



Illumination  
Solutions



# Illumination solutions

*Light is crucial for microscopy and macroscopy in order to see the essential details of objects. Good illumination of the specimen will give improved contrast to the image; therefore selection of the correct illumination for a given object is vital.*

## LE.5209 Compact, economical 20 Watt cold-light illuminator with fibre optic

Compact and robust cold illuminator with a 20 Watt halogen light source. The light intensity level is factory preset and not adjustable. Delivered with a 40 cm "gooseneck", Ø 6 mm fibre optic. For 230 Volts operation



## LE.5210 Multifunctional 100 Watt cold-light illuminator without fibre optic

This popular cold-light illuminator contains a 100 Watt halogen light source with intensity control. Maximum colour temperature is 3100° K. Supplied without fibre optic. For 230 Volts operation. A large range of fibre optics, adaptors and accessories makes this illuminator suitable for various applications



## LE.5211 Multifunctional 150 Watt cold-light illuminator without fibre optic

This stunning Euromex design cold-light illuminator has a 150 Watt halogen light source with intensity control. Supplied without fibre optic. For 230 Volts operation. A large range of fibre optics, adaptors and accessories makes this illuminator suitable for various applications. **Available January 2006**



**NEW**

## LE.1970 EuroLED 56 Ring light

This ring light contains 56 LED's and the light intensity is adjustable between 10-100%. Colour temperature max 4300° K. Suitable for working distances between 55 and 120 mm. For 110-230 Volts operation



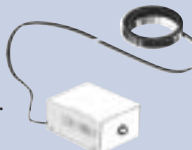
## LE.1971 EuroLED 40 Ring lights

This ring light has 40 LED's and the light intensity can be adjusted between 10-100%. Colour temperature max 4300° K. Suitable for working distances between 25 and 75 mm. For 110-230 Volts operation



## LE.1863 Fluorescent Ring light for zoom lenses

Fluorescent 40 kHz ring light for incident illumination. Colour temperature max 5200° K. Suitable for all Zoom-Stereomicroscopes of the Euromex Z-series, except the ZE.1659. For 230 Volts operation



(4)  
LE.5213  
Ø 4 mm  
50 cm

LE.5214  
Ø 4 mm  
50 cm

LE.5215  
Ø 4 mm  
50 cm

LE.5218  
Ø 8 mm  
100 cm

LE.5220  
Ø 8 mm  
200 cm

LE.5216  
Ø 4 mm  
100 cm

LE.5217  
Ø 4 mm  
100 cm

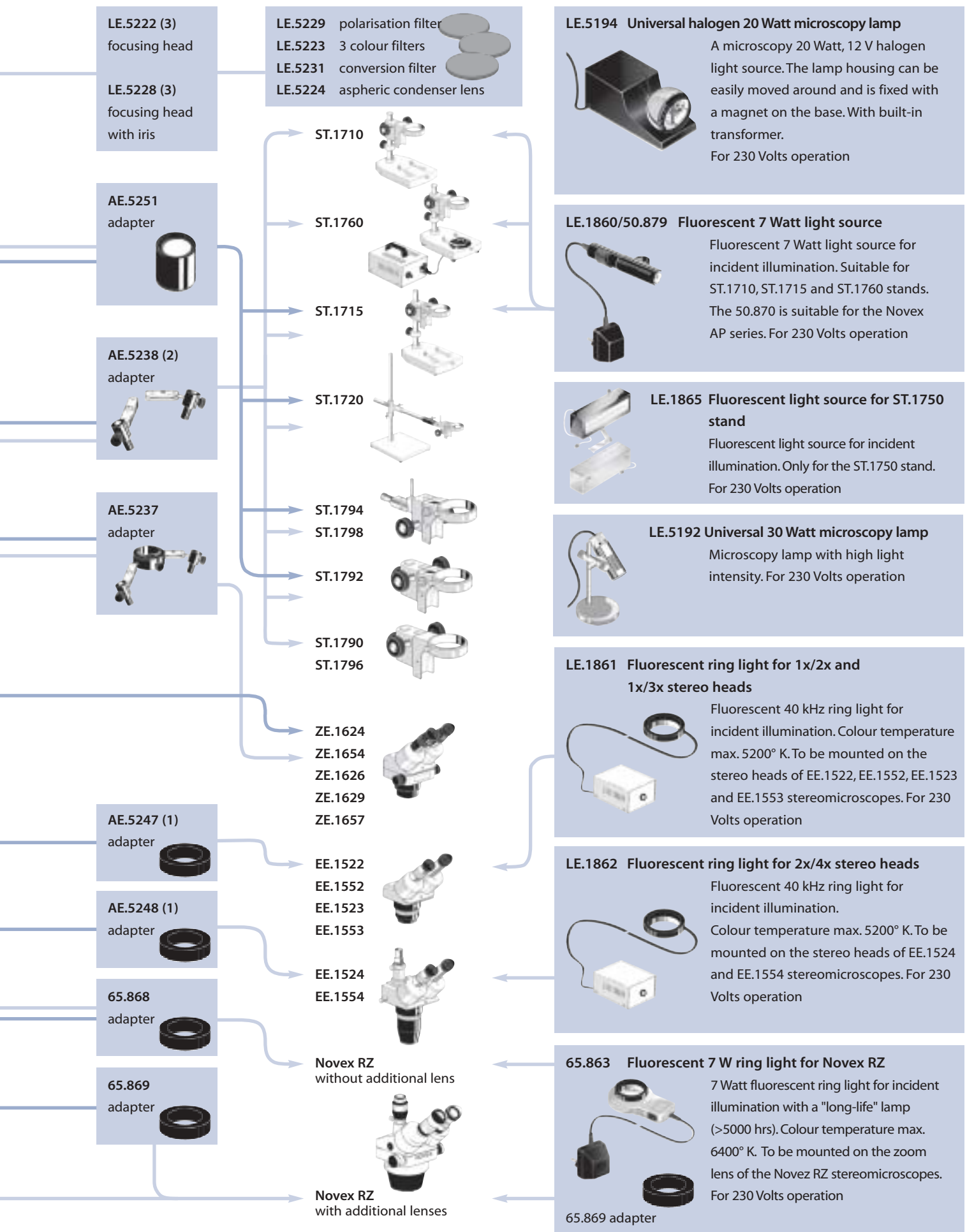
LE.5235  
Ø 4 mm  
100 cm

LE.5239  
Ø 8 mm  
60 cm  
ring light

LE.5240  
Ø 8 mm  
100 cm  
ring light

65.867  
adapter

- (1) Required for LE.5239, LE.5240, LE.1970 and LE.1971 when no additional lenses are used. When additional lenses are used appropriate adapters are available  
 (2) only available in combination with the purchase of a microscope  
 (3) suitable for all flexible and 'flex & stay' light guides  
 (4) LE.5213, LE.5214 and LE.5215 are 'flex & stay' gooseneck light guides



LE.5222 (3)  
focusing head

LE.5228 (3)  
focusing head  
with iris

LE.5229 polarisation filter  
LE.5223 3 colour filters  
LE.5231 conversion filter  
LE.5224 aspheric condenser lens

**LE.5194 Universal halogen 20 Watt microscopy lamp**  
A microscopy 20 Watt, 12 V halogen light source. The lamp housing can be easily moved around and is fixed with a magnet on the base. With built-in transformer. For 230 Volts operation

AE.5251  
adapter

ST.1710  
ST.1760

**LE.1860/50.879 Fluorescent 7 Watt light source**  
Fluorescent 7 Watt light source for incident illumination. Suitable for ST.1710, ST.1715 and ST.1760 stands. The 50.870 is suitable for the Novex AP series. For 230 Volts operation

AE.5238 (2)  
adapter

ST.1715  
ST.1720

**LE.1865 Fluorescent light source for ST.1750 stand**  
Fluorescent light source for incident illumination. Only for the ST.1750 stand. For 230 Volts operation

AE.5237  
adapter

ST.1794  
ST.1798  
ST.1792  
ST.1790  
ST.1796

**LE.5192 Universal 30 Watt microscopy lamp**  
Microscopy lamp with high light intensity. For 230 Volts operation

AE.5247 (1)  
adapter

ZE.1624  
ZE.1654  
ZE.1626  
ZE.1629  
ZE.1657

**LE.1861 Fluorescent ring light for 1x/2x and 1x/3x stereo heads**  
Fluorescent 40 kHz ring light for incident illumination. Colour temperature max. 5200° K. To be mounted on the stereo heads of EE.1522, EE.1552, EE.1523 and EE.1553 stereomicroscopes. For 230 Volts operation

AE.5248 (1)  
adapter

EE.1522  
EE.1552  
EE.1523  
EE.1553

**LE.1862 Fluorescent ring light for 2x/4x stereo heads**  
Fluorescent 40 kHz ring light for incident illumination. Colour temperature max. 5200° K. To be mounted on the stereo heads of EE.1524 and EE.1554 stereomicroscopes. For 230 Volts operation

65.868  
adapter

EE.1524  
EE.1554

**65.863 Fluorescent 7 W ring light for Novex RZ**  
7 Watt fluorescent ring light for incident illumination with a "long-life" lamp (>5000 hrs). Colour temperature max. 6400° K. To be mounted on the zoom lens of the Novex RZ stereomicroscopes. For 230 Volts operation

65.869  
adapter

Novex RZ  
without additional lens  
Novex RZ  
with additional lenses

65.869 adapter

#### LE.5239 Glass fibre ring light for LE.5210 of LE.5211 light sources

Ring light for Euromex E, Z and Novex RZ stereomicroscopes with a flexible 60 cm, ø 8 mm glass fibre light guide. To be used with cold light source LE.5210 or LE.5211

#### LE.5240 Glass fibre ring light for LE.5210 of LE.5211 light sources

Ring light for Euromex E, Z and Novex RZ stereomicroscopes with a flexible 100 cm, ø 8 mm glass fibre light guide. To be used with cold light source LE.5210 or LE.5211

#### Gooseneck self-sustaining glass fibre light guides

*Emission angle 65°, with black metal jacket*

LE.5213 Single-arm light guide, ø 4 mm glass fibre, length 50 cm

LE.5214 Two-arm light guide, ø 4 mm glass fibre, length 50 cm

LE.5215 Three-arm light guide, ø 4 mm glass fibre, length 50 cm

#### Flexible glass fibre light guides with black PVC jacket

*Emission angle 65°*

LE.5216 Single-arm light guide, ø 4 mm glass fibre, length 100 cm

LE.5235 Two-arm light guide, ø 4 mm glass fibre, length 100 cm

LE.5217 Three-arm light guide, ø 4 mm glass fibre, length 100 cm

LE.5218 Single-arm light guide, ø 8 mm glass fibre, length 100 cm

LE.5220 Single-arm light guide, ø 8 mm glass fibre, length 200 cm

#### Accessories for glass fibre light guides

LE.5222 Focusing head. Suitable for 'flex & stay' light guides

LE.5228 Focusing head identical to LE.5222 but with iris diaphragm for light-intensity adjustment without colour alteration

LE.5223 Colour filter set ( red / blue / green ) for LE.5222 and LE.5228

LE.5224 Aspherical condenser lens for LE.5222 and LE.5228

LE.5231 Conversion filter KB12/80B for daylight film

LE.5229 Polarisation filter for reducing reflections

#### Adapter mounts for light guides and ring lights

AE.5237 Ring adapter with 2 adjustable clamps for LE.5217 and LE.5235. To be used with Euromex Z stereo microscopes (except ZE.1659)

AE.5238 2 adjustable clamps for LE.5217 and LE.5235. To be mounted on stereo head holders. Only available in combination with the purchase of a microscope

AE.5251 Adapter for light guide LE.5216 and LE.5217. To be used with ST.1715 and ST.1720 stands or with ST.1792, ST.1794 or ST.1798 stereo head holders

AE.5247 Adapter for LE.5239, LE.5240, LE.1970 and LE.1971, to be mounted on 1x/2x and 1x/3x stereo heads when no additional lenses are used. When using additional lenses please contact Euromex for further assistance

AE.5248 Adapter for LE.5239, LE.5240, LE.1970 and LE.1971, to be mounted on 2x/4x stereo heads when no additional lenses are used. When using additional lenses please contact Euromex for further assistance

65.867 Adapter for LE.1863 to be mounted on a Novex RZ zoom stereo objective when using additional lenses

65.868 Adapter for LE.1863, LE.5239, LE.5240, LE.1970 and LE.1971 to be mounted on a Novex RZ zoom stereo objective when no additional lenses are used

65.869 Adapter for 65.863, LE.5239, LE.5240, LE.1970 and LE.1971 to be mounted on a Novex RZ zoom stereo objective when using additional lenses

#### Spare parts

SL.5194 Spare bulb 230 V, 30 Watt for LE.5192

SL.5198 Halogen bulb with reflector, 12V, 20 Watt for LE.5194

SL.5208 Halogen bulb with cold mirror 12 V, 20 Watt for LE.5109

SL.5219 Halogen bulb with cold mirror, 12 V, 100 Watt for LE.5210

SL.5230 Long life Halogen bulb, 12 V, 100 Watt for LE.5210

SL.5235 Halogen bulb, 15 V, 150 Watt for LE.5211

SL.5708 Fluorescent bulb for LE.1865

SL.1864 Spare bulb for LE.1861, LE.1862 and LE.1863

SL.1889 Spare bulb for LE.1860

50.878 Spare 7 W PL bulb for 50.879

AE.5227 Spare fuses 1 Amp, pack per 10 pieces



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