



Leica Fluorescence Ringlight



Uniform and flicker-free illumination

The new Leica-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 Illumination system consists of the following basic elements:

- Fluorecence-ringlight with control unit
- Protection granting
- Wall mount AC adapter

The components



Fluorescence ringlight

The ringlamp provides the illumination area with bright, uniform and homogenous light. A smooth ignition startup helps lengthen the service lifetime of the lamp. The housing is not thermal conducting and is made of anti-static material which adds to the 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.



Protection grating

The grating is an optional feature of the Leica fluorescence light to prevent accidental contact of the bulb by the user. Contact between the operator and the bulb could result in an unwanted static discharge, which could damage materials sensitive to ESD.

The metal fence is conductive and connects to a special ESD socket to prevent electro-static discharge.



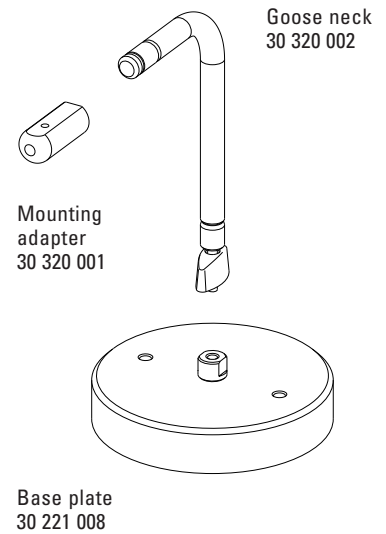
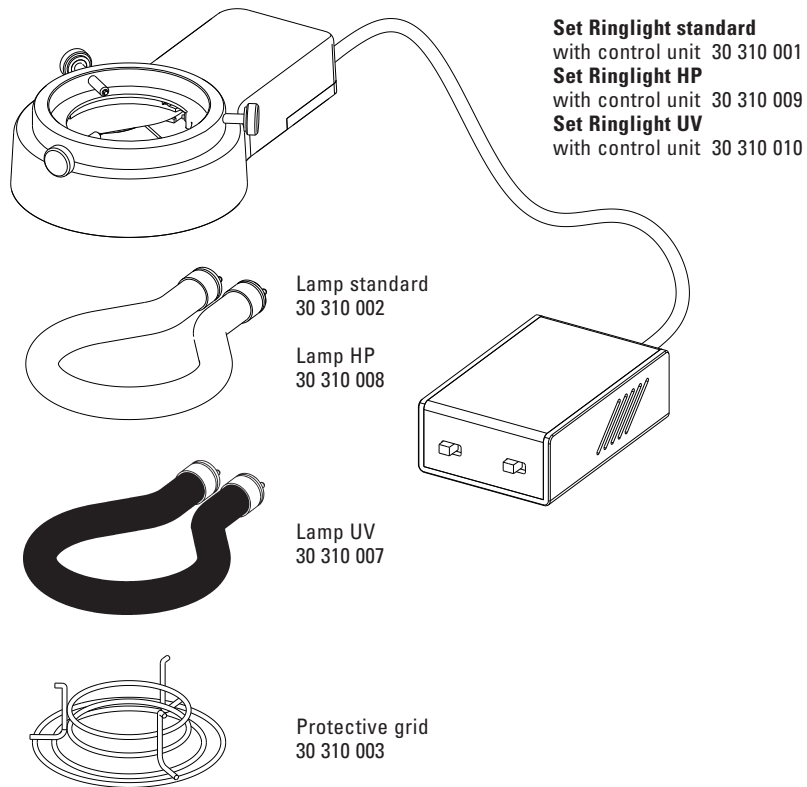
Control unit

The control unit supplies the ringlight with a high frequency current (25 kHz) which is responsible for the flicker-free and homogenous light of the fluorescence ringlight. The system operates vibration- and noise free and can be supplied with a portable battery power supply. The control box has a on/off switch, a two level brightness switch and an ESD socket.



Goose neck

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



Spare parts and accessories

- 30 310 001 Set ringlight standard with control unit
- 30 310 009 Set ringlight high-performance with control unit
- 30 310 010 Set ringlight UV with control unit
- 30 211 011 Wall mounted AC power supply 100–240 V AC, 24 V DC/15 W*
- 30 310 002 Lamp standard 5,500 K
- 30 310 008 Lamp high-performance 5,500 K
- 30 310 007 Lamp UV
- 30 310 003 ESD protective grid
- 30 320 001 Mounting adapter for goose neck mount
- 30 320 002 Goose neck M5 200 mm
- 30 221 008 Base plate with M5 adapter for goose neck

*Additional power cables are not necessary with the wall mounted power supply.

Technical data

Fluorescent ringlight

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 goose neck
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)
Expected service life	standard lamp 2,000–3,000 hrs HP lamp 5,000–7,000 hrs

Electronic control unit

Power supply	24 V DC \pm 1 V, hollowplug 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

