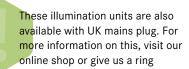


Ring illumination KERN OZB-IR

# Professional illumination units guarantee outstanding, uniform and strong illumination











OZB-A4571

OZB-A4572

OBB-A6102 OZB-A7101

#### **Features**

- Choose your favourite external illumination here to achieve maximum flexibility and greatest possible ease of use in stereo microscopy
- These professional illumination units provide a quality of light at a high, constant intensity at all times
- Regardless of whether your choice is space-saving ring lights or cold light sources using optical fiber, our range is all you can wish for
- With the OZB-A7101 polarisation ring illumination unit, you also have an excellent component which has been specially optimised for observing shiny surfaces
- Naturally, these external illumination units also fit your standard stereo microscope
- Exception: The ring illumination units cannot be used in combination with the following ranges: OSE-1, OSF-4G, OZL-45R, OZC-5 and OZG-4

Model	Illuminance	Inner Ø	Colour tempe- rature	Brightness adjustable	Illumination by segments	Polarising filter	
KERN		mm	K				
OZB-A4571	4W-LED	60	7000 - 11000	✓			
OZB-A4572	4W-LED	60	6500 - 7000	✓	✓		
OBB-A6102	4,5W-LED	63	approx. 7600	✓			
OZB-A7101	4,5W-LED	62	6500 – 7000	✓		✓	

✓ = Included with delivery

O = Option

## Fiber illumination KERN OZB-IF









Application example

#### **Features**

 With the OZB-A4516 20 W-LED goose neck illumination unit with focusable light beam, you can adjust the illumination to suit your needs. Spot or scattered radiation means that you can achieve the very best illumination of your sample.

Model	Description	Length	Illuminance	Colour temperature	Brightness adjustable	
KERN		mm		K		
OZB-A4515	Dual fiber LED unit	300	6W	5600 - 6300	✓	
OZB-A4516	Dual fibre LED cold light source	540	20W	6400	✓	



#### **Pictograms**



360° rotatable microscope head



Monocular Microscope

For the inspection with one eye



Binocular Microscope

For the inspection with both eyes



Trinocular Microscope

For the inspection with both eyes and the additional option for the connection of a camera



Abbe Condenser

With high numerical aperture for the concentration and the focusing of light



Halogen illumination

For pictures bright and rich in contrast



LED illumination

Cold, energy-saving and especially long-life illumination



Incident illumination

For non-transparent objects



Transmitting illumination

For transparent objects



Fluorescence illumination

For stereomicroscopes



Fluorescence illumination

for compound microscopes

With 100W mercury lamp and filter



Fluorescence illumination for compound microscopes

With 3 W LED illumination and filter



Phase contrast unit For a higher contrast



Darkfield condenser/unit

For a higher contrast due to indirect illumination



Polarising unit

To polarise the light



Infinity system

Infinity corrected optical system



Zoom magnification For stereomicroscopes



**Auto-focus** 

For automatic control of the focus level



Parallel optical system

For stereomicroscopes, enables fatigue-proof working



Integrated scale

In the eyepiece



SD card





USB 2.0 digital camera



LWD

For direct transmitting of the picture to a PC



USB 3.0 digital camera

For direct transmitting of the picture to a PC



WLAN data interface

For transmitting of the picture to a mobile display device



HDMI digital camera

For direct transmitting of the picture to a display



PC software

To transfer the measurements from the device to a PC



Automatic temperature compesation

For measurements between 10 °C and 30 °C



Protection against dust and water splashes

IPxx: The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013



**Battery operation** 

Ready for battery operation. The battery type is specified for each device.



**Battery operation rechargeable** 

Prepared for a rechargeable battery operation



Plug-in power supply

230V/50Hz in standard version for EU. On request GB, AUS or USA version.



Integrated power supply unit

Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.



Package shipment

The time required to manufacture the product internally is shown in days in the pictogram.

## **Abbreviations**

Adapter for the connection of a C-Mount

Frames per second

camera to a trinocular microscope

SWF

Super Wide Field (Field number at least Ø 23 mm for 10× eyepiece)

N.A. Numerical Aperture

Working Distance W.D.

H(S)WF

**FPS** 

High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)

SLR camera Single-Lens Reflex camera

Long Working Distance

WF

Wide Field (Field number up to Ø 22 mm for 10× eyepiece)

### Your KERN specialist dealer: