



High Power  
LED ring  
illumination

 **euromex**<sup>®</sup>

## High Power LED Ring Light Illuminators

LEDs are the newest technology for illumination in microscopy that have gained acceptance in both quality control applications and in production. These illumination solutions can be diffuse or optimized with dedicated Fresnel lenses for shorter or longer working distances. Light emitting diodes have the advantage of being a cold light source with a constant spectral output over very long life times.

LED Ring Light	LE.1980	LE.1981	LE.1990	LE.1991
Number of LEDs	48 LED	48 LED	72 LED	72 LED
Min mounting diameter	45 mm	45 mm	60 mm	60 mm
Max mounting diameter	66 mm	66 mm	66 mm	66 mm
Outer diameter	90 mm	90 mm	110 mm	110 mm
Color temperature	6000 K	6000 K	6000 K	6000 K
Illuminance	13.000 Lux	13.000 Lux	16.000 Lux	16.000 Lux
Nominal current	340 mA	340 mA	520 mA	520 mA
Output connector	for analog controller	for digital controller	for analog controller	for digital controller

## Power supplies / Controllers

**LE.1992** 100-230 V power supply  
Analog controller  
Intensity adjustable from 0-100 %



**LE.1993** 100-230 V power supply  
Digital 9 segment controller  
Intensity adjustable from 0-100 %



## Options

	LE.1980/1981	LE.1990/1991
Diffusor glass plate	LE.1984	LE.1994
Fresnel lens ( WD 45-80 mm )	LE.1984-050	LE.1994-050
Fresnel lens ( WD 80-150 mm )	LE.1984-100	LE.1994-100
Fresnel lens ( WD 150-230 mm )	LE.1984-200	LE.1994-200
Protection glass plate	LE.1985	LE.1995
Darkfield equipment	LE.1986	not available
Polarizer filter	LE.1987	LE.1997
Polarizer / Analyzer kit	LE.1988	not available
Indirect illumination dome	LE.1989	not available

( WD = working distance )

### Remarks for LE.1990 and LE.1991 LED Ring Lights:

- Compatible with all objectifs and stands of the Euromex D serie stereo microscope
- Compatible with Euromex ST.1710, ST.1715, ST.1717 stands when used with stereo heads ZE.1624, ZE.1654, ZE.1670, ZE.1671
- Can be used with Euromex ST.1740 stand, only when the incident illumination is removed from ST.1740 stand (We recommend to use the LE.1980 or LE.1981 instead)
- Use AE.5247 mounting adapter when used with EE.1522, EE.1552, EE.1523, EE.1553 when used **without** additional lenses
- Use AE.5248 mounting adapter when used with EE.1524, EE.1554 when used **without** additional lenses
- Use 68.868 mouting adapter when Novex 65.500 or 65.510 stereo microscopes are used **without** additional lenses
- Use 68.869 mouting adapter when Novex 65.500 or 65.510 stereo microscopes are used **with** additional lenses
- Can be used with with Novex 65.550 and 65.560 stereo microscopes, only when the incident illumination is removed from SF stand (We recommend to use the LE.1980 or LE.1981 instead)

### Remarks for LE.1990 and LE.1981 LED Ring Lights:

- Not compatible for the Euromex D serie stereo microscope
- Compatible with Euromex ST.1710, ST.1715, ST.1717, ST.1740 stands when used with stereo heads ZE.1624, ZE.1654, ZE.1670, ZE.1671
- Use AE.5247 mounting adapter when used with EE.1522, EE.1552, EE.1523, EE.1553 when used **without** additional lenses
- Use AE.5248 mounting adapter when used with EE.1524, EE.1554 when used **without** additional lenses
- Use 68.868 mouting adapter when Novex 65.500 or 65.510 stereo microscopes are used **without** additional lenses
- Use 68.869 mouting adapter when Novex 65.500 or 65.510 stereo microscopes are used **with** additional lenses