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Operating instructions
Gooseneck illumination

KERN OZB-IF

OZB-A4515

Version 1.1
03/2025



EN

KERN OZB-A4515

Version 1.1 03/2025

Operating instructions
Gooseneck illumination

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1 Declaration of conformity

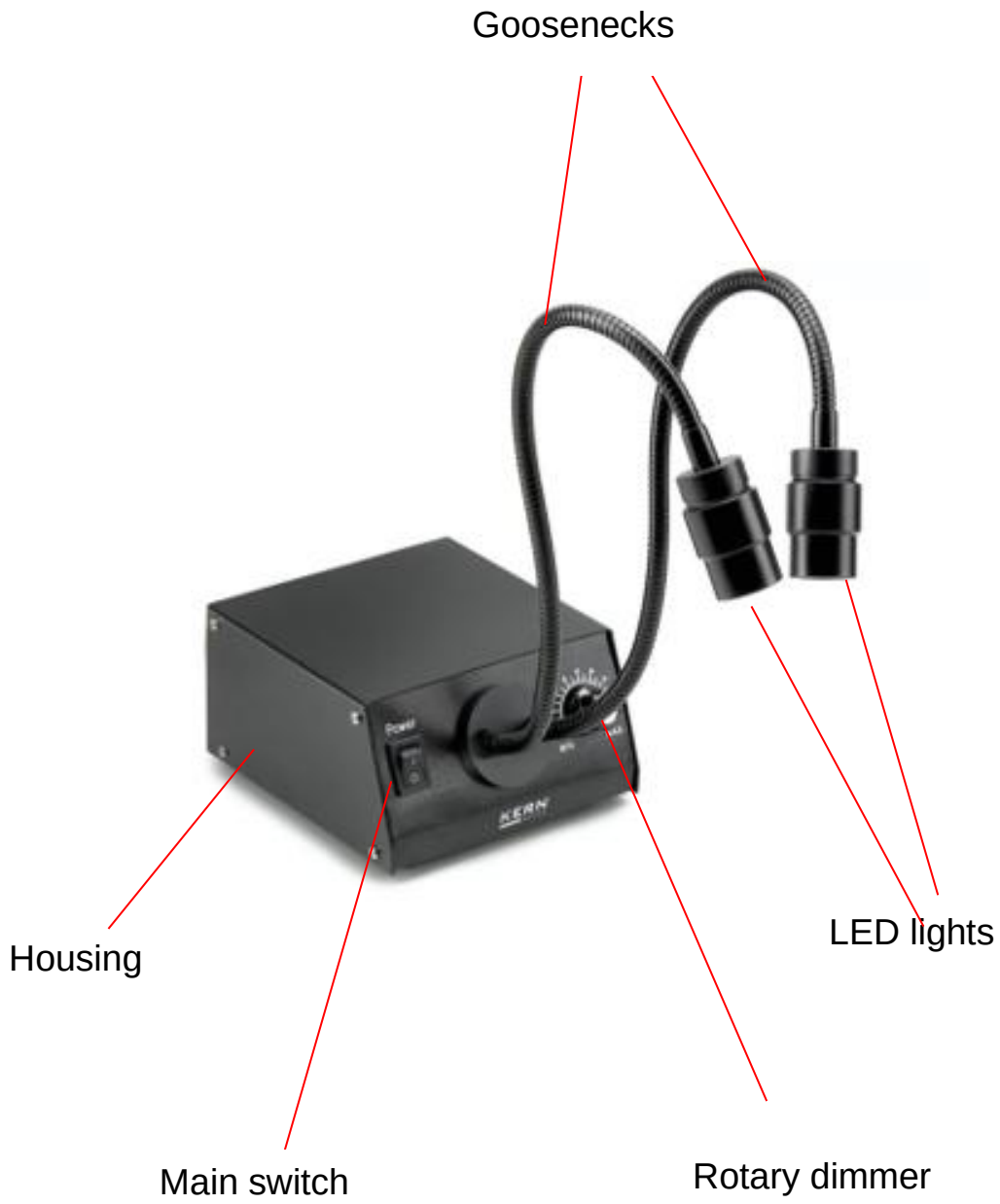
The current EC/EU Declaration of Conformity can be found online at:

https://www.kern-sohn.com/shop/de/DOWNLOADS/

2 Technical data

Core model	**OZB-A4515**	
Item number/type	TOZB-A4515EU-A	TOZB-A4515UK-A
Description	Double gooseneck LED dimmable	
Length	300 mm	
Optical system	Infinity	
Illuminance	6 W	
Color temperature	5600 - 6300K	
Type of lighting	LED	
Dimensions (WxDxH)	120x370x250 mm	
Input voltage power supply / current [Max]	AC 100-240V, 50-60Hz	
Input voltage device / current [Max]	7.5 V, 1A	
Plug-in power supply type	Plug-in power supply	
Packaging dimensions	300x250x250 mm	
Net weight	1.5 kg	
Gross weight	2 kg	

3 Nomenclature



4 Basic information (general)

4.1 General information on warnings

Warnings are used in these operating instructions to warn you of possible personal injury or damage to property in certain situations.

Signal word	Description
DANGER	Failure to observe the instructions will lead directly to serious injury, permanent impairment (e.g. loss of a limb) or death of the user or third parties
WARNING	Failure to observe the instructions may result in serious injury, permanent impairment (e.g. loss of a limb) or death of the user or third parties
CAUTION	Failure to observe the instructions may result in minor injuries or temporary damage to the user or third parties (e.g. minor cuts)
NOTE	Failure to observe the instructions may result in damage to property

Symbols in warning notices:

Icon	Meaning
Warnings	Warning signs warn you of dangers that could lead to injury. The symbol indicates the type of danger.
	Indicates general hazards or a danger point
	Warning of electrical voltage
	Warning of explosive substances
	Warning of optical radiation

Icon	Meaning
Commandment sign	Mandatory signs prescribe measures that you must take to avoid personal injury or damage to property. The symbol indicates the necessary actions or objects to prevent damage.
	Indicates a prescribed action

4.2 Intended use

The OZB-A4515 is a professional lighting unit for optimum illumination of your sample.

4.3 Improper use

Do not use the device in potentially explosive atmospheres or for measurements in liquids or on live parts.
Unauthorized structural changes, additions and conversions to the appliance are prohibited.

4.4 Warranty

The guarantee expires in the event of

- Non-compliance with our specifications in the operating instructions
- Use outside the described applications
- Changing or opening the device
- Mechanical damage and damage caused by media, liquids, natural wear and tear
- Improper set-up or electrical installation
- Improper assembly or electrical installation

5 Basic warnings and safety instructions

5.1 Observe the notes in the operating instructions



Read the operating instructions carefully before commissioning/using the device, even if you already have experience with KERN devices. Always keep the instructions in the immediate vicinity of the appliance.

5.2 Staff training

The appliance may only be used by persons who have read and understood the operating instructions, in particular the chapter on safety.

5.3 Security

⚠ WARNING	
	**Read all safety information and instructions.** Failure to observe the safety information and instructions may result in electric shock, fire and/or serious injury**.** **Keep all safety information and instructions for future reference.** ● The design of the device must not be modified. This can lead to incorrect measurement results, safety defects and destruction of the device ● Do not operate the appliance in potentially explosive rooms or areas and do not install it there. ● Do not operate the device in an aggressive atmosphere. ● Do not immerse the appliance in water. Ensure that no liquids penetrate the inside of the device. The device may only be used in a dry environment and under no circumstances in rain or relative humidity above the operating conditions. ● Protect the device from permanent direct sunlight. ● Do not expose the appliance to strong vibrations. ● Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in a legible condition ● Do not open the device ● The lamp generates a lot of heat during operation. Avoid touching the lamp housing during operation and for some time afterwards. ● Do not operate the device in an aggressive atmosphere

⚠ WARNING



Risk of injury due to electric shock!
● Risk of short circuit due to liquids entering the housing!
● Do not immerse the appliance or accessories in water. Make sure that no water or other liquids get into the housing.
● Work on electrical components may only be carried out by an authorized specialist company!
● Take care not to twist or kink the mains cable.
● Only use the original adapter supplied

⚠ WARNING



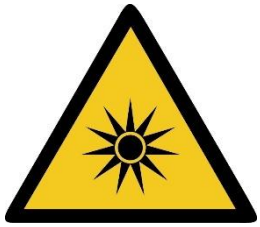
Choking hazard!
Do not leave the packaging material lying around carelessly. It could become a dangerous toy for children.
● The appliance is not a toy and does not belong in the hands of children.
● This appliance can be dangerous if it is used improperly or not as intended by untrained persons! Observe the personnel qualifications!

⚠ WARNING



Electrostatic sensitive device!
● The device can be destroyed by electrostatic discharges. Connectors for HF signals are particularly at risk.
● Please observe the handling instructions for electrostatically sensitive components.

⚠ WARNING



There is a risk from optical radiation!
Gas discharge lamps, LED lights and other white light sources generate intense optical radiation, including UV (ultraviolet), visible light (VIS) and IR (infrared). This radiation can cause both skin and eye damage. The extent of the damage is determined by the wavelength, the duration of exposure and the operating mode (continuous or pulsed).
● Do not expose eyes and skin to radiation.
● Do not insert any reflective objects into the beam entrance.
● If necessary, use the appropriate protective equipment/protective clothing.
● Never remove the cover or cladding during operation.

CAUTION

Keep a sufficient distance from heat sources.
Do not use the device in environments with high humidity or water mist

NOTE

● To avoid damaging the device, do not expose it to extreme temperatures, extreme humidity or moisture.
● Do not use abrasive cleaners, scouring agents or solvents to clean the appliance.

5.4 Notes on the electrical system

Before connecting the device to the mains, you must ensure that you are using the correct input voltage. The information for selecting the correct mains cable can be found on the device, on the back of the product directly above the connection socket. It is essential that you follow this information. If you do not adhere to these instructions, this may result in fire or other damage to the appliance.

The main switch must also be switched off before the mains cable is connected. In this way, you avoid triggering an electric shock.

If you are using an extension cable, the mains cable you are using must be earthed. Only carry out work that comes into contact with the electrical system of the appliance when it is de-energized.

5.5 Storage

Avoid exposing the device to direct sunlight, high or low temperatures, vibrations, dust and high humidity.

The suitable temperature range is 0 - 40° C and a relative humidity of 85 % should not be exceeded.

The appliance should always be placed on a firm, smooth and horizontal surface.

Packaging / return transportation

Returns are only possible within the framework of the General Terms and Conditions
Keep all parts of the original packaging for any necessary return transportation.

- Only the original packaging may be used for return transportation.
- Disconnect all connected cables and loose/movable parts before shipping.
- Reattach any existing transport locks.
- Secure all parts against slipping and damage.

6 Unpacking and commissioning

6.1 Unpacking

! In the event of a return shipment, please observe the instructions in the chapter "Packaging/return transportation

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On receipt of the device, please check in advance whether there is any damage caused during transportation and whether the outer packaging, the housing, other parts or even the device itself are damaged. If any damage is apparent, please notify KERN & Sohn GmbH immediately.

7 Operation

1. Plug the mains adapter into the device, then connect the mains adapter to the power supply.

2. Switch on the appliance using the main switch.

3. Bend the flexible goosenecks accordingly to bring the LED lights into the preferred position.

4. Use the rotary dimmer to set the preferred light intensity.

8 Lamp replacement

Please contact the KERN Optics service department.

9 Service

If, despite studying these operating instructions, you still have questions about commissioning or operation, or if, contrary to expectations, a problem should occur, please contact your specialist dealer. The device may only be opened by trained service technicians authorized by KERN.

10 Power supply

10.1 Mains connection



The appliance may only be connected to the mains if the information on the appliance (sticker) and the local mains voltage are identical.



Important:

- Check the mains cable for damage before commissioning
- Ensure that the power supply unit does not come into contact with liquids
- The mains plug must be accessible at all times.

10.2 Waste disposal



Old appliances and accessories must not be disposed of with household waste.

The operator must dispose of the packaging and the device at the place of use in accordance with the applicable national or regional legislation The device consists of various components and materials, such as

- Electronic components (printed circuit boards, electrical cables
- Plastic (housing)
- Metal

Improper disposal of the appliance can have harmful effects on people and the environment.

Proper and environmentally friendly disposal can prevent harmful effects and recover raw materials.

11 Further information

The illustrations may differ slightly from the product.

The descriptions and illustrations in these operating instructions are subject to change without notice. Further developments to the device may result in such changes.



All language versions include a non-binding translation. The original German document is binding.