HENSEL PERFORMING LIGHT VISIT INDUSTRIAL LIGHT

Compact flash
Certo 200
Certo 400

User manual

Translation of the original German user manual
Doc. no. 900.0523.01
Version: 11/2018

Contents

Information about this manual and about the manufacturer

This manual helps you to safely use the "Certo 200" and "Certo 400" devices. The "Certo 200" and "Certo 400" devices are hereafter called "device" for short.

Keeping this manual on hand

This manual is part of the device.

- ➢ Always keep this manual together with the device.
- ➢ Provide this manual when selling the device or passing it on in another manner.

Design features in the text

Various elements of this manual are provided with specific design features. This allows you to easily differentiate between the following elements:

Normal text

- ➢ Action
- • Bullet points

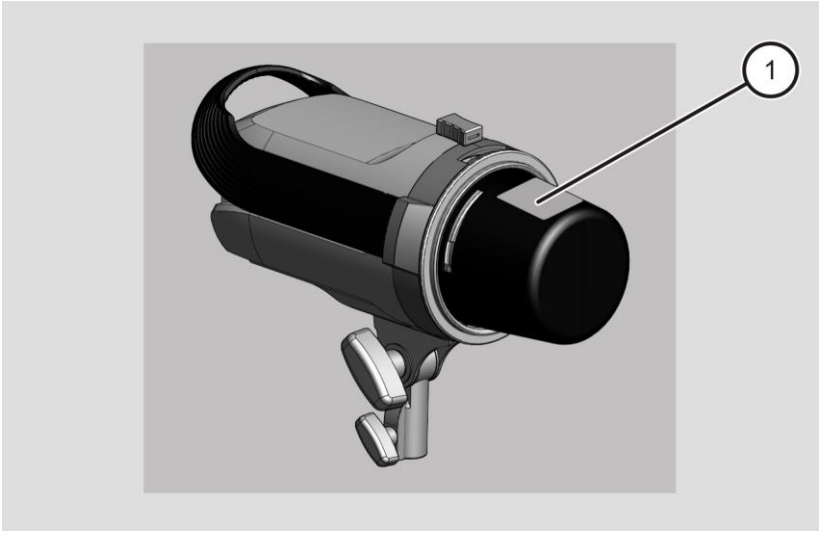
CONTROLS

Cross-references (see page)

ⓘ Tips contain additional information, e.g. special information on the device.

Design features in the figures

If elements are referred to in a key or in the body text, then they are provided with a number (1).



Copyright

Manufacturer's address

Hensel-Visit GmbH & Co. KG
Robert-Bunsen-Str. 3
97076 Würzburg
Phone: +49-931-27881-0
Fax: +49-931-27881-50
E-mail: info@hensel.de
URL: www.hensel.de

Safety

The device has been built according to state-of-the-art technology and recognized safety-related regulations. During work with and on the device, however, residual risk remains, which could present a danger to life and limb. For this reason, the following safety information is to be observed and followed.

Intended use

The device is used for illuminating photographs indoors.

Intended use also includes reading and understanding this manual, as well as observing and following all information in this manual, especially the safety information. In addition, the safety information and all other information in the instructions of the cameras used and of the radio remote trigger are to be observed. Any other use is expressly considered not to be intended use and leads to the voiding of warranty and liability claims.

Fundamental safety information

Prevention of serious injuries or death from explosions

The device is not explosion-protected. When the flash tube is triggered, sparks might arise, which could lead to an explosion. Serious injury or death can result.

- Do not use the device in explosive atmospheres.

Prevention of serious injuries or death from electric shock

Improper work on the device can lead to an electric shock.

- Only connect the device to a power mains with an intact protective contactor.
- Only use plugs with contacts in perfect condition.
- Protect the device from moisture.
- Never use a wet device.
- Do not open the housing.
- Where possible, avoid laying the cable on the ground. If laying on the ground cannot be avoided, make sure the cables are not damaged by vehicles or ladders.

- Check the device annually for operating safety (see the maintenance schedule on page 45).
- Regularly clean the outside of the device with a dry cloth.
- Have damaged cables and the device replaced immediately by the authorized Customer Service only.

Prevention of serious injuries due to fire

When the flash tube is triggered, sparks might arise, which could lead to fire. Serious injuries can result.

- Do not use the device in the vicinity of flammable materials such as decorative materials, paper, etc.
- Do not store flammable materials such as decorative materials, paper, etc. in the vicinity of the device.

Prevention of serious skin and eye injuries

Triggering a flash in the direct vicinity of the eyes can result in skin and eye injuries.

- Observe the required minimum distance for the type of light shaping tool and flash intensity.
- Do not look into the light shaping tool in case the flash is triggered accidentally.
- In case of skin or eye injuries, consult a doctor immediately.

Prevention of the risk of burns

Heat is generated during the operation of the device. This heat can heat up the flash tube, model light, protection glass and light shaping tool, resulting in burns in case of contact with the skin.

- Always handle the device with gloves according to EN 407 during operation.
- Always let the device cool down for 5 to 10 minutes before mounting or removing components.

Prevention of ozone formation

When using the device in enclosed spaces, ozone can form.

- To prevent an increased ozone concentration, vent enclosed spaces regularly.

Prevention of equipment damage and malfunctions

Prevention of equipment damage due to fogging

Fogging can occur due to a sudden temperature change, e.g. in a new environment.

- Always let the device acclimatize before use in a new environment.

Prevention of equipment damage due to rain, vapors, frost, heat, humidity and dust

Rain, vapors, frost, heat, humidity and dust can damage the device.

- Protect the device against dripping and spraying water (e.g. rain) or vapors.
- Protect the device against frost, heat and high humidity.
- Do not place containers of liquids on the device.
- Make sure that neither the device nor its components are standing or lying on wet ground.
- Do not store the device in locations exposed to heat or moisture.
- Cover the device with suitable dust protection when it is not in operation.

Prevention of equipment damage when using external products

The use of the device in combination with external products can lead to equipment damage.

- Use the device only with accessories and original spare parts recommended by the manufacturer.

Malfunctions due to electromagnetic radio signals

The device transmits and receives electromagnetic radiation in a frequency range from 2.3995 to 2.4745 GHz according to IEEE 802.11 n. The maximum transmission power is 100 mW. The power, range and reliability can be impaired by other radio systems or the device can cause interference in other radio systems, such as radio telephones (cell phones, cordless telephones), Wi-Fi routers, radio and TV stations or medical devices.

- Before using the device in sensitive environments, such as hospitals, make sure that use is permitted there.

Design features of warning notices

This user manual contains the following safety information:

DANGER	
	Notices with the word DANGER warn about a dangerous situation that could lead to death or serious injuries.

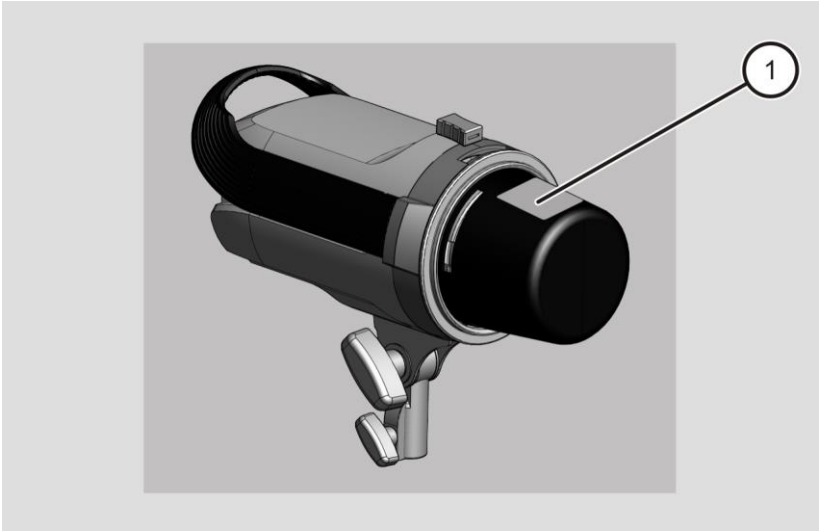
WARNING	
	Messages with the word WARNING warn about a dangerous situation that could lead to death or serious injuries.

CAUTION	
	Notices with the word CAUTION warn about a situation that could lead to light or medium-scale injuries.

Design features of equipment or property damage information

IMPORTANT!	
	This information warns against a situation that can lead to equipment or property damage.

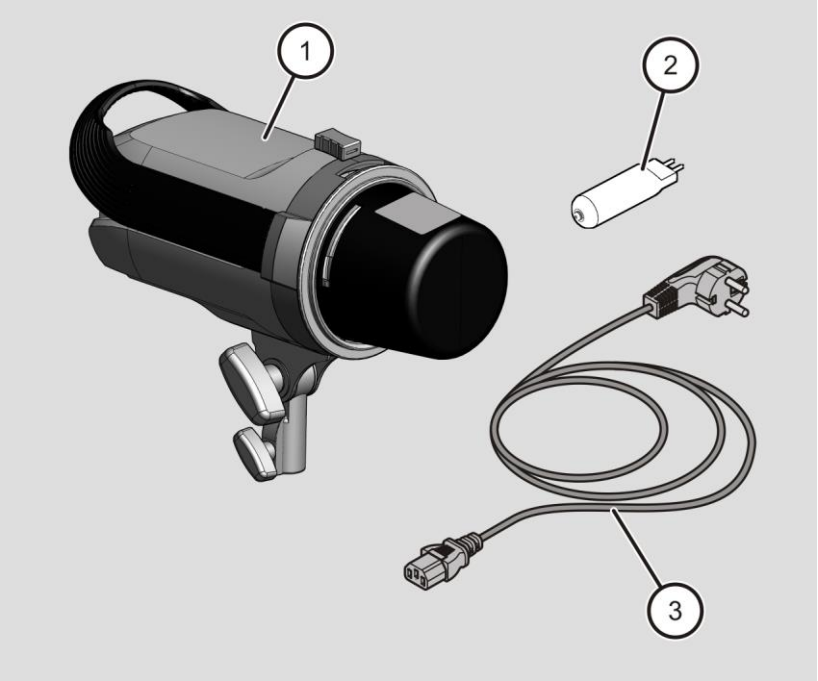
Warning and information sign



No.	Explanation
1	Remove the transport cap before commissioning

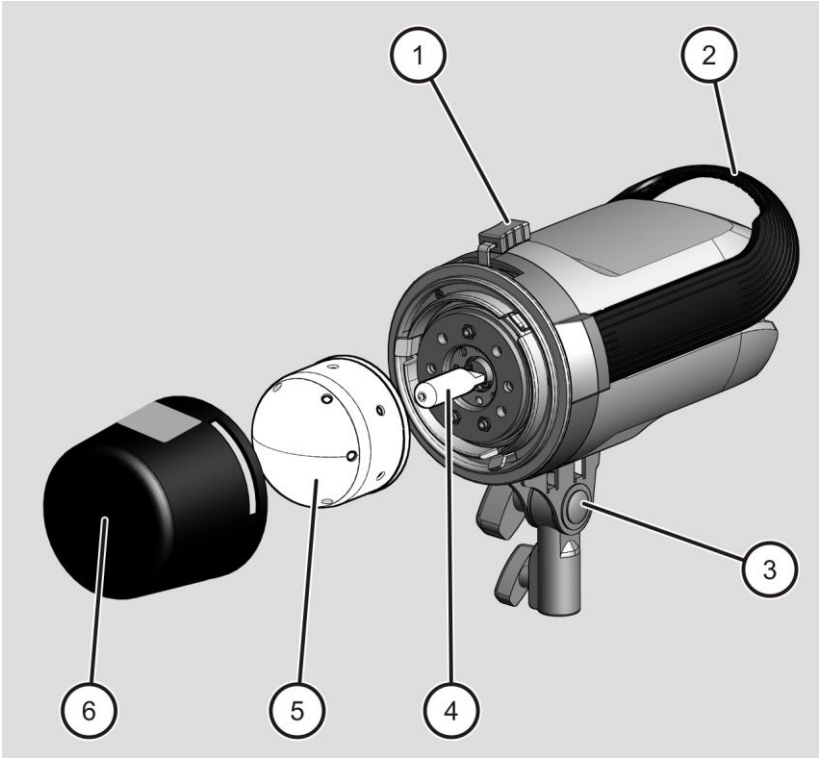
Description

Overview of scope of delivery



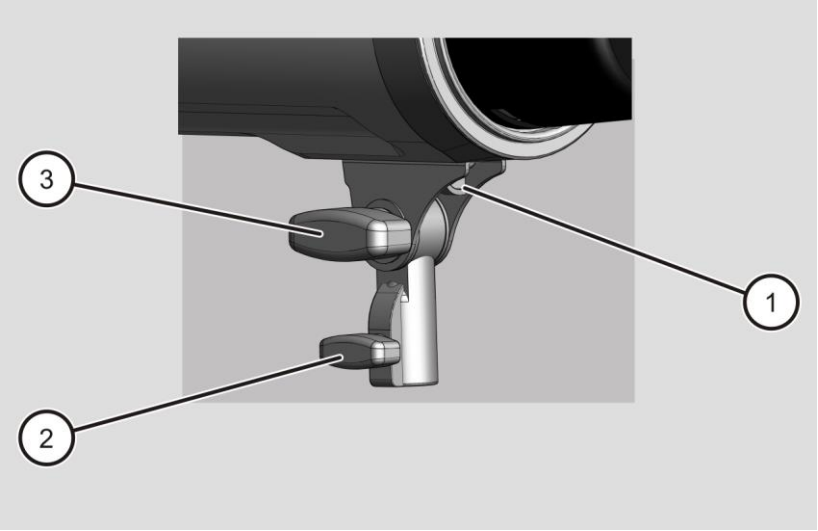
No.	Designation
1	Device
2	Illuminant for the model light (packed separately)
3	Mains cable (country-specific, shown as an example)
-	Tool for setting the radio channels Two replacement fuses for the model light (not shown)

Overview of device



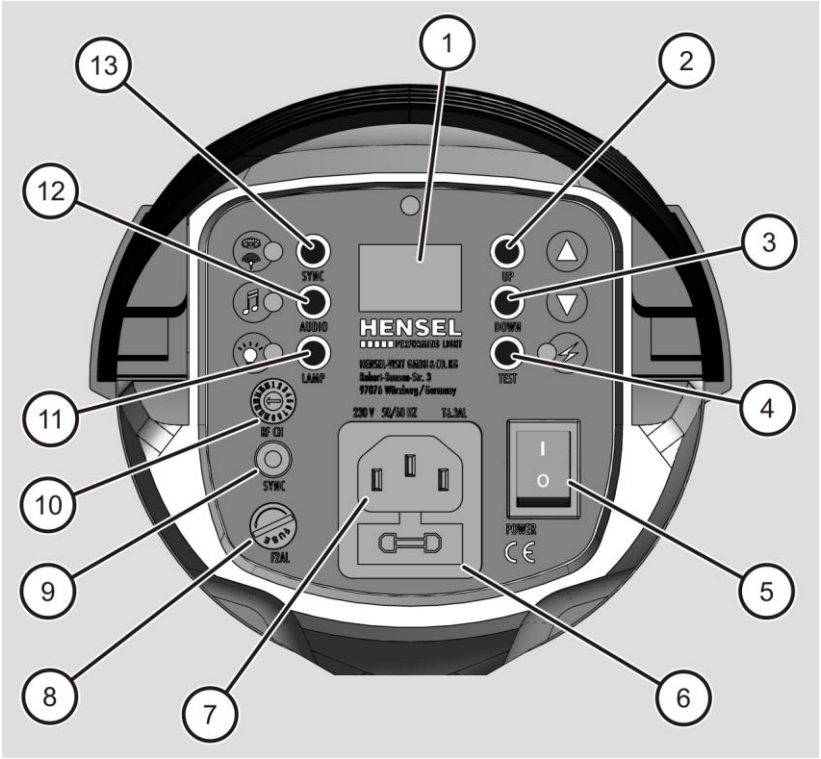
No.	Designation
1	Lock of the holder for the light shaping tool and transport cap
2	Handle
3	Swivel head
4	Illuminant for the model light
5	Flash tube with protection glass
6	Transport cap

Overview of swivel head



No.	Designation
1	Umbrella holder
2	Hand screw for stand adapter
3	Hand screw for tilting the device on a stand

Overview of controls



No.	Designation
1	Display for the indication of flash energy and flash counter
2	UP: Increase flash energy
3	DOWN: Decrease flash energy
4	TEST: Manual triggering of flash
5	Main switch
6	Fuse holder for mains connection
7	Mains socket
8	Fuse holder for model light

No.	Designation
9	Sync socket
10	RF CH: Switch radio channels on and off
11	LAMP: Activating and deactivating the model light in “Full” and “Prop” modes
12	AUDIO: Signal tone for activation and deactivation of flash readiness
13	SYNC: Activation and deactivation of photo cell and radio receiver

LED displays are located next to the buttons on the display. They light up when the buttons are activated.

Task and function

The device is used for illuminating photographs indoors. It can be used on a stand.

The device has a bright and proportionally adjustable model light.

Synchronization with the camera takes place using a sync cord, the built-in photo cell or the built-in radio receiver. Using the jack plug, the device is connected to the camera through the sync socket. The flash is triggered through the photo cell by the striking of a flash emitted by another device. With the optionally available radio remote trigger, the camera and flash can be synchronized via radio triggering.

Type plate

The type plate is attached to the housing. You will find the following information on the type plate:

- Manufacturer name
- Name of the model
- Code number
- CE marking
- Symbol for environmentally sound disposal
- Country of manufacturing

Technical data

Device type	Certo 200 110 V	Certo 200 230 V	Certo 400 110 V	Certo 400 230 V
Article number	880801	8808	880901	8809
Power range	3–200 Ws (7 f-stop increments)		12-400 Ws (6 f-stop increments)	
Power settings	1/10 f-stop			
Minimum flash duration	200 Ws		400 Ws	
Flash durations (t 0.5)	1/3400 s to 1/1600 s		1/2500 s to 1/1100 s	
Flash recycling times	0.4 s to 1.1 s	0.4 s to 1.06 s	0.52 s to 1.47 s	0.5 s to 1.1 s
Power display	Relative f-stop increments or watt seconds (Ws)			
Color temperature	5500 K (+/-4%)			
Weight	Approx. 1.75 kg		1.81 kg	
Dimensions W x H x D in mm	135 x 170 x 280		135 x 170 x 280	
Protection glass	Clear			
Flash tube	Contained in the protection glass, can be exchanged together with the protection glass			
Model light	150 W (GX6.35/110 V), 150 W (GX6.35/230 V)			
Model light regulation	Off, Full, Proportional			
Synchronization	Through the sync socket, photo cell or built-in radio receiver			

Device type	Certo 200 110 V	Certo 200 230 V	Certo 400 110 V	Certo 400 230 V
Sync socket/voltage	3.5 mm jack, 5 V DC			
Fuses for the model light and mains connection	F 2 AL, T 6,3 AL			
Mains connection	110 V/50–60Hz		230 V/50–60Hz	
Mains voltage	110-120 V		220-240 V	
Connection for light shaping tool	reflector quick-change for EH (10 cm)			
Radio synchronization	2.4 GHz, 16 radio channels (compatible with Cactus® transmitters)			
Fan	Built-in			
Display	For flash energy (in f-stop increments or watt seconds)			
Subject to technical change. The specified data constitutes typical values that can be subject to fluctuations due to the tolerances of the components used.				

Unpacking the device and checking the scope of delivery

- Remove the product from the packaging.
- Keep the original packaging in case you need to return the product to Customer Service.
- Check the scope of delivery for correctness and completeness (see page 13).
- Make sure all parts are undamaged.
- In case of deviations, contact the manufacturer and/or dealer immediately.

Commissioning the device

To commission the device, proceed as follows:

- Remove the transport cap (see page 24).
- Dismantle the flash tube with protection glass (see page 26).
- Install the illuminant for the model light (see page 27).
- Mount the flash tube with protection glass (see page 26).
- Mount the light shaping tool (see page 29).
- Connect the mains cable (see page 31).
- Turn on the device at the main switch (see page 36).
- Trigger a test flash (see page 36).
- Check the function of the model light (see page 37).

Mounting and removing components of the device

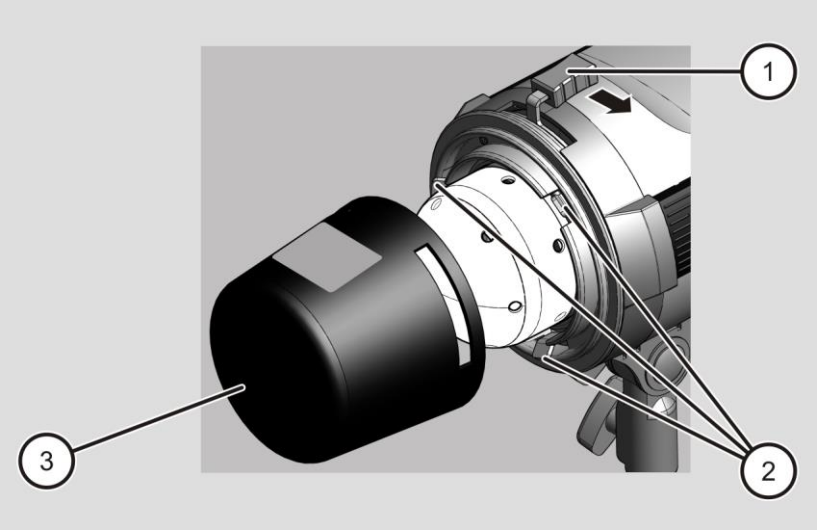
IMPORTANT!	
	The device can be damaged if external products are used. ➢ Use only original spare parts and accessories from the manufacturer.

Removing and installing the transport cap

⚠ WARNING	
	Heat is generated during the operation of the device, which can lead to a fire if the transport cap is in place. ➢ Always remove the transport cap before use.

To remove the transport cap from the device, proceed as follows:

- ➢ Hold the transport cap firmly.
- ➢ Press the lock on the device (1) against the spring force to the limit stop.
- ➢ Remove the transport cap (3).
- ➢ Guide the lock (1) into the starting position using the spring force.



To install the transport cap, proceed as follows:

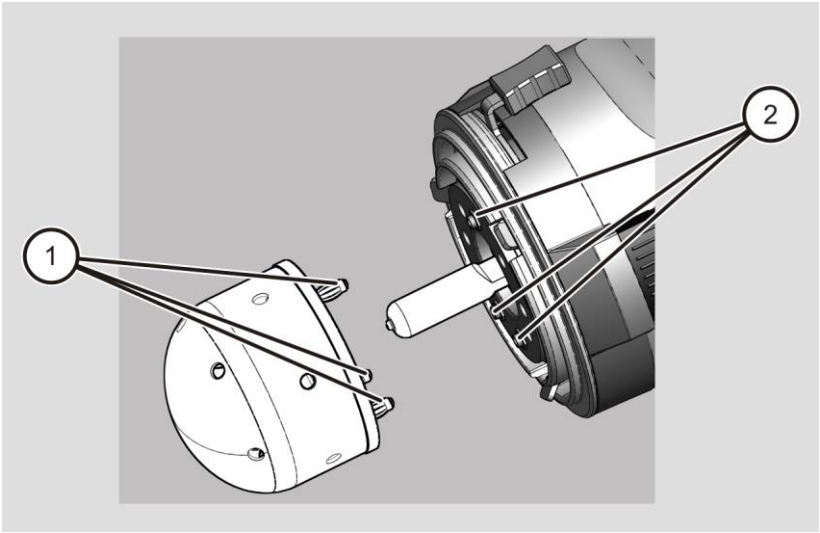
- Press the lock (1) against the spring force to the limit stop.
- Place the transport cap (3) on the device in such a manner that the three mounting claws (2) are inside the transport cap (3) and engage in the openings.
- Hold the transport cap (3) firmly while guiding the lock (1) into the starting position using the spring force.
- Make sure the transport cap (3) is seated correctly.

Installing and removing the flash tube with protection glass

⚠ WARNING	
	Heat is generated during the operation of the device. Touching the device at the front can lead to severe burns. ➢ Always let the device cool down for 5 to 10 minutes before mounting or removing components.

To install the flash tube with protection glass (1), proceed as follows:

- ➢ Wear gloves according to EN 407.
- ➢ Insert the pins (1) of the protection glass into the bushings (2) and press the protection glass until it securely engages.



To remove the flash tube with protection glass (1), proceed as follows:

- ➢ Remove the pins (1) of the protection glass from the bushings (2) with a slight pull.

Installing and removing the illuminant of the model light

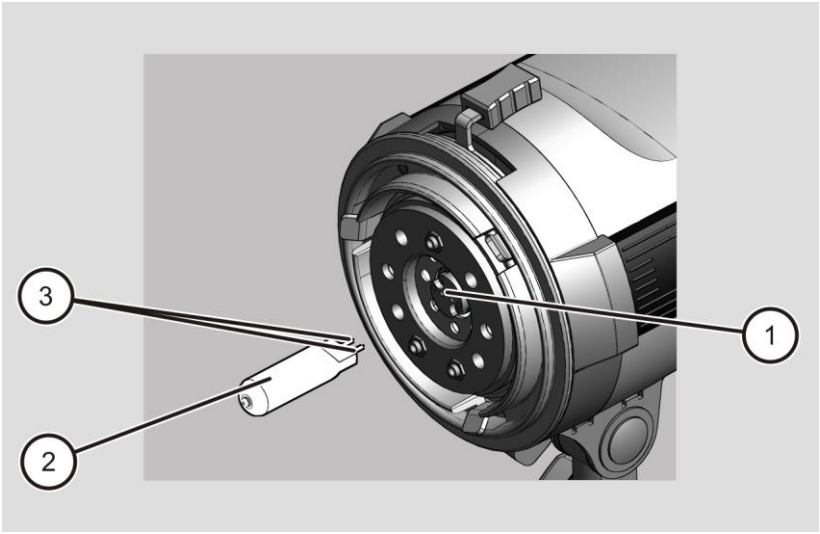
WARNING	
	Heat is generated during the operation of the device. Touching the device at the front can lead to severe burns. ➢ Always let the device cool down for 5 to 10 minutes before mounting or removing components.

IMPORTANT!	
	When replacing or touching glass components with bare hands, the glass bulb may become dirty and is therefore unusable. ➢ When touching or replacing the illuminant or flash tube, wear gloves according to EN 407. ➢ After touching these components, always wipe them off carefully.

To install the illuminant of the model light, proceed as follows:

- ➢ Make sure the device is switched off and disconnected from the mains.
- ➢ Remove the illuminant (2) from the packaging.
- ➢ Make sure the illuminant (2) of the model light corresponds with the local mains voltage.

- Make sure the glass body of the illuminant (2) is not defective.
- Insert the pins (3) of the illuminant into the base of the lamp socket (1).
- Press both pins (3) into the lamp socket to the limit stop.



To remove the illuminant from the device, proceed as follows:

- Pull the illuminant (2) carefully out of the base of the lamp socket (1).

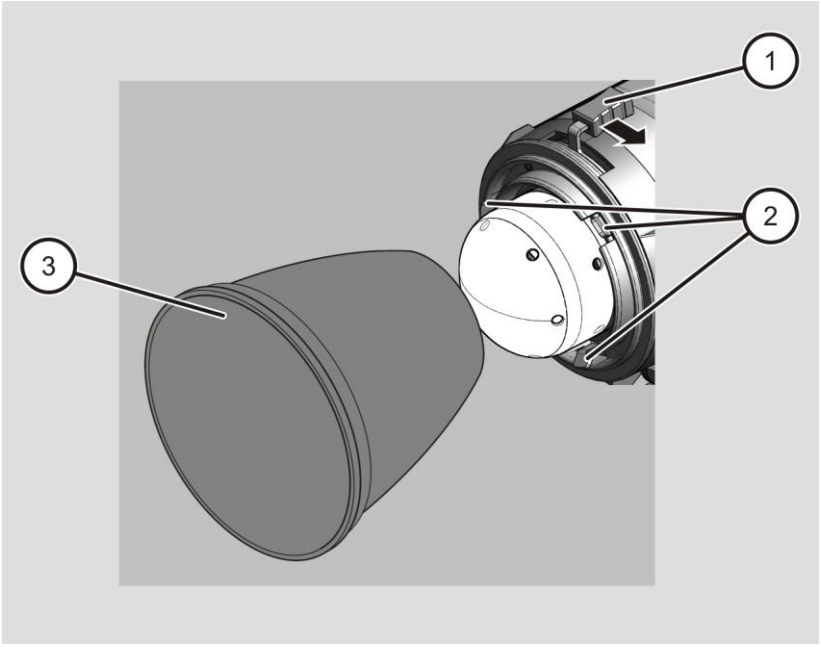
Mounting the light shaping tool on/removing it from the device

WARNING	
	Heat is generated during the operation of the device. Touching the device at the front can lead to severe burns. ➢ Always let the device cool down for 5 to 10 minutes before mounting or removing components.

IMPORTANT!	
	When mounting or removing the light shaping tool on and from the device, the protection glass can be damaged. ➢ Do not touch the protection glass with the light shaping tool. ➢ Make sure the device is held firmly when mounting and removing the light shaping tool. ➢ When mounting the light shaping tool, place it evenly onto the device. ➢ When mounting and removing the light shaping tool, hold it firmly with one hand.

To mount the light shaping tool onto the device, proceed as follows:

- Press the lock (1) against the spring force to the limit stop.
- Place the light shaping tool (3) on the device in such a manner that the three mounting claws (2) are inside the light shaping tool (3).
- Hold the light shaping tool (3) firmly while guiding the lock (1) into the starting position using the spring force.
- Make sure the light shaping tool (3) is seated correctly.



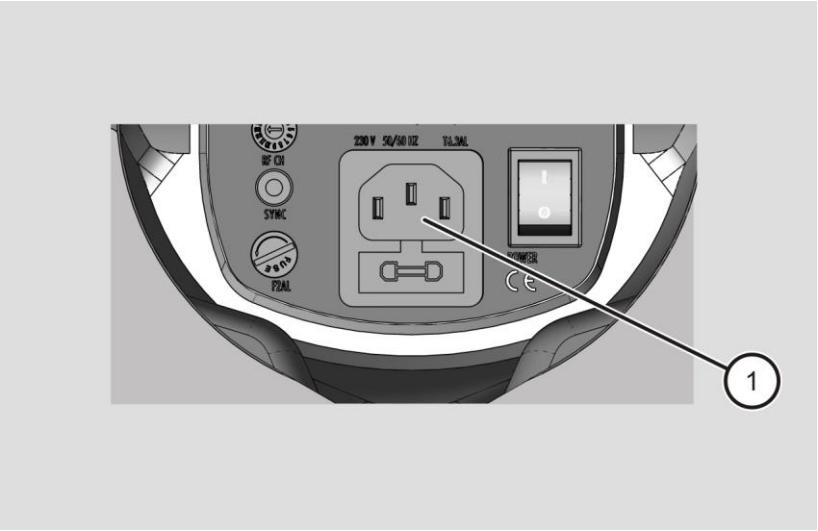
To remove the light shaping tool, proceed as follows:

- Hold the light shaping tool (3) firmly in one hand.
- With the other hand, press the lock (1) against the spring force to the limit stop.
- Remove the light shaping tool (3) from the device and set it aside.
- Guide the lock (1) into the starting position again using the spring force.

Connecting and disconnecting the mains cable

To connect the mains cable, proceed as follows:

- Insert the plug of the mains cable into the mains socket (1) of the device.
- Connect the mains cable to a mains socket.



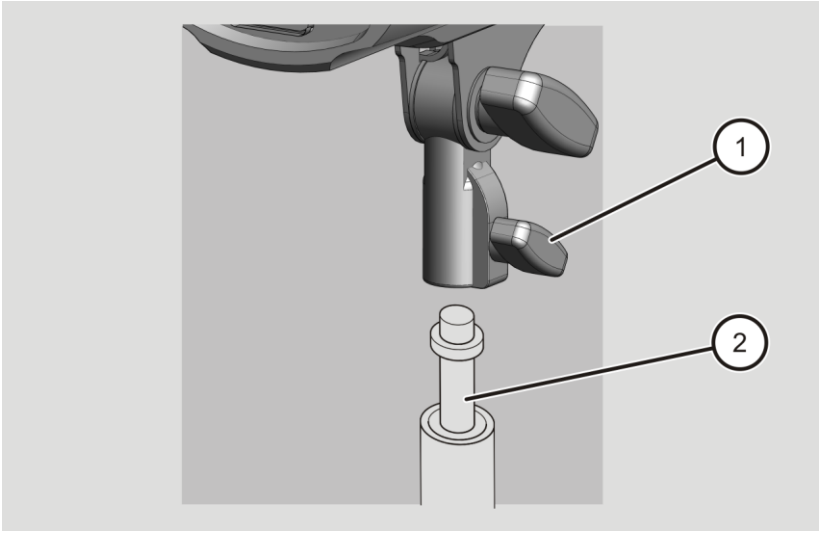
To remove the mains cable from the device, proceed as follows:

- Remove the mains cable from the mains socket.
- Remove the plug of the mains cable from the mains socket (1) of the device.

Mounting the device on/removing it from a stand

To mount the device on a stand, proceed as follows:

- Loosen the hand screw (1).
- Make sure that you do not completely unscrew the hand screw (1).
- Place the device on the stand (2) and tighten the hand screw (1).



To remove the device from the stand, proceed as follows:

- Loosen the hand screw (1).
- Remove the device from the stand (2).

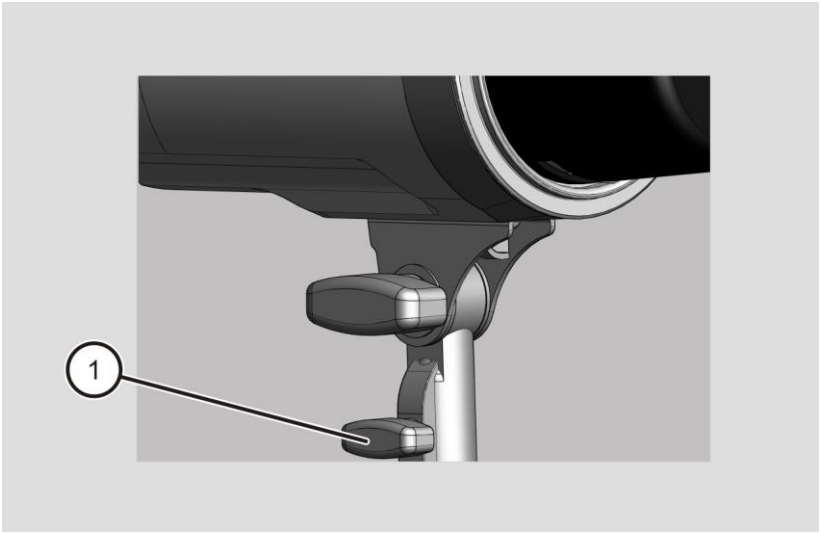
Rotating and tilting the device

⚠ CAUTION	
	Crushing injuries can occur when loosening the hand screw. ➢ To prevent twisting and tipping over, hold the device firmly with one hand while loosening the hand screw with the other.

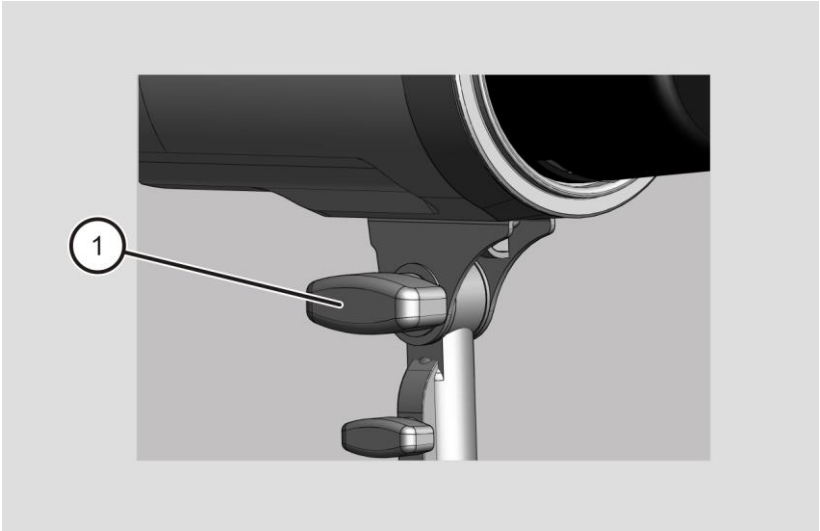
When mounting the device onto a stand, the device can be rotated horizontally by 360° and tilted vertically by approx. 180°.

➢ To rotate the device horizontally, loosen the hand screw (1).

➢ Rotate the device into the desired position and tighten the hand screw (1).



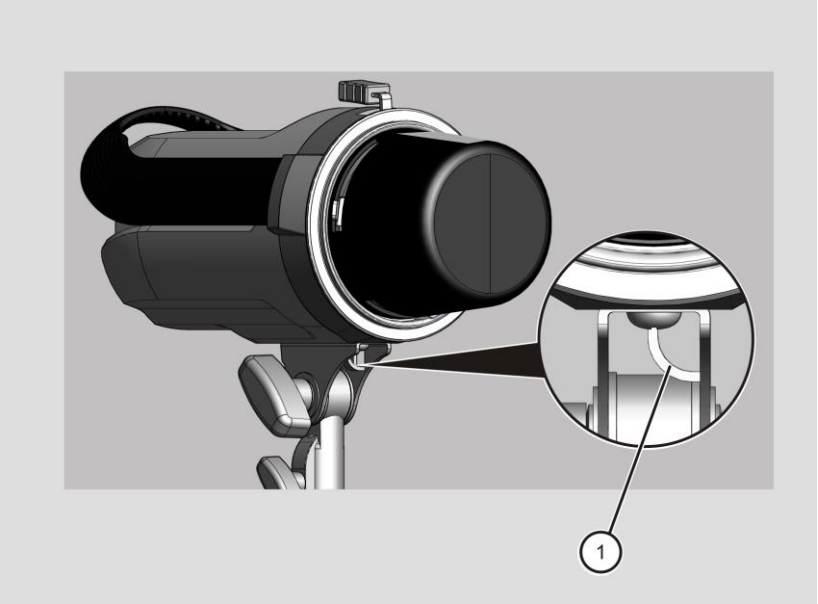
- To tilt the device vertically, loosen the hand screw (1).
- Pivot the device into the desired position and tighten the hand screw (1).



Mounting the umbrella on/removing it from the device

To mount the umbrella on the device, proceed as follows:

- Push the umbrella rod into the umbrella holder (1).
- Make sure the umbrella rod is firmly clamped in the umbrella holder (1).



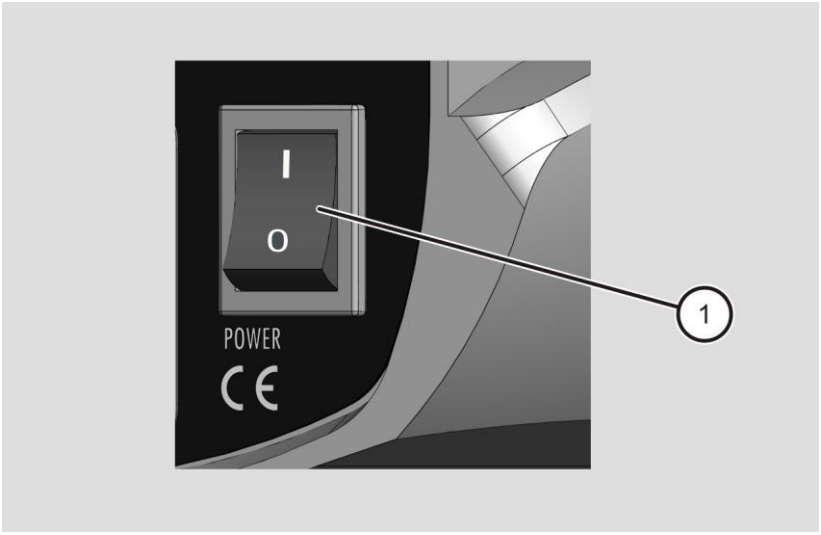
To remove the umbrella, proceed as follows:

- Hold the umbrella firmly with one hand.
- Pull the umbrella out of the umbrella holder (1).

Operating the device

Activating and deactivating the device

- Make sure the device is connected.
- To switch on the device, set the main switch (1) to the “I” position.
- To switch off the device, set the main switch (1) to the “0” position.



Triggering a test flash

To trigger a test flash, proceed as follows:

- Make sure the LED display next to the TEST button lights up green.
- Press the TEST button.

The device releases a flash.

Activating and deactivating the model light

“Prop” mode

To activate the model light in “Prop” mode, proceed as follows:

➢ Press the LAMP button.

The LED display next to the LAMP button lights up green. The brightness of the model light is proportional to the set flash energy.

To deactivate the model light in “Prop” mode, proceed as follows:

➢ Press the LAMP button twice.

The LED display next to the LAMP button goes out.

“Full” mode

To activate the model light in “Full” mode, proceed as follows:

➢ Press the LAMP button twice.

The LED display next to the LAMP button lights up red. The model light illuminates at maximum brightness, irrespective of the set flash energy.

To deactivate the model light in “Full” mode, proceed as follows:

➢ Press the LAMP button again.

The LED display next to the LAMP button goes out.

Checking the function of the model light

When the model light illuminates, the LED display next to the LAMP button lights up. If it does not light up, proceed as follows:

➢ Press the LAMP button.

The LED display next to the LAMP button lights up green.

➢ If the model light does not light up despite an illuminated LED display next to the LAMP button, check the illuminant and the fuse.

Setting the flash energy

The flash energy is set in steps from 5.1 to 10, which corresponds to 7 f-stops at the Certo 200 respectively 6 f-stops at the Certo 400. To set the flash energy, proceed as follows:

- To increase the flash energy in increments of 0.1 f-stops, press the UP button.
- To decrease the flash energy in increments of 0.1 f-stops, press the DOWN button.

When the flash energy is changed, the LED display next to the TEST button goes out until the selected flash energy is ready.

When the flash energy is reduced, the previously accumulated energy is released with a flash.

Displaying the flash energy in watt seconds (Ws)

The flash energy can also be displayed in watt seconds. To switch over to the display of watt seconds (Ws), proceed as follows:

- Press the UP and DOWN buttons and keep them pressed for 3 seconds.

Activating and deactivating the “Audio” function

With the “Audio” function, flash readiness after charging or after a reduction of the flash energy is indicated by an acoustic tone. To activate the “Audio” function, proceed as follows:

➢ Press the AUDIO button.

The LED display next to the AUDIO button lights up green.

To deactivate the “Audio” function, proceed as follows:

➢ Press the AUDIO button again.

The LED display next to the AUDIO button goes out.

Synchronizing the device with the camera

The device and the camera are synchronized using the following components:

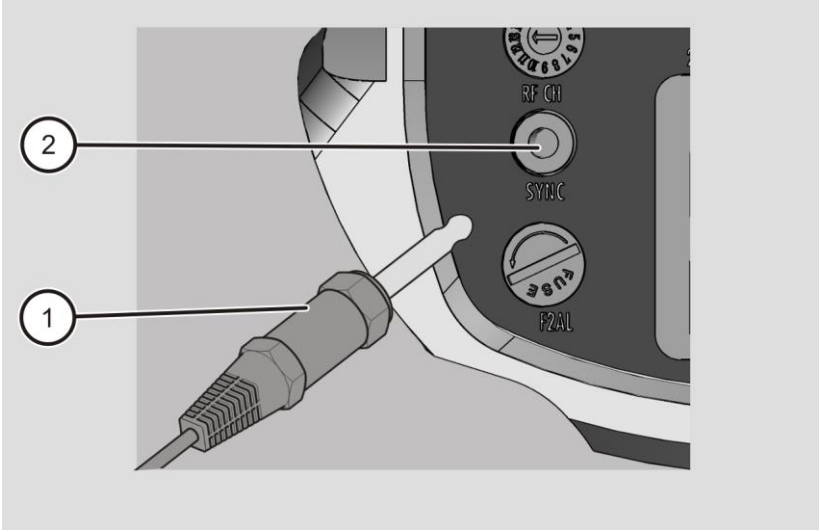
- sync cord
- built-in photo cell
- built-in radio receiver

Synchronizing the device using the cable

To connect the device to the camera, proceed as follows:

➢ Insert the jack plug of the sync cord (1) into the sync socket of the device (2).

➢ Connect the other end of the sync cord to the camera. Here, follow the user manual of the camera.



Radio remote trigger

The device has a built-in radio receiver. With the optionally available radio remote trigger, the camera and flash can be synchronized by radio. To activate the radio receiver, proceed as follows:

- Press the SYNC button.

The LED display next to the SYNC button lights up red. The radio receiver is activated.

- Now select the desired channel 1–16 on the RF CH switch with the provided tool.
- Ensure that this channel is also set on the transmitter.

To deactivate the radio receiver, proceed as follows:

- Press the SYNC button three times.

The LED display next to the SYNC button goes out. The radio receiver is deactivated.

Activating and deactivating the photo cell

To activate the photo cell, proceed as follows:

- Press the SYNC button twice.

The LED display next to the SYNC button lights up green. The photo cell is activated.

To deactivate the photo cell, proceed as follows:

- Press the SYNC button again twice.

The LED display next to the SYNC button goes out. The photo cell is deactivated.

ⓘ The flash is triggered through the photo cell by the striking of a flash emitted by another device. The photo cell functions as a pulse photo cell. It works only if the light output of the emitted flash is stronger than the available light. For this reason, you must ensure that excessively strong extraneous light does not affect the photo cell. In such cases, the flash must be triggered either using the sync cord or the radio remote trigger.

Activating and deactivating the radio remote trigger and photo cell

To activate the radio remote trigger and photo cell, proceed as follows:

- Press the SYNC button 3 times.

The LED display next to the SYNC button lights up orange. The radio receiver and photo cell are activated.

- Now select the desired channel 1–16 on the RF CH switch with the provided tool.
- Ensure that this channel is also set on the transmitter.

To deactivate the radio receiver and photo cell, proceed as follows:

- Press the SYNC button once.

The LED display next to the SYNC button goes out. The radio remote trigger and photo cell are deactivated.

Error messages

Problem	Possible cause(s)	Remedy
Device beeps and display shows “OH” – temperature error The model light turns off, the fan runs at maximum speed and the device does not release a flash.	High ambient - temperature at full model light, unsuitable light shaping tool, covered ventilation slots or defective fan.	➢ Keep the device switched on so that the fan can cool down the device. ➢ Make sure the ventilation slots are not covered. ➢ Make sure the fan is not defective.
Display for the indication of flash energy flashes.	The maximum recycling time has been exceeded, e.g. because the flash tube has an afterglow.	➢ Switch off the device immediately. ➢ Send the device to Customer Service.

Transporting and storing the device

To transport and store the device, proceed as follows:

- Remove the light shaping tool (see page 29).
- Position the transport cap in place (see page 24).
- Do not store the device in locations exposed to heat, moisture, frost or cold.
- Cover the device.

Servicing the device

Caring for and cleaning the device

WARNING	
	Heat is generated during the operation of the device. Touching the device at the front can lead to severe burns. ➢ Let the device cool down for 5 to 15 minutes before cleaning.

To guarantee electrical safety, the device must be cleaned regularly. To clean it, proceed as follows.

➢ Regularly clean the outside of the device with a dry cloth.

Regular inspection

National safety regulations – e.g. the Industrial Safety Act (BetrSichV) and DGUV Regulation 3 (formerly BGV A3) in Germany – demand the inspection and maintenance of electrical systems and equipment at regular intervals. The operating safety of devices and accessories must be checked regularly. An annual inspection of the devices should be carried out for the safety of the users and to retain the value of the system.

The regulations specified above (BetrSichV and DGUV Regulation 3 (formerly BGV A3)) apply to Germany; please observe the corresponding local regulations in your country.

Maintenance schedule

➢ Regularly clean the device as described in the “Caring for and cleaning the device” section above.

➢ Grease the thread of the hand screw for the stand adapter every 1-2 years.

Maintenance	Time period
Check the operating safety of the device	Every 12 months
Check the operating safety of accessories	Every 12 months

Exchanging the defective flash tube with protection glass

ⓘ The flash tube is located in the protection glass and must always be exchanged together with the protection glass.

⚠ DANGER	
	If the flash tube with protection glass is defective, the electrodes are exposed. Touching the flash tube may result in an electric shock. ➢ Switch off the device. ➢ Disconnect the device from the power mains. ➢ Before touching the defective flash tube with protection glass, wait for 6 hours to allow the capacitor voltage in the device to drop. ➢ If the flash tube with protection glass is broken, do not touch the electrodes under any circumstance. Always use pliers with protective insulation to remove the flash tube with protection glass.

To install the flash tube with protection glass, proceed as follows:

- ➢ Switch off the device at the main switch.
- ➢ Remove the mains cable (see page 31).
- ➢ Wait for 6 hours.
- ➢ Remove the light shaping tool (see page 29).
- ➢ Dismantle the flash tube with protection glass (see page 26).
- ➢ If necessary, remove all glass fragments of the flash tube with protection glass.
- ➢ Remove the new flash tube with protection glass from the packaging.
- ➢ Make sure the glass body of the new flash tube is not defective.
- ➢ Mount the flash tube with protection glass (see page 26).
- ➢ Mount the light shaping tool (see page 29).
- ➢ Connect the mains cable (see page 31).
- ➢ Switch on the device at the main switch.

Replacing a defective model light

⚠ WARNING

Heat is generated during the operation of the device.
Touching the device at the front can lead to severe burns.

- Always let the device cool down for 5 to 10 minutes before mounting or removing components.

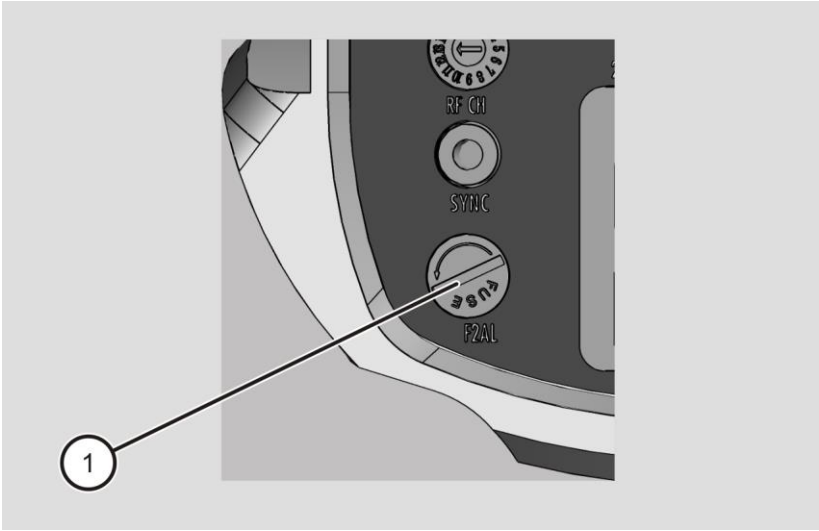
To replace a defective model light, proceed as follows:

- Switch off the device at the main switch.
- Remove the mains cable (see page 31).
- Remove the light shaping tool (see page 29).
- Dismantle the flash tube with protection glass (see page 26).
- Replace the model light (see page 27).
- Mount the flash tube with protection glass (see page 26).
- Mount the light shaping tool (see page 29).
- Connect the mains cable (see page 31).
- Switch on the device at the main switch.

Replacing a defective fuse of the model light

To replace the fuse of the model light, proceed as follows:

- Switch off the device at the main switch.
- Remove the mains cable (see page 31).
- Turn the fuse holder (1) counterclockwise to the limit stop using a screwdriver.
- Remove the fuse holder (1)
- Insert a new spare fuse into the fuse holder (1).
- Insert the fuse holder (1).

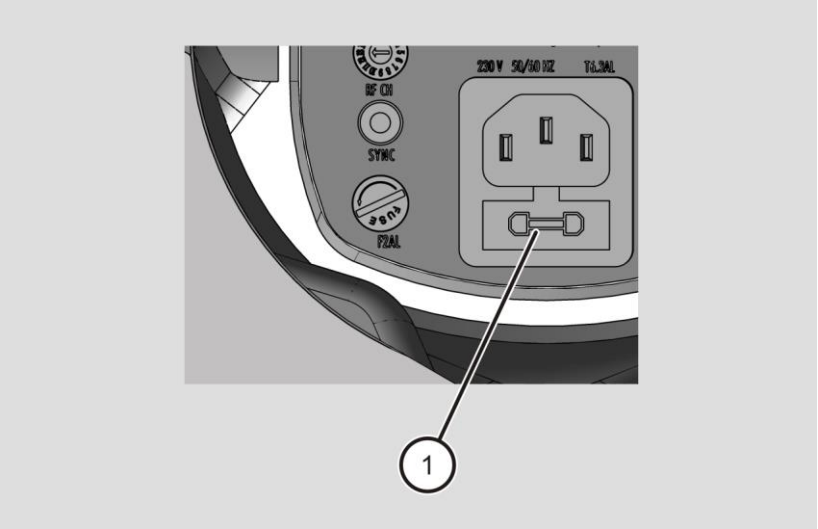


Replacing a defective fuse of the mains connection

To replace the fuse of the mains connection, proceed as follows:

- Switch off the device at the main switch.
- Remove the mains cable (see page 31).
- Open the fuse holder (1) with a small screwdriver or similar tool and pull it out.

The fuse holder (1) contains two fuses: the blown fuse and the spare fuse.



- Remove the blown fuse.
- Insert a new spare fuse into the fuse holder.
- Carefully push the fuse holder (1) into the housing again until it engages in a flush manner.

Remember to insert a new spare fuse as soon as possible.

Disposing of the device and packaging

In Germany

- Dispose of the packaging of the device, separated according to material. Use local options for collecting paper, cardboard and lightweight packaging.
- Dispose of the device and accessories separately from domestic waste. Information regarding collection points that accept old devices free of charge can be obtained from your municipal authority.

Outside of Germany

- Dispose of the device and packaging according to the regulations at the place of use.

EU Declaration of Conformity

Hensel-Visit GmbH & Co. KG hereby declares that device types Certo 200 and Certo 400 correspond with Directive 2014/53/EU. The complete text of the EU Declaration of Conformity is available under the following URL: https://support.hensel.eu/index.php/eu-konformitaetserklaerungen.

Accessories

Flash tubes

Designation	Article number
Contained in the protection glass	40101131

Illuminant for model light

Designation	Article number
150 W/230 V	723
150 W/110 V	7230

Fuses

Designation	Article number
Fuse for the model light F 2 AL	9412501
Fuse for the mains connection T 6,3 AL	9412601

Light shaping tools

Light shaping tools and softboxes with EH connection diameter (10 cm) for the Certo device series.

Additional accessories

Information on additional accessories can be found on our website.

Warranty provisions

In Germany

The warranty provisions can be found in our general terms and conditions for business on our website: www.hensel.de

Outside of Germany

The warranty provisions of the dealer from which you have purchased the device apply.

Limitation of liability

We are not liable for equipment or property damage, or personal injury arising from improper use of the device that is inconsistent with the information provided in the user manual. We are also not liable for consequential damages (such as production or income losses, etc.) that may be caused by a defect in or malfunction of our device.

Returning a product to Customer Service

As soon as you discover damage to the device, proceed as follows:

- Send the device in its original packaging with a precise description of the defect to the following address for repair:

HENSEL-VISIT GmbH & Co. KG
Customer Service Department
Robert-Bunsen-Str. 3
D-97076 Würzburg, Germany

Phone: +49 (0) 931-27881-0

Our Customer Service addresses within and outside of Germany can be found at:
www.hensel.de