: 1 : 1 ³/₄ or 175 % at a working-distance of 25 cm, Schuko-contact-cable 1.5 m, protection class I. Through additional lens approx. magnification of 1 : 3 ³/₄ or 375 % possible. Colour: pearl grey

- 9-100 **Magnifying lamp with stand trolley and sliding bracket**
- 9-101 **Magnifying lamp with bracket (table) standard**
- 9-102 **Magnifying lamp with bracket (wall)**
- 9-103 **Magnifying lamp with bracket (screw-down mount)**
- 9-105 **Magnifying lamp with bracket (drawing-board or any slanting surface)**

All lamps will be delivered without circular fluorescent tube.

Accessories:

- 9-106 **5-feet-stand with trolley and sliding bracket**
- 9-107 **Additional lens 4 diopter, magnification 1 : 2 ³/₄**
- 9-108 **Additional lens 8 diopter, magnification 1 : 3 ³/₄**
- 9-109 **Fluorescent ring lamp 22 W, white**

Magnifying lamp with plastic reflector

for 22 W fluorescent ring light

Good equilibrated arm construction enables maximal setting. It's easy to bring this lamp in the wanted position by the open spring-balanced arms.

Technical data: Total arm length: 105 cm, reflector-Ø 22 cm, lens-Ø 125 mm, lens: fixed 3.0 diopter bi-convex, magnification: 1 : 1 ³/₄ or 175 %, at a working-distance of 25 cm, Schuko-contact-cable 2.5 m, protection class I, fluorescent tube protected by prism cover. Colour: light grey

- 9-191 **Magnifying lamp with bracket (table) standard**
- 9-192 **Magnifying lamp with bracket (wall)**
- 9-193 **Magnifying lamp with bracket (screw-down mount)**
- 9-195 **Magnifying lamp with bracket (drawing-board or any slanting surface)**

All lamps will be delivered without circular fluorescent tube.

- 9-109 **Fluorescent ring lamp 22 W, white**



MAGNIFYING LAMPS OFFICE LAMPS

Magnifying lamp with plastic reflector

for compact fluorescent tube 9 W

Four-tube spring balanced arm from lacquered steel pipe, open chrome-plated springs, twist protection, 1.5 m cable, protection class II.

Technical data: Total arm length 96 cm, table version 60 cm, lens 150 x 60 mm, 3 diopter, magnification 1 : 1 $\frac{3}{4}$ at a working-distance of 20 cm, reflector 220 x 160 mm.

Colour: white

9-171 **Magnifying lamp with table stand**

9-172 **Magnifying lamp with bracket**

All lamps will be delivered without tubes.

Accessories:

9-179 **Fluorescent tube 9 W**



Magnifying lamp with plastic reflector

for 40 W incandescent bulb

Four-tube spring balanced arm from lacquered steel pipe, open chrome-plated springs, twist protection, 1.5 m cable, protection class II.

Technical data: Total arm length 95 cm, lens-Ø 100 mm, 3 diopter, magnification 1 : 1 $\frac{3}{4}$ at a working-distance of 20 cm.

Colour: white

9-181 **Magnifying lamp with bracket (table) standard**

9-182 **Magnifying lamp with bracket (wall)**

9-183 **Magnifying lamp with bracket (screw-down mount)**

All lamps will be delivered without incandescent bulb.



Office and industry lamp

for 15 W fluorescent tubes (2 pieces)

The reflector is designed to distribute a shadow-free light over a large area with a minimum of heat and glare. The two 15 W fluorescent tubes give a light output equivalent to that of a 150 W incandescent bulb. The lamp head is mounted on a heavy-duty arm with built-in springs and parts, with insulated parts in the joints, turnable into any position. Qualified for vibrant working-places, Schuko-contact-cable 1.5 m, protection class I.

Technical data: Total arm length 120 cm, reflector 48 x 10 cm.

Colour: white

9-131 **Fluorescent lamp with bracket (table) standard**

9-132 **Fluorescent lamp with bracket (wall)**

9-133 **Fluorescent lamp with bracket (screw-down mount)**

9-135 **Fluorescent lamp with bracket (drawing-board or any slanting surface)**

All lamps will be delivered without fluorescent tubes.

Accessories:

9-139 **Fluorescent tubes 15 W (2 pieces), white**



Office lamp

for halogen lamp 15 W / 12 V base GY 6.35

Four-tube spring balanced arm from thermo lacquered steel pipe, chrome-plated steel springs, reflector with twist protection. Halogen lamp protected by security glass. Intensity of light variable in 2 steps.

Technical data: Total arm length 105 cm, reflector-Ø 90 mm, 1.8 m cable, protection class II

Colour: black

9-116 **Office lamp with bracket inclusive halogen lamp 50 W**



MAGNIFIER AND MICROSCOPE



Professional illuminated magnifier for compact fluorescent tubes 7 W (2 pieces)

This magnifier with rectangular lens permits viewing with both eyes. It is the ideal combination of light and magnifier because of two individual light sources and separate switches for individual operation. With single tube operation, three-dimensional viewing is possible. Shadow-free illumination is provided when both fluorescent tubes are operating.

A spring-balanced arm with parallel motion permits exact positioning of the magnifier making it flexible for every working situation.

Technical data: Arm length: from bracket to center of lens 60 cm Ø, reflector 15 x 29 cm, asymmetrical light distribution, lens 17 x 11 cm, 3 diopter, magnification 1 : 1 ¾ or 175 % at a working distance of 25 cm, Schuko-contact-cable 1.5 m, protection class I.
Colour: light grey

9-121 Professional illuminated magnifier with table bracket inclusive 2 tubes 7 W

Accessories:

9-127 Additional lens 4 diopter, magnification 1 : 2 ¾

9-128 Additional lens 8 diopter, magnification 1 : 3 ¾

9-129 Fluorescent tubes 7 W (2 pieces)

Binoskop

Stereomicroscope, tele-magnifier and binoculars in one.

The BINOSKOP is a unique optical device for stereoscopic observation of a wide field of vision. It is thus especially well suited for monitoring details of materials and assembly in SMD technology.

Additional benefits:

- upright picture, vertical and horizontal
- pupillary distance adjustable from 58 to 72 mm
- eye piece individually adjustable for left and right eye with diopter markings
- fully coated lenses, low weight: 540 g



| Technical Data | Magnification from/to | Field of vision from/to | Working distance in mm |
|---|-----------------------|---|------------------------|
| For use as stereo-microscope with attachment lens | 12 x | 20 - 35 mm | 135 - 185 |
| as telemagnifier | 9 x | 90 - 135 mm | 420 - 750 |
| as binoculars | 7 x 25 | 166 m to 1000 m corresponds to wide angle lens | 400 - |

9-150 Binoskop

CONTROL MIRROR

Television service mirror

A control mirror for the most exacting requirements in production and servicing of monitors and TV
Pivoting into any position
Locking in position not necessary
Free from vibration

The control mirror is designed to ensure extreme stability and reliability. Special joints (patented) enable the mirror arm to be moved easily in any desired direction.

Finish: chrome-plated guide bar, arm and joints grey lacquered. The distortion-free mirror has a plastic back and is held in a rubber profiled frame. A broken mirror can be replaced in just a few minutes.

Available on request: Front-surface mirror, evaporated with aluminium, for best image reproduction, nearly free from distortion.

- 9-401 **BERNSTEIN** Control mirror with screw clamp
- 9-402 **BERNSTEIN** Control mirror with flange
- 9-404 **BERNSTEIN** Control mirror with 5-feet-stand

Technical data: maximum height of guide bar 500 mm
 maximum extension of arm 450 mm
 mirror 395 x 290 mm

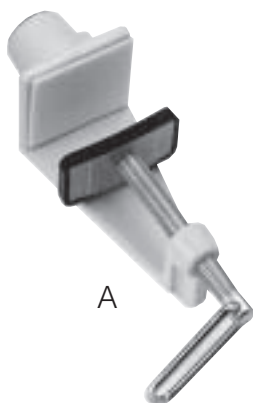
Weights: 9-401 - 3.000 kg
 9-402 - 2.900 kg
 9-404 - 10.300 kg

Types of fastenings:

- A Screw clamp
- B Flange for table or wall mounting
- C 5-feet-stand



B



A

