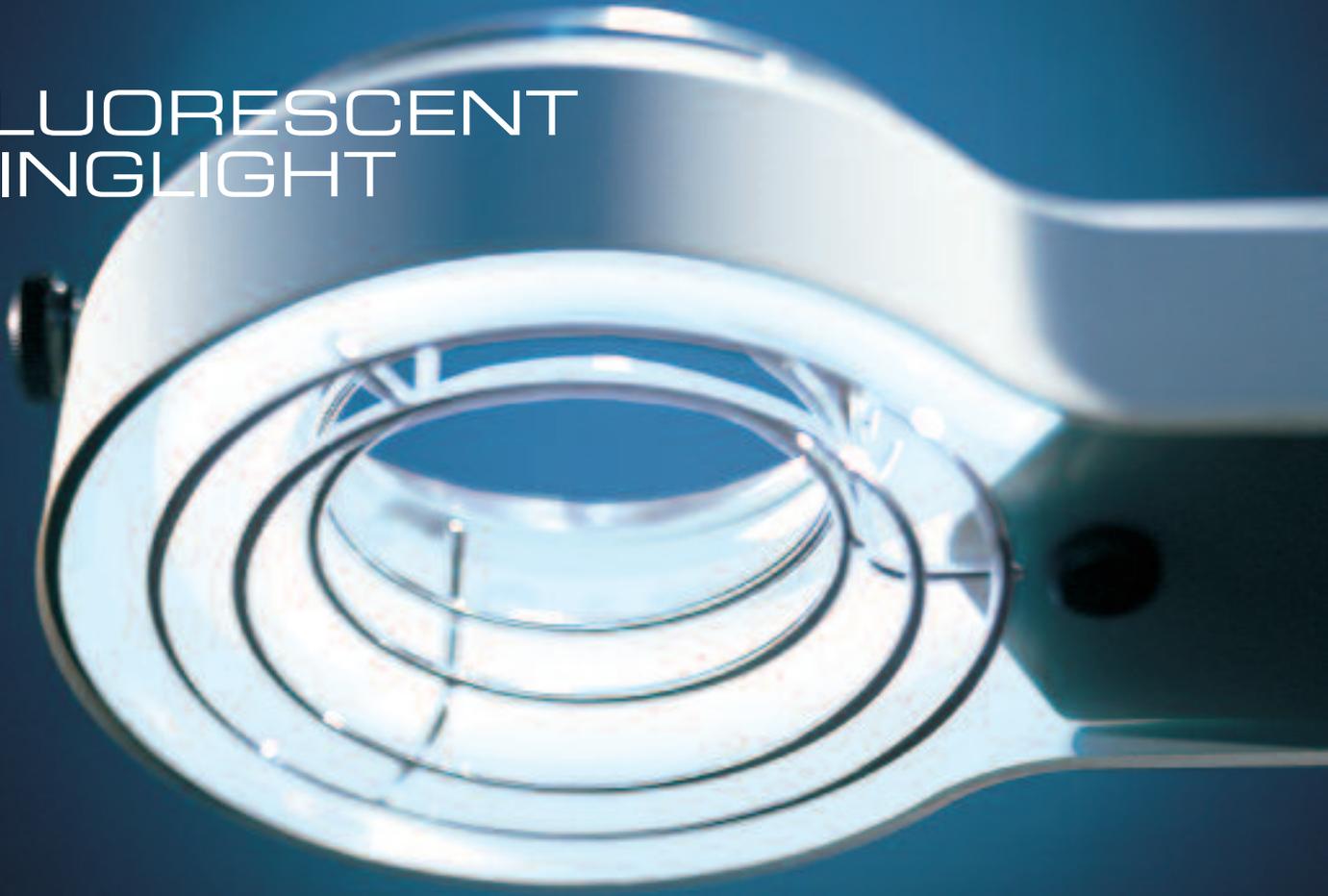


# FLUORESCENT RINGLIGHT





- ▶ COLOUR TEMPERATURE 5,500 K
- ▶ FLICKER-FREE ILLUMINATION
- ▶ 2 BRIGHTNESS LEVELS
- ▶ INCREASED LAMP-LIFE
- ▶ ESD-SAFE
- ▶ BATTERY OPERATION POSSIBLE



# UNIFORM AND FLICKER-FREE

**THE NEW PHOTONIC-FLRL** is especially designed for illumination-tasks where a very uniform and even light is required, like for microscopy or image processing.

These, and the following qualities, make the FLRL the ideal illumination system for a wide range of applications:

- ▶ Constant colour temperature 5.500 K
- ▶ Ripple- and flicker-free illumination by high-frequent current supply (25 kHz)
- ▶ 2-step-brightness control without variation of colour temperature
- ▶ Increased lamp-life by a new smooth lamp ignition
- ▶ 360° – shadow free illumination
- ▶ Unique ESD-safe model
- ▶ Sound- and vibration-free operation
- ▶ Universal mounting system for objectives up to 66 mm diameter
- ▶ Easy and tool-free lamp change
- ▶ Independent Stand-Alone operation possible
- ▶ “Cold Light”
- ▶ Lamp-housing with anti-static qualities

## THE SYSTEM



The **fluorescence ringlight** provides the illumination area with bright, uniform and homogen light. By a new smooth lamp ignition, a loss of lamp lifetime will be prevented. The housing is not thermal-conducting and made of anti-static material which causes the good ESD-qualities. The simple and gentle mounting-system is adaptable for objective-diameters up to 66 mm and can be fitted with custom-made adapters for special applications.



The **protection grating** is an optional feature of the Photonic fluorescence light to prevent that the user comes in touch with the fluorescence lamp by mistake. A contact between user and lamp would cause unwanted anti-static problems, especially at an ESD-safe workstation. The metal-made fence is conductive-connected with the ESD-socket and is unique on the machine-vision illumination market.



The **control unit** supplies the ringlight with a high frequent current (25 kHz) which is responsible for the flicker-free and homogen light of the fluorescence ringlight. The system operates vibration- and noiseless and can be supplied also with battery or akku. It contains the on/off-switch, the two-step brightness control and an ESD-socket.



The switch-mode **power supply** has a voltage range of 100–240 V, 50/60 Hz and therefore can be used world-wide. It supplies the control unit with stable 24 V DC and frees the system from voltage variation.

# ILLUMINATION

## FLUORESCENT RING LIGHT

Lamp	annular arched fluorescent lamp
Colour temperature	5,500 K
Dimension max.	98 x 170 mm, height: 37 mm
Mounting	clamp with screws, optional: mounting element for gooseneck
Lamp housing	white synthetic ESD material, surface resistance (10 E9–10 E11 Ohm/sq) (connected with ESD socket on ballast via 10 MOhm protective resistor)

## ELECTRONIC CONTROL UNIT

Power supply	24 V DC +/- 1 V, hollow plug 5.5 x 2.1 mm, 450 mA or 12 V DC (12–16 V DC), 1 A @ 12 V
On/off switch	
Switch	for 2 brightness settings
Dimensions	95.5 x 64 x 28.5 mm
ESD connection	4 mm banana pin

## POWER PACK

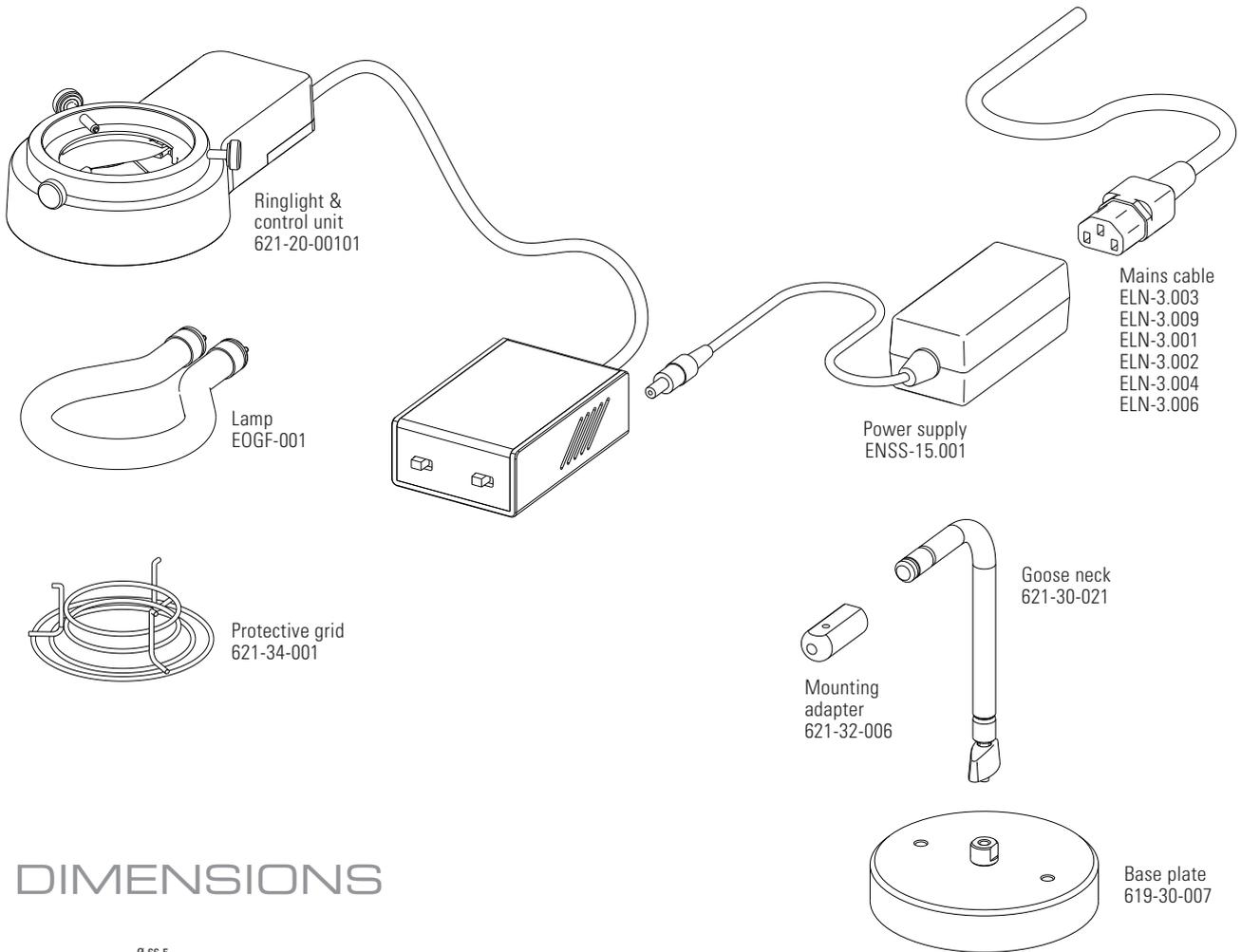
Plug connection	3-pin IEC 320
Voltage range	100–240 V
Mains frequency	50–60 Hz
Power input max.	15 VA



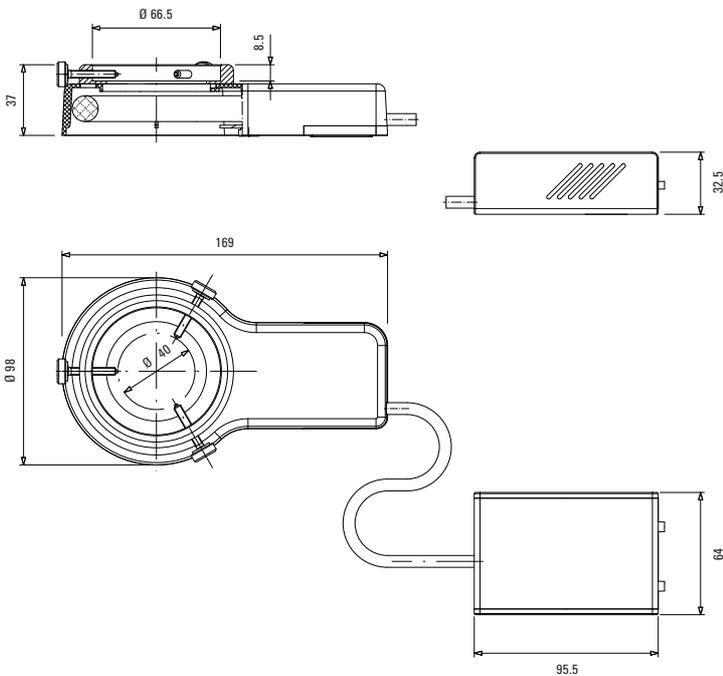
The **goose neck** can be connected directly to a microscope or – in combination with the **base plate** – the system can be run in stand-alone mode.

In connection with **base plate, mounting system** and **goose neck**, the system can be used as an alternative workstation illumination as well.

# SPARE PARTS



# DIMENSIONS



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