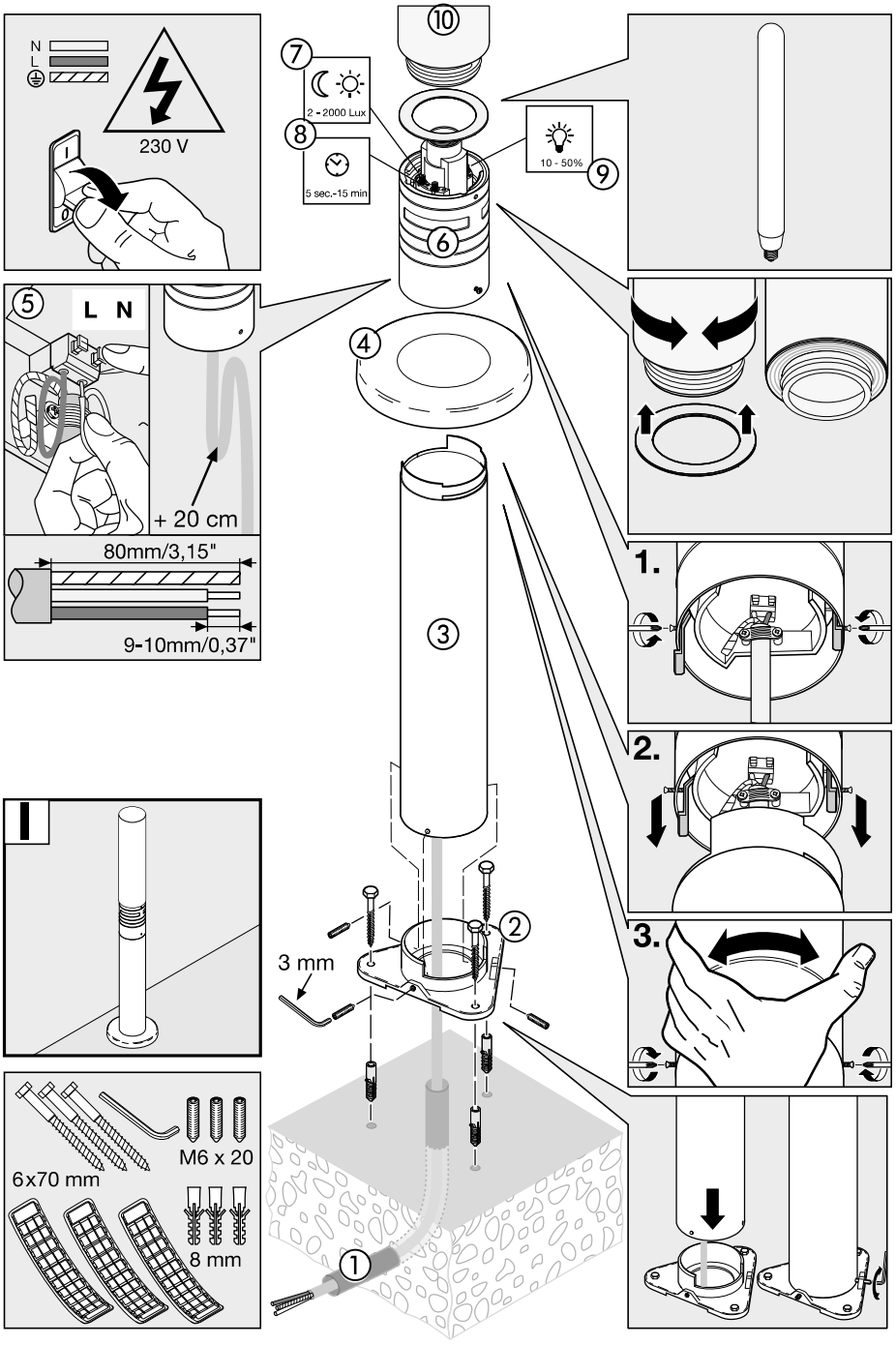
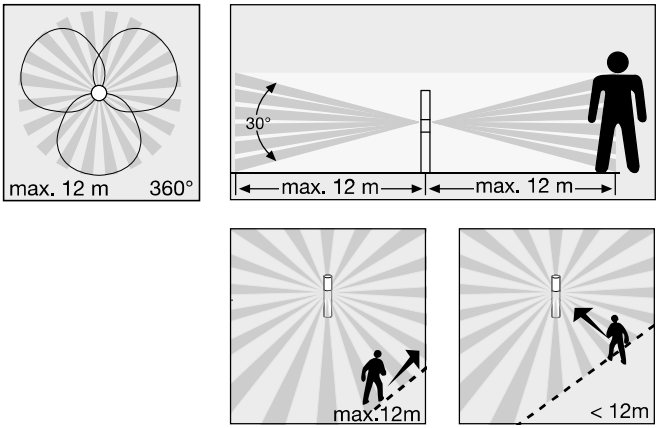
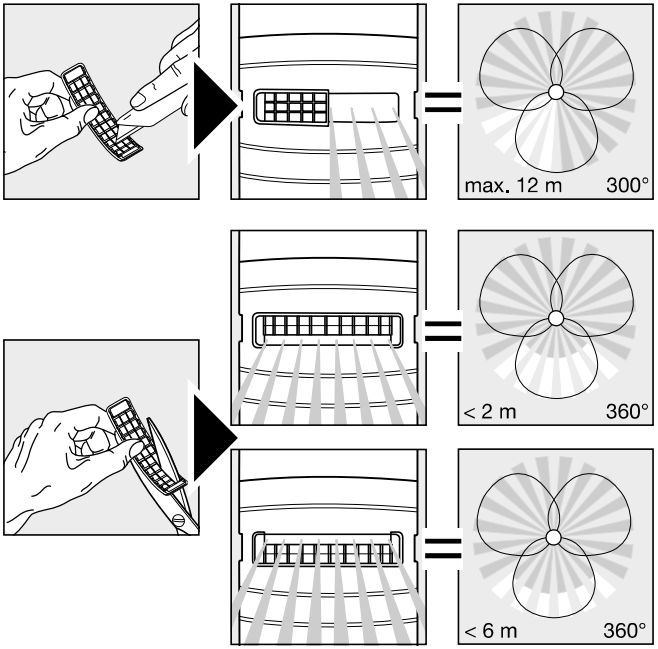

N
L
230 V
⑦
2 - 2000 Lux
⑧
5 sec.-15 min
⑩
10 - 50%
⑨
⑥
⑤
L N
+ 20 cm
80mm/3,15"
9-10mm/0,37"
④
③
1.
2.
3.
②
3 mm
①
6x70 mm
M6 x 20
8 mm

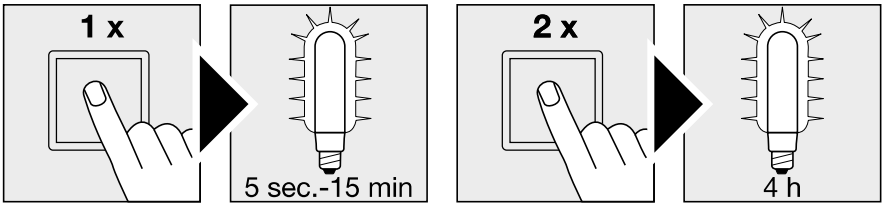
⑪


max. 12 m
360°
30°
max. 12 m
max. 12 m
max.12m
< 12m

⑫


max. 12 m
300°
< 2 m
360°
< 6 m
360°

⑬


1 x
5 sec.-15 min
2 x
4 h

GB Installation instructions

Dear Customer,

Congratulations on purchasing your new STEINEL SensorLight and thank you for the confidence you have shown in us. You have chosen a high-quality product that has been manufactured, tested and packed with the greatest care.

Please familiarise yourself with these instructions before attempting to install the sensor light because prolonged reliable and trouble-free operation will only be ensured if it is fitted properly.
We hope your new STEINEL SensorLight will bring you lasting pleasure.

System components

Path light with stainless steel tube
① Supply lead
② Base plate
③ Stainless steel tubular pole
④ Stainless steel cover
⑤ Mains power supply
⑥ Sensor unit, turns through 120° for adjusting the detection zone and G9 adapter
⑦ Twilight setting
⑧ Time setting
⑨ Basic light level (dimming)
⑩ Glass shade
⑪ Principle
⑫ Adjusting the detection zone
⑬ Manual override

Safety warnings

- Disconnect the power supply before attempting any work on the unit.
- During installation, the electrical wiring being connected must be dead. Therefore, switch off the power first and use a voltage tester to check that the power supply is disconnected.
- Installing the SensorLight involves work on the mains voltage supply. This work must therefore be carried out by a specialist in accordance with the applicable national wiring regulations and electrical operating conditions. (**DE**-VDE 0100, **AT**-ÖVE/ÖNORM E 8001-1, **CH**-SEV 1000))
- Only use genuine replacement parts.
- Repairs may only be carried out by specialist workshops.

Principle ⑪

The integrated infrared sensor is equipped with three 120° pyro sensors which detect the invisible heat emitted by moving objects (people, animals etc.).

The heat detected in this way is converted electronically into a signal that switches the light on automatically. Heat is not detected through obstacles, such as walls or panes of glass. Heat radiation of this type will, therefore, not trigger the sensor. The three pyro sensors provide an angle of coverage of 360° with an angle of aperture of 30°.

Important: The most reliable way of detecting motion is to install the SensorLight with one of the sensor apertures aligned parallel with the direction in which a person would walk and by ensuring that no obstacles (such as trees, walls etc.) obstruct the line of sensor vision.

List of compatible dimmers for lamps shown below

110085995 LED linear lamp WW E27 370MM EU can be dimmed with 110034358 OUTDOOR LIGHT.

Installation ①

The site of installation should be at least 50 cm away from another light because heat radiated from it may activate the system.

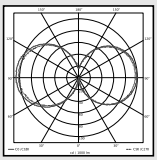
Connecting the mains supply lead (see illustration)
The mains leads consists of at least a 2-core cable:
L = phase conductor (usually black or brown)
N = neutral conductor (usually blue)

If you are in any doubt, you must identify the cables using a voltage tester; now disconnect the power supply again. Connect the phase (**L**) and neutral conductor (**N**) to the clamp-type terminals. Insulation tape may be placed over any protective earth conductor (**PE, green/yellow**).
Important: The supply lead must be at least 20 cm longer than the support pole.

Note: A mains switch for switching the unit ON and OFF may of course be installed in the power supply lead. This is required for the manual override function (see Manual override function) ⑬**.**

Note: for technical reasons, the LED lamp may flicker slightly to moderately at certain dimming levels. If this occurs, alter the dimming level slightly.

Technical specifications

Dimensions (H x Ø):	1038 x Ø 120 (glass shade) / Ø 220 (base) mm
Power supply:	220-240 V / 50/60 Hz
Power consumption (Pon)*:	9.2 W / E 27
Luminous flux/efficiency, lamp*:	954 lm, 104 lm/W
Standby light:	0.8 W
Luminous flux/efficiency:	781 lm, 79.9 lm/W
Colour temperature*:	3000 K (warm white)
Colour rendering index*:	Ra = 82
Average rated life expectancy*:	L70B50 at 25° C: > 20,000 hours.
Colour consistency SDCM*:	starting value: 3
Luminous intensity distribution*:	
Angle of coverage:	360° with 30° angle of aperture
Detection reach:	Max. 12 m
Twilight setting:	2-2000 lux
Time setting:	5 s - 15 min
Manual override:	Selectable (4 hours) provided: switch is connected in mains supply lead
Basic light level:	10-50%
IP rating:	IP44
Protection class:	II
Ambient temperature:	- 20°C to + 40°C
This product contains an energy efficiency class "F" light source.	
* for LED lamp provided with the light	

Functions ⑦, ⑧, ⑨

The sensor-switched light can be put into service after mounting the sensor unit and connecting it to the mains power supply. The controls for adjusting the twilight response threshold, time and basic light level are positioned next to the lamp socket.

Twilight setting (response threshold) ⑦
(factory setting: daylight operation 2000 lux)

Sensor response threshold can be infinitely varied from 2-2000 lux.

Control dial set to ☼ = daylight operation approx. 2000 lux.
Control dial set to ☾ = twilight operation approx. 2 lux. To adjust the detection zone in daylight, set control dial to ☼ (daylight operation).

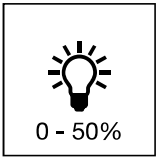
Switch-off delay (time setting) ⑧
(factory setting: 5 sec.)

Light ON duration can be infinitely varied from 5 sec. to 15 min.

Control dial set to **–** = shortest time
Control dial set to **+** = longest time (15 min.)

It is recommended to select the shortest time **–** when adjusting the detection zone

Basic light level ⑨
(factory setting: dimmer off: 0%)



Light output can be infinitely adjusted up to 50 % of maximum power when set to stay ON all the time. This means: light is only switched from a basic light level of 1-4 watts to maximum output when movement is identified in the sensor's detection zone.

Note:
Basic light function only with dimmable lights.

Reach setting / adjustment ⑫

The sensor has a maximum reach of 12 m. The detection zone can be optimised to suit individual needs. The shrouds provided are used for blanking out any number of lens segments or to shorten reach as required. This prevents the light from being activated unintentionally, e.g. by cars, passers-by etc. and allows to you to target danger spots. The shrouds can be divided or cut with a pair of scissors along the vertical and horizontal grooves. Turning the sensor unit permits final precision adjustment.

Manual override function ⑬

If a mains switch is installed in the mains supply lead, the light is capable of the following functions in addition to the simple ON/OFF function:

Sensor operation
1) Switch light ON (when light is OFF):
Switch OFF and ON once.
Light stays ON for the period selected.
2) Switch light OFF (when light is ON):
Switch OFF and ON once.
Light goes out or switches to sensor mode.

Manual override
1) Select manual override:
Switch OFF and ON twice. The light will stay ON for 4 hours (red LED lights up behind the lens). Then it returns automatically to sensor mode (red LED behind the lens is OFF).
2) Deactivate manual override:
Switch OFF and ON once. Light goes out or switches to sensor mode.

Important:
The switch should be actuated in rapid succession (in the 0.5- sec. range).

Soft light start

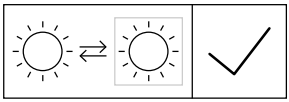
The sensor light features a soft light start function. This means that when turned ON, the light is not switched directly to maximum output but gradually builds up brightness to 100% within the space of a second. Brightness is also gradually reduced when the light is switched OFF.

Troubleshooting

Malfunction	Cause	Remedy
SensorLight without power	■ Fuse faulty, not switched on, break in wiring ■ Short circuit	■ Fit new fuse, turn mains switch on; check wiring with voltage tester ■ Check connections
SensorLight will not switch ON	■ Twilight control set to night-time mode during daytime operation ■ LED lamp faulty ■ Mains switch OFF ■ Fuse faulty ■ Detection zone not properly targeted ■ Internal electrical fuse has been activated (red LED behind the lens is lit/flashing constantly)	■ Re-adjust (control ⑦) ■ Change ■ Switch on ■ Fit new fuse, check connection if necessary ■ Re-adjust ■ Switch OFF SensorLight or check/change lamp and switch back ON again after 5 sec
SensorLight will not switch OFF	■ Continuous movement in the detection zone ■ Basic light level set to 50%	■ Check detection zone and re-adjust if necessary ■ Set basic light level to 0% (control ⑨)
SensorLight switches on when it should not	■ Wind is moving trees and bushes in the detection zone ■ Cars in the street are being detected ■ Sudden temperature changes due to weather (wind, rain, snow) or air expelled from fans, open windows	■ Change detection zone ■ Change detection zone ■ Change detection zone, change site of installation
SensorLight reach has changed	■ Change in ambient temperatures	■ Use shrouds to adjust detection zone accurately
Red LED behind the lens is lit/ flashing constantly although manual override is not selected	■ Internal fuse activated	■ Switch OFF SensorLight or check/change lamp and switch back ON again after 5 sec
LED lamp flickers	■ For technical reasons, at various dimming levels	■ Alter dimming level

Operation / Maintenance

The SensorLight is suitable for switching light on automatically. Weather conditions may affect the way the SensorLight works. Strong gusts of wind, snow, rail or hail may cause the light to come on when it is not wanted because the sensor is unable to distinguish sudden changes of temperature from sources of heat. The detector lens may be cleaned with a damp cloth if it gets dirty (do not use cleaning agents).



Light source can be changed by consumer.

Disposal

Electrical and electronic equipment, accessories and packaging must be recycled in an environmentally compatible manner.

Do not dispose of electrical and electronic equipment as domestic waste.

EU countries only:
Under the current European Directive on Waste Electrical and Electronic Equipment and its implementation in national law, electrical and electronic equipment no longer suitable for use must be collected separately and recycled in an environmentally compatible manner.

Manufacturer's warranty

This Steinel product has been manufactured with great care, tested for proper operation and safety in accordance with applicable regulations and then subjected to random sample inspection. Steinel guarantees that it is perfect condition and proper working order. The warranty period is 36 months, starting on the date of sale to the consumer. We will remedy defects caused by material flaws or manufacturing faults. The warranty will be met by repair or replacement at our own discretion. The warranty shall not cover damage to wear parts, damage or defects caused by improper treatment or maintenance. Further consequential damage to other objects shall be excluded.

The warranty will only be honoured if the product is sent to the appropriate Service Centre fully assembled and well packed with a brief description of the fault, receipt or invoice (date of purchase and dealer's stamp).

Repair service:
Please ask your nearest service centre how to proceed for repairing faults not covered by the warranty or occurring after the warranty expires.

3 YEAR MANUFACTURER'S WARRANTY