



SL1

**Instruction Manual
Transport Certificate**



The mobile flashlight SL1 is designed for deployment in situations with highest requirements for illumination, mobility and handling where power supply or generators are not available. It's the ideal solution for high priority tasks where safety, protection and rescue are of major importance.

The SL1 is very robust and simple to operate. It's water- and dust-proof meeting IP68 standards, it's very resistant against mechanical and temperature shock. The light is similar to daylight, colours are not falsified; the beam can be focused to spot or flood.

Please read carefully the instruction manual before using the SL1. Follow the security advices. Thereby you can obtain the maximum life span and the best results from your mobile flashlight. We wish you the best success in operating the SL1.



Danger of glare through intensive light

Never direct light at short distances to eyes of people or animals as it may induce injuries. Pay attention to reflections.



Attention hot surface

The front screen can reach high temperatures during operations. Don't box the flashlight as long as it's hot.



Attention High Voltage

Starting the flashlight needs for a short period a high voltage of about 25'000 Volt. **In case that the front screen is broken do not use the flashlight but get in touch with our support department.**



Attention Magnetism

To avoid technical malfunctions do not operate the flashlight in or nearby strong magnetic fields.



General Advice

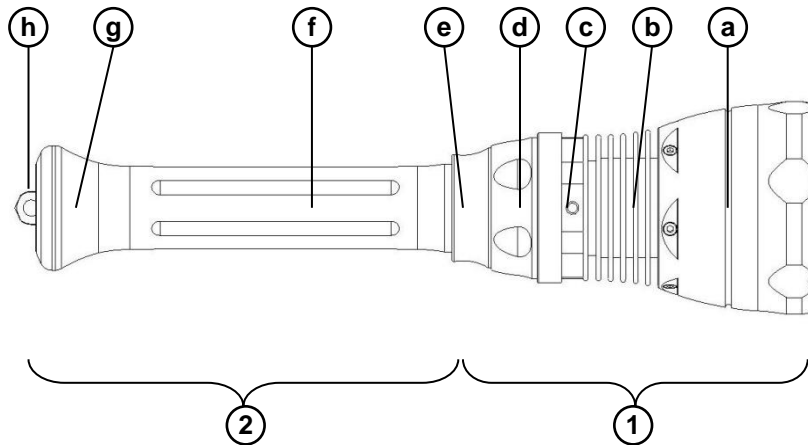
The flashlight shall not be operated by children or young persons. It should be operated exclusively by instructed persons.

1. Lamp Head

- a) Mounting bracket for strap
- b) Radiator
- c) Tripod mount
- d) Rotary switch
- e) Sliding connector

2. Rechargeable Battery

- f) Handle
- g) Knob
- h) Grommet for strap, glass breaker



Please note that:

Hot Front Screen

Never put the hot flashlight down on flammable or heat sensitive surfaces as the front screen can become very hot.

Cooling

Do not impair cooling of the flashlight. Do not switch on the flashlight to leave it unused and unattended.

Power up

The flashlight needs few seconds to power up to reach the full illumination power.

Condensation Water

Stored in cold places the flashlight may create condensation water. This will disappear after a short operation.

Switch off

Switch off the flashlight after use. Do not store it when switched on.

Cool off

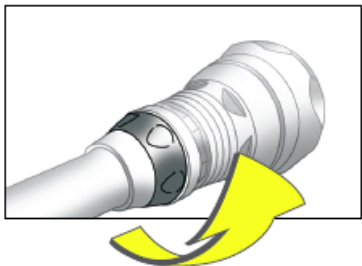
Before storing the flashlight leave it cooling off and remove the battery. Store battery separate from lamp head.

Separate Battery

While not in use or during transport do separate battery from lamp head.

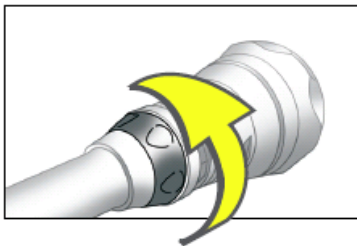
Charging of Battery

Do not charge the battery with temperatures below 0 Celsius or 32 Fahrenheit.



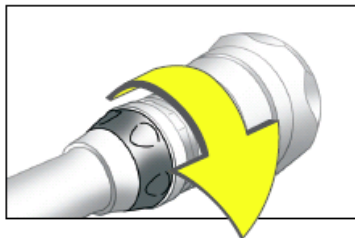
Switching on

Turn the rotary switch d) to the left until the first level. The flashlight switches on with 35 Watt.



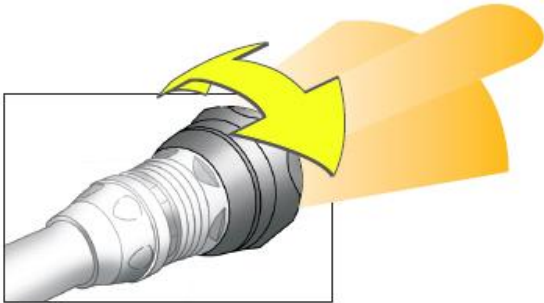
Long lasting mode

Turn the rotary switch d) further to the left to reach the second level. The flashlight operates with 25 Watt, the beam is weaker, the battery lasts longer.



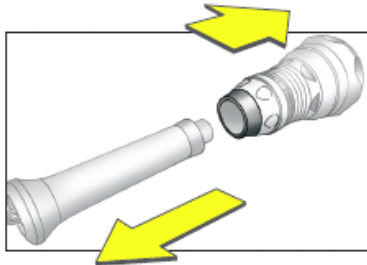
Switching off

Turn the rotary switch d) to the right until the flashlight switches off.



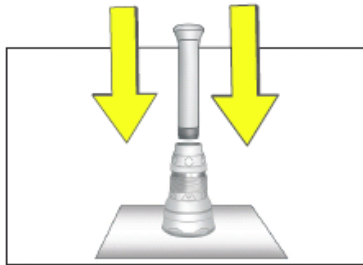
Focusing

The beam can be focused by turning the lamp head. A rotation of 90° offers the possibility to focus the beam on spot or flood with one single movement.



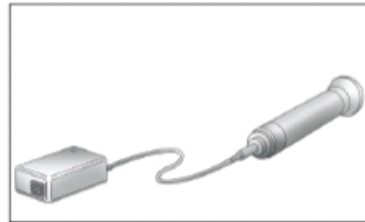
Releasing Battery

Move sliding connector e) forcefully to the front. The connector's springs opens, remove the battery.



Insert Battery

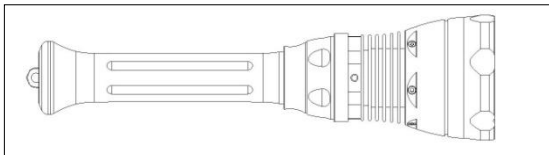
Place the lamp head on a stable surface. Insert the battery and rotate it slightly until the hexagon sits tightly in its slot and the springs snaps



Recharging Battery

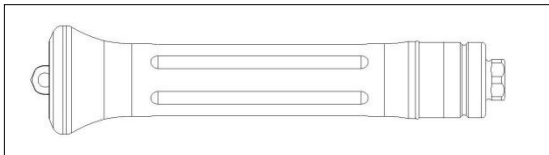
Insert leads, check LED
ORANGE: Fast Charge until 80%
YELLOW: Rest Charge until 100%
GREEN: Charging completed

Do not charge the battery when temperature is below 0



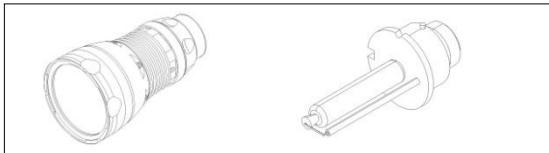
Lamp:

Length/Diameter:	48.5 cm, 12.8 cm
Weight:	2.65 kg
Nominal output:	25W/35W
Safety Standard:	IP68 (30 m)



Lithium-Ion Battery

Length/Diameter:	32.7 cm, 5.0 cm
Charging time 80%:	ca. 2:00h
Charging time 100%:	ca. 4:00h
Battery Life 35W:	ca. 2.30h
Battery Life 25W:	ca. 4:00h
Recharge Cycles:	ca. 1000
Self-discharge:	ca. 3% per month



Lamp Head, Light Source

Length/Weight:	22.0 cm, 1.45 kg
Light source:	HID (Xenon)
Front Screen:	Borofloat 33, non-reflecting, 3.8 mm
Mirror:	Aluminium, 105mm
Beam:	focusable
Output:	1700-3200 Lumen
Colour temperature:	4100K



Conformity

SL1 has been tested according to:
EN55011:1998 +A1:1999 +A2:2002
EN55015:2000 +A1:2001 +A2:2002
EN61000-3-2:2000
EN61000-3-3:1995 +A1:2001
EN61547:1996
EN61547:1995 +A1:2000

SL1 has achieved:

- Declaration of conformity, CE-Marking
- Compliance with Electro Magnetic Compliance Directive 2004/108/EG
- Compliance with Low Voltage Directive 2006/95 EG



Recycling

Lamp head and battery can't be discharged in the waste. Return the flashlight at the end of use to your service partner or directly to Swiss + Licht AG for proper recycling.



Mounting clamp

A mounting clamp offers a simple and efficient possibility to place the flashlight on a tripod, motor stand or on a fixed place.

More accessories are available.
Ask Swiss + Licht AG



Transport Cases

Robust and lightweight transport cases protect your flashlight and accessories until you reach the site of operation.



Filter

A filter adapter with bayonet connector offers a simple and robust way to use filters for infrared, diffusion and filters with different colours.



Swiss + Licht AG offers a 24 month warranty for all products regarding defects on fabrication and material and 90 days warranty on HID-Lamps with exception of breakage of glass.

In the event of a warranty case please contact your service partner or directly Swiss + Licht AG .

General terms and conditions of Swiss + Licht AG apply.



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Swiss + Licht AG

A Swiss engineering company dedicated to create high performance light solutions by combining best design and engineering with HID-illumination technology, advanced electronics, high quality fabrication and top end finish.

To get your own customised and adapted solution contact us.

Security of Lithium – Ion – Battery – Pack

Certificate

We hereby certify that the battery pack of the high intensity discharge lamp contains lithium ion cells with less than six gram lithium content each. The total lithium content of the battery pack is less than twenty-five grams. All cells are protected by a special electronic circuit, and the cells may therefore be shipped by any commercial method of transport.

Steinen, 11th March 2010

SWISS + LICHT AG

