

# walimex

Copy of Instruction Manual



**Daylight 450**

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Thank you very much for your confidence. We wish you much pleasure and success with your studio flash.

The walimex Daylight 450 is a powerful, energy-saving continuous light, which is especially developed for ambitious beginners and professional users in film and studio photography.

The main features of your device as follows:

- stable light with constant colour temperature
- sturdy housing
- tiltable and rotatable socket, which fits on every common lamp tripod
- very lightweight
- lamps can be switched on and off separately
- reduced heat development through cold light source
- allows the work with compact cameras.



- **Please read these instructions carefully before using your device for the first time. It includes everything you need to know to avoid physical injuries and damages.**
- **Please pay attention to all safety notes in this instruction manual.**
- **Please keep this manual safe. In case of selling or leaving the device to other persons, please don't forget to hand this manual over as well.**

## 1. How to understand the instruction manual

### 1.1 Markings on the device



This marking mean, that your device meets the safety requirements of all relevant European Directives.



This marking mean, that your device should be disposed in the local disposal points.

### 1.2 Markings in the manual

Marking	Meaning
	Indicates the handling and consequences of safety notes.
WARNING	Indicates a hazardous situation, which, if not avoided, could result in a <b>serious</b> injury or <b>death</b> .
CAUTION	Indicates a hazardous situation, which, if not avoided, may result in <b>minor</b> or <b>moderate</b> injury.
ADVICE:	Indicates potentially physical damages and other important information in connection with your device.

## 14. Technical specifications

Device	
Protection category	IP 20
Power supply	AC 220 - 230 V / 50 Hz
Weight	approx. 1,6 kg
Vertical pivoting radius	180 °
Dimensions incl. reflector (HxWxT)	approx. 30 cm x 30 cm x 25 cm
Accessories	Power cord (approx. 3,7 m), lamp, front diffuser, instruction manual

Lamp	
Spiral Daylights (energy-saving lamp), which comply with EN 60357 Page 3155	3 x 35 W
Colour temperature	5000 - 5500 K
Socket	E27
Micro-fuse	3 A
Permitted operation temperature	-10 °C to + 40 °C
Storage conditions	Dry and dust-free in carton at -20 °C to +50 °C

3. Open fuse holder:  
Use a small screwdriver to lift up the fuse holder carefully and slightly.
4. Pull out the fuse holder with your hands completely out of the slot.
5. Take out the old micro-fuse.
6. Take the new micro-fuse out of the spare slot and slide it into the center of the holder.
7. Slide the fuse holder carefully into the slot as far as it goes.

## 11. Accessories and options

You can find extensive accessories for your device in our webshop.

## 12. Spare parts

Part of the device	Item number
Lamp (walimex Spiral Daylight 35W)	16232
Power cord	12914

## 13. Disposal and environmental protection

Your device should be disposed free of charge at the local disposal points.

## 2. Important safety notes

### WARNING

#### Risk of eye injury

The optical radiation of the lamps could blind your eyes and lead to afterimages, if persons and animals look into the lamp directly. This could lead to injuries. Please avoid persons and animals looking into the flash directly.

### WARNING

Danger of crashing, entrapment and fire through the falling down of the device

The weight of the device is 1,6kg.

- Make sure, that the device is always positioned tilt and skid resistant and stored securely.
- Keep out of reach of children and animal. They could overturn the device.
- Avoid placing cables, where they can be tripped over. The device could be overturned.

### WARNING

#### Danger of electric shock, burn hazard

Please note, that the device is still connected with the supply voltage even if it is switched off. Just after disconnecting the device from the power supply through pulling out the power cable, the device is actually de-energized.

- Switch off your device when it is not in use.
- Switch off your device before mounting and maintenance and disconnect from power supply.
- Protect your device against unintended switching-on.
- Unplug the power cord, if the flash is not in use for a long time.

### WARNING

#### Danger of electric shock, fire through short-circuit

A short-circuit could be caused through defect cables and through

humidity or moisture. A short-circuit can warm up the conductors, so that there isolation will melt or even melt thoroughly. This could lead to fire.

- Please just use the original cables, which are included in delivery. They are aligned for your device and guarantee the necessary safety for you and your device.
- Don't operate the device with wet hand or feet.
- Operate the device only in dry rooms.
- Don't operate the device outdoors.
- Please only follow this instruction manual for cleaning the device.
- Make sure, that cables and conductors won't be damaged. Damages could be caused through heat impact, chemical influence or through mechanical impacts as rubbing, bending, tearing, rolling over or nibbling animals.
- Prevent your device for falling-off. In case of falling-off, please let an electrician check the device before switching on again.
- If your device should be damaged or defect or if you notice a burning smell:  
Disconnect the power supply by pulling out the power cord immediately. Never operate your device with damaged housing, damaged reflector, defect lamps or damaged power cord. Don't open the device. Never repair the device on your own. The device should only be repaired by electricians.
- Please follow this instruction manual for maintaining your device.
- Please just use spare parts, which are conform to the required specifications.  
See *Technical Specifications*.

**⚠ WARNING**

**Fire danger through overheating**

The device can overheat, if you operate it with covered ventilation slots. The accessories can overheat, if it does not comply with the necessary specifications.

The device itself, accessories and easily inflammable materials in close distance could catch fire.

Daylight 450	Cleaning
Housing	Use a microfiber cloth to remove light and stubborn dirt
Lamps	Wipe off with dust brush or dry, soft cloth <i>ADVICE:</i> <i>Don't clean the lamps with water. Even small residues on the lamps could lead to bursting</i>

10.3 Change lamps

**⚠ WARNING**

**Please just use lamps, which are conform with the required specifications.**

**See *Technical Specifications*.**

1. Screw lamps out and in.  
See *Screw in and out of lamps*.

10.4 Change micro-fuse

**⚠ WARNING**

**Danger of electric shock and fire through short-circuit**

**A micro-fuse, which is not conform with the required specifications, doesn't protect against the overloading of the device.**

**Please just use a micro-fuse, which is conform with the required specifications. See *Technical Specifications*.**

*ADVICE:*

*The fuse holder keeps a spare fuse.*

1. Switch off device.  
See *Switch on and off of the device*.
2. Disconnect from power supply:  
Unplug power cord.

## 10. Maintenance

### 10.1 Continuous inspections

What you should do?	Before every operation	With every change
Check all cables and plugs for damages. In case of damage: <b>⚠ WARNING!</b> Danger of electric shock and fire through short-circuit. The device should be repaired by an electrician immediately.	X	
Check, if the lamps are screwed in firmly. In case of damage: <b>⚠ WARNING!</b> Danger of electric shock and fire through short-circuit. The device should be repaired by an electrician immediately.		X

### 10.2 Cleaning

#### **⚠ WARNING**

**Danger of cutting and splitting through breaking or bursting lamp**

**Don't let the lamps fall down.**

**Don't touch the lamp with bare hands. Just touch the lamp at the plastic socket or wear clean cotton gloves or use a clean cloth.**

#### **⚠ WARNING**

**Danger of electric shock**

- **The contact with moisture or water should be avoided.**
- **Unplug the power cord before cleaning the device.**

*ADVICE: Just use the following specified cleaning supplies.*

**The device, accessories and easily inflammable materials in the near of the device could catch fire.**

- **Don't cover the ventilation slots of the device during operation.**
- **Please just use accessories and spare parts, which are conform to the required specifications.**  
**See *Technical Specifications*.**
- **Lamps, which are damaged or deformed through heat, should be exchanged immediately.**
- **Remove easily inflammable materials, which are in close distance to the device.**

#### **⚠ CAUTION**

**Danger of burning on hot parts**

**The lamps could heat up up to 70°C.**

- **Don't touch the parts during operation and cooling down.**
- **Please cool down your device completely before starting any mounting or maintenance arrangements.**

#### **⚠ WARNING**

**Danger of cutting and splitting through breaking lamps,**

**possible discolouration on the lamps**

**Lamps can break and split, when they fall down.**

**Even small residues of skin oil on the lamps could lead, due to the high heat impact, to the splitting of the lamp. Broken glass could hurt eyes and skin.**

- Please handle the lamps with care to avoid bursting.
- Don't touch the lamps with bare hands. Just touch the lamp at the plastic socket or wear clean cotton gloves or use a clean cloth.
- Avoid touching the flash tube accidentally when mounting or changing accessories.
- Please just use lamps, which comply to EN 60357 Page 3155.

### 3. Unpack and check the device

1. Please unpack your device carefully.
2. Please check, if the delivery is complete:
  - 1 Daylight 450
    - 1 Reflector
    - 3 Lamps
    - 1 Front diffuser
    - 1 Power cord.
  - 1 Instruction manual in german and english.
3. Please check, if the delivery is undamaged.  
*ADVICE: If the delivery should be uncomplete or damaged, please contact [info@foto-walser.de](mailto:info@foto-walser.de) or our service hotline with the telephone number +49 84 32 / 9489-0.*

### 9. Solve problems

Problem	Possible reason	Remedy
Device is switched on, but has no function	Power cord is not plugged or plugged incorrect	Plug in the power cord correctly
	Micro-fuse is defect	Change micro-fuse, see <i>Change micro-fuse</i>
Lamps do not light up	Lamps are switched off	Switch on lamps, see <i>Screw in and out of lamps</i>
	Lamps are not screwed in firmly	Screw the lamp more firmly into the socket
	Lamp is defect	Change the lamp, see <i>Screw in and out of lamps</i>



## 7. Operation of the device

### 7.1 Adjust tilt angle

1. Open tilt lever.
2. Adjust the required tilt angle.
3. Tighten tilt lever.

### 7.2 Switch the device on and off

The lamps can be switched on and off flexibly through the three tappet switches on the operation panel.

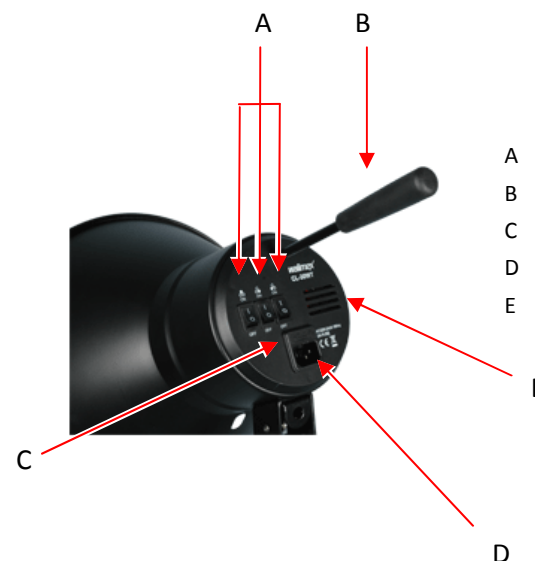
1. Switch on device and lamp:  
Set tappet switch of the selected lamp on I.  
The selected lamp lights up.
2. Switch off device and lamp:  
Set tappet switch LEUCHTMITTEL of the selected lamp on O.  
The selected lamp will go out.

## 8. Transportation and storage

1. Switch off device.  
*See Switch on and off of the device.*
2. Let the device cool down completely.  
**⚠ WARNING!** Danger of burning through hot parts. Let the device cool down completely.
3. Screw out lamps and store them securely.  
*See Screw in and out of lamps.*
4. Demount power cord.
5. Clean the device if necessary.  
*See Cleaning.*
6. Put the device and all demounted elements in one carton and carry and store them according to the requirements in the technical specifications. *See Technical specifications.*

## 4. Overview about the parts

- A Reflector
- B Lamps
- C Daylight 450
- D Fixing knob for tripod (optional)
- E Tripod mounting
- F Locking knurl for tilt angle
- G Tilt lever



- A Tappet switch LAMP O/I
- B Tilt lever
- C Fuse holder for micro-fuse
- D Socket for power cord
- E Ventilation slots

## 5. Quick start guide

*ADVICE:*

*The detailed instruction for the following operations can be found in the respective chapters in this instruction manual.*

*Keep the sequences of the following operation steps when using the device for the first time to avoid damages on the device.*

### **⚠ WARNING**

**Please note the safety notes in the respective chapters throughout operation.**

- Mount the device on tripod (optional).
- Screw in lamp.
- Adjust tilt angle.
- Connect to power supply.
- Switch the lamp on and off.

## 6. Preparation for operation

### 6.1 Mount the device on tripod (optional)

*ADVICE:*

*Please note the user information of the tripod manufacturer.*

### **⚠ WARNING**

**Select a tripod of suitable weight and dimensions. See *Technical Specifications*.**

**Make sure, that the tripod with the mounted device has a tilt and skid resistant stand.**

1. Loose locking knurl.
2. Mount the device on the tripod.
3. Tighten locking knurl.

### 6.2 Screw in and out of lamps

#### **⚠ WARNING**

**Danger of cutting and splitting through breaking or bursting lamp  
Don't let the lamps fall down.**

**Don't touch the lamps with bare hands. Just touch the lamp at the plastic socket or wear clean cotton gloves or use a clean cloth.**

*ADVICE:*

*Possible discolouration through burn marks on the lamps.*

1. Switch off device.  
*See *Switch on and off of the device*.*
2. Disconnect from power supply:  
Plug out power cord.
3. Let the device cool down.  
**⚠ CAUTION!** Danger of burning on lamps. Let the device cool down for approx. 15 minutes.
4. Screw in lamps:  
Screw in the lamps carefully.  
**⚠ WARNING!** Danger of electric shock. Always screw in all three lamps as to avoid touching in the sockets, when the device is switched on.
5. Screw out lamp:  
Screw out the lamps carefully and store it securely.

### 6.3 Connect to power supply

1. Switch off device.  
*See *Switch on and off of the device*.*
2. Compare the local power supply with the connected load of the device.  
*See *Technical specifications*.*  
If the values differ, please contact [info@foto-walser.de](mailto:info@foto-walser.de) or tel. +49 84 32 / 9489-0.
3. Connect the power cord with the socket on the device and with the power socket.