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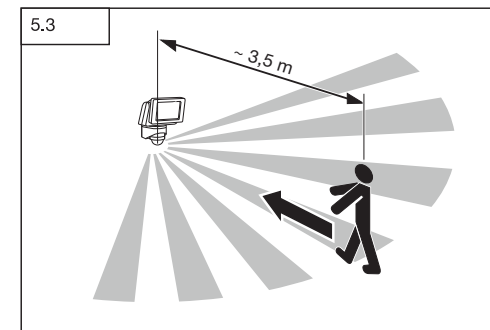
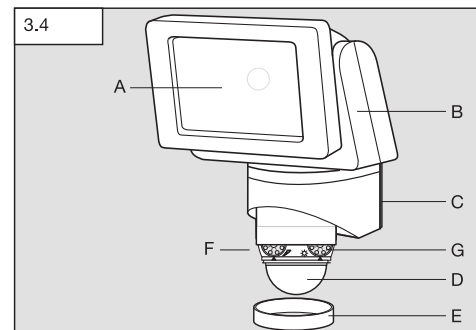
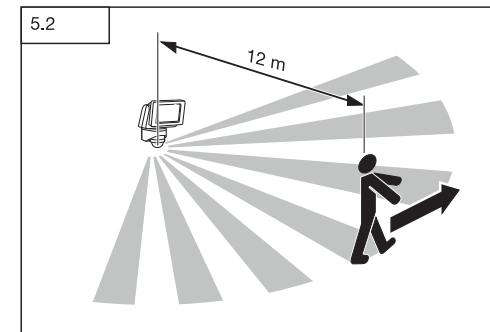
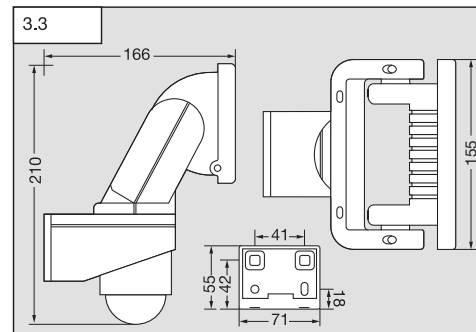
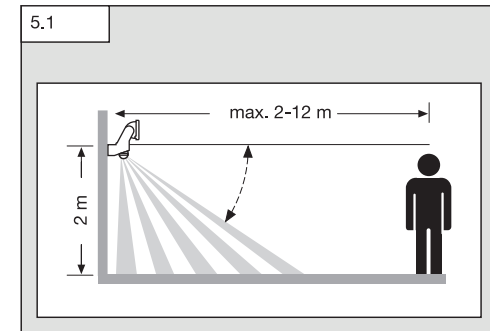
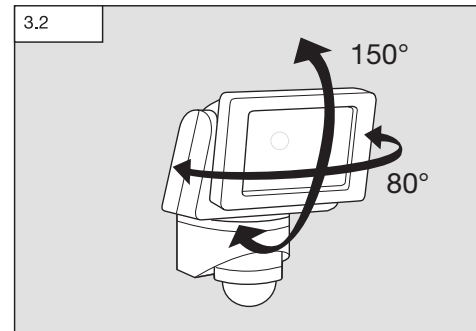
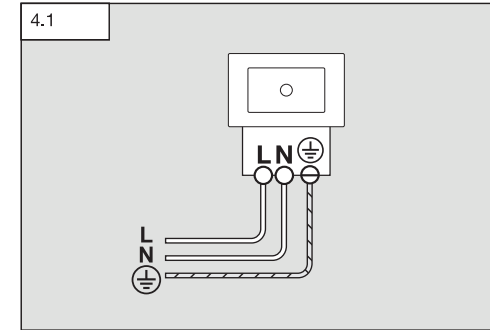
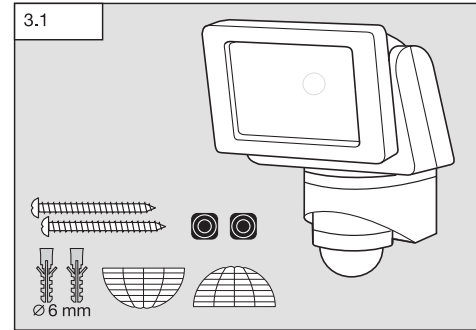


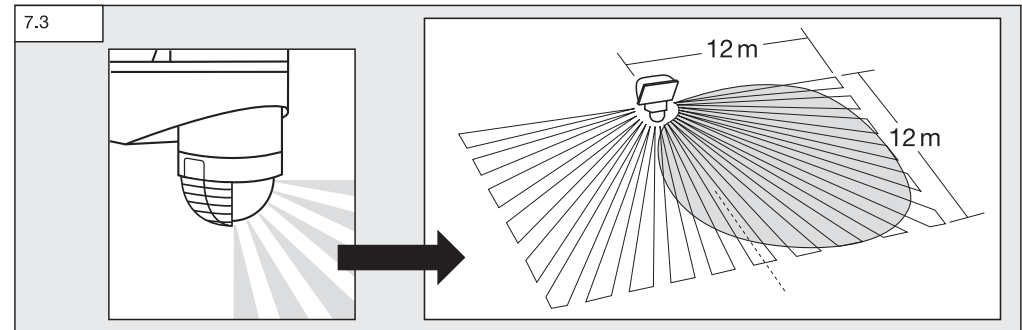
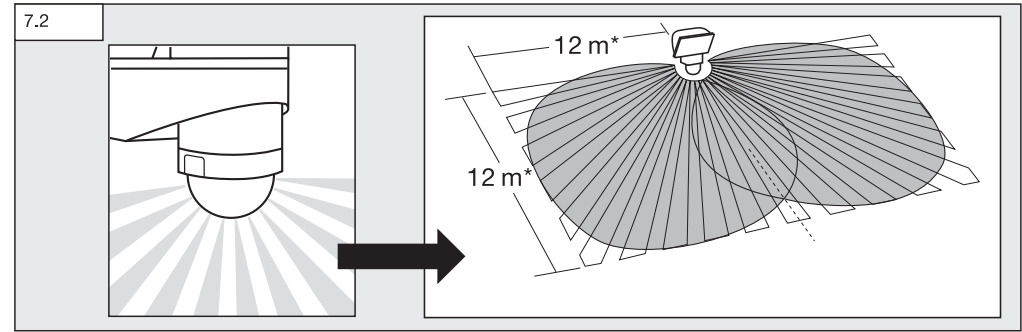
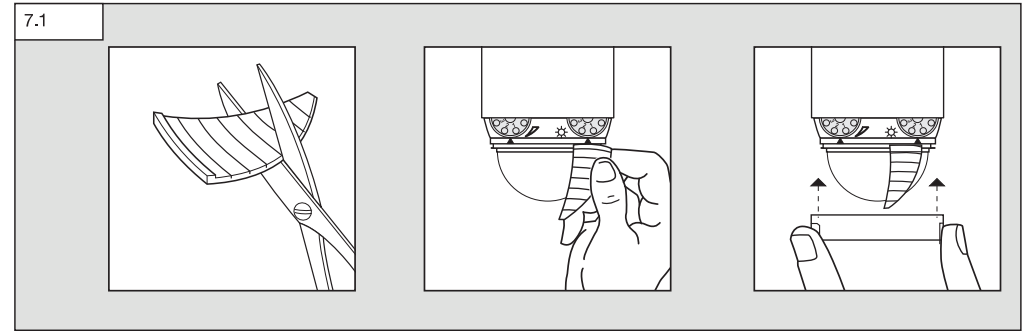
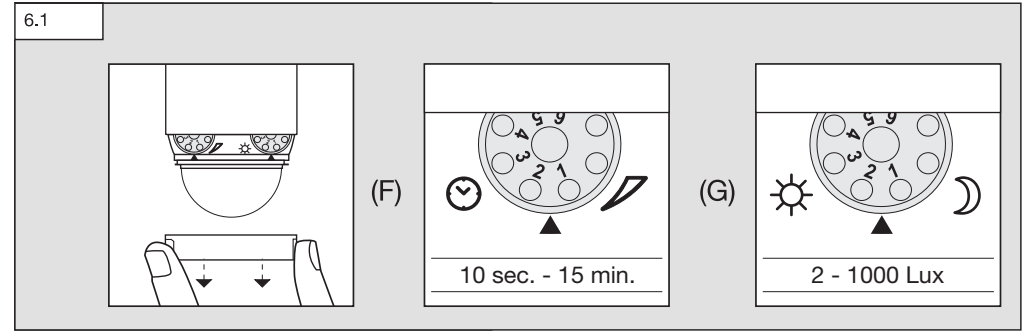
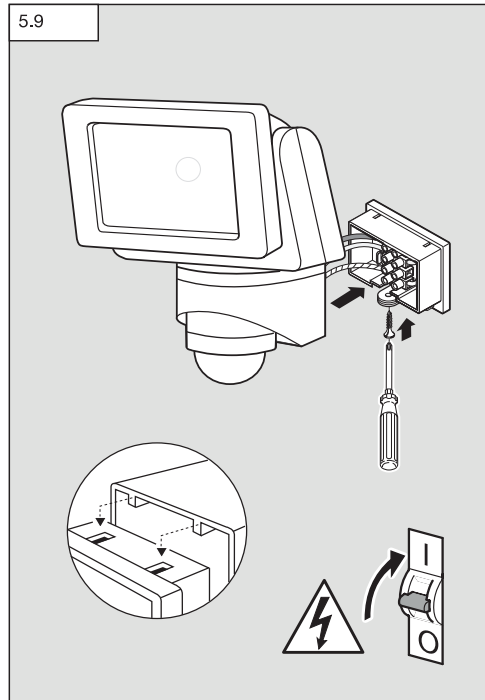
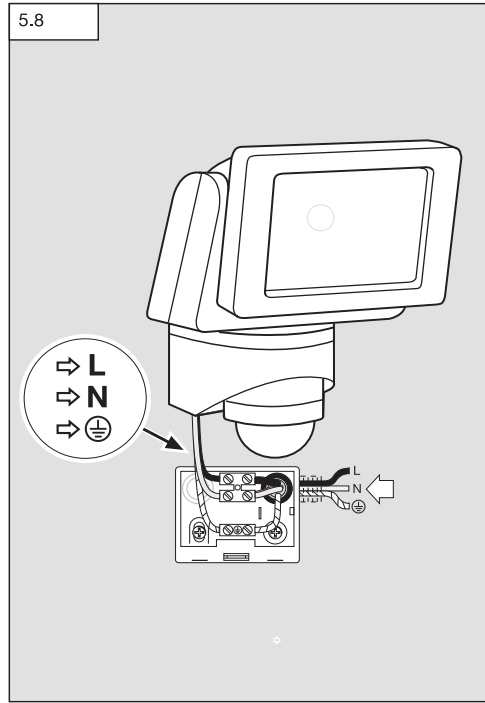
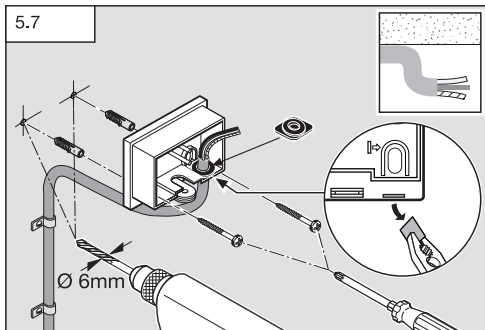
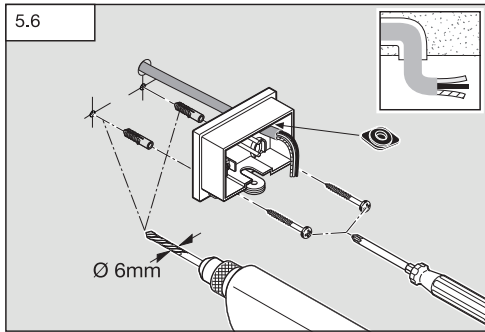
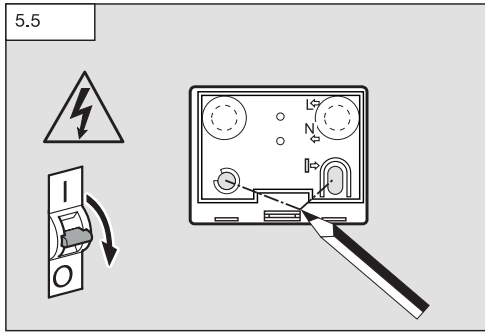
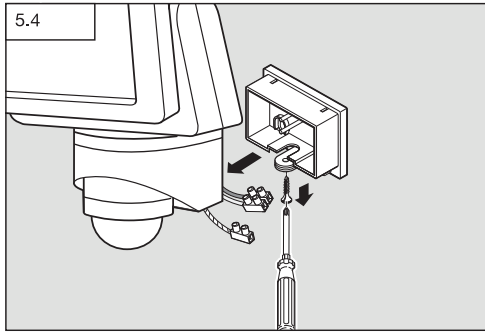
Information
LS 150 LED

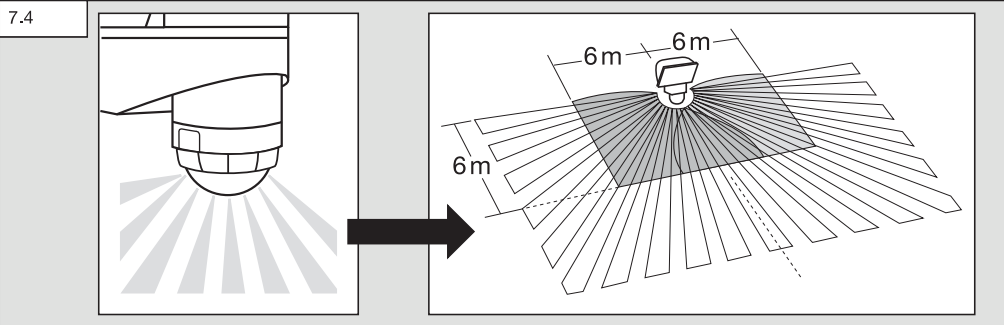
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- DE..... 7 Textteil beachten!
 GB..... 11 Follow written instructions!
 FR..... 15 Suivre les instructions ci-après !
 NL..... 19 Tekstpassage in acht nemen!
 IT..... 23 Leggere attentamente le istruzioni!
 ES..... 27 ¡Obsérvese la información textual!
 PT..... 31 Siga as instruções escritas
 SE..... 35 Följ den skriftliga montageinstruktionen.
 DK..... 39 Følg de skriftlige instruktioner!
 FI..... 43 Huomioi tekstiosa!
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 CN..... 108 遵守文字说明要求!







GB

1. About this document

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Symbols



Hazard warning!



Reference to other information in the document.

2. General safety precautions



Disconnect the power supply before attempting any work on the unit.

- During installation, the electric power cable being connected must not be live. Therefore, switch off the power first and use a voltage tester to make sure the wiring is off-circuit.
- Installing these units involves work on the mains voltage supply; installation must therefore be carried out professionally in accordance with the applicable national wiring regulations and electrical operating conditions. (e.g. **DE** - VDE 0100, **AT** - ÖVE/ÖNORM E 8001-1, **CH** - SEV 1000)
- The LED floodlight must be set to a horizontal position ($\pm 15^\circ$).
- The LED floodlight is only intended for wall mounting and not for ceiling mounting.
- The floodlight enclosure heats up when the light is on. Only adjust the angle of the LED panel once it has cooled down.
- Repairs may only be made by specialist work-shops.

3. LS 150 LED

Proper use

- LED floodlight suitable for wall mounting indoors and outdoors.
- Fully swivelling LED panel and moveable sensor.

The LED floodlight is equipped with a 240° pyro sensor which detects 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 floodlight ON. Heat is not detected through obstacles, such as walls or panes of glass.

Package contents (**Fig. 3.1**)

Floodlight adjustment range (**Fig. 3.2**)

Product dimensions (**Fig. 3.3**)

Product components (**Fig. 3.4**)

- A** LED floodlight head
- B** Enclosure
- C** Wall mount
- D** Sensor
- E** Ring cover
- F** Time setting
- G** Twilight setting

4. Electrical installation

To obtain the specified reach of 12 m, the sensor should be installed at a height of approx. 2 m. Install the unit on a firm surface to avoid unintentional triggering.

The mains supply lead is a 2 to 3-core cable:

L = phase conductor (usually black or brown)

N = neutral conductor (usually blue)

PE = protective-earth conductor (green/yellow)

Wiring diagram (**Fig. 4.1**)

Important: incorrectly wired connections will produce a short circuit later on in the product or your fuse box. In this case, you must identify the individual cables and re-connect them. A mains power switch for turning the unit ON and OFF may of course be installed in the mains supply lead.

Note: the light source in this light must only be replaced by the manufacturer or a service engineer authorised by the manufacturer or by a similarly qualified person.

Surface wiring

Underneath the mounting plate you will find two lugs for surface wiring. Break off one of the two lugs. Use the sealing plug to close off the cable opening in the mounting plate. Pierce the sealing plug and feed the cable through. Once the cable has been pushed through, you can screw the mounting plate to the mounting surface and complete the connection. (**Fig. 5.7**)

5. Mounting

- Check all components for damage.
- Do not use the product if it is damaged.
- Select an appropriate mounting location, taking the reach and motion detection into consideration. (Fig. 5.1)
- The most reliable way to detect movement is given by mounting the light to point across the direction in which people walk and by making sure no obstacles (e.g. trees, walls etc.) interrupt the line of sensor vision. (Fig. 5.2/5.3)

Mounting procedure

- Undo locking screw (Fig. 5.4) and detach enclosure (B) from wall mount (C). (Fig. 5.4)
- Switch OFF power supply. (Fig. 5.5)
- Mark drill holes. (Fig. 5.5)
- Drill holes and fit wall plugs. (Fig. 5.6)
- Fit sealing plug.
 - Power supply lead, concealed (Fig. 5.6)
 - Power supply lead, surface-mounted (Fig. 5.7)
- Connect conductors. (Fig. 5.8)
- Fit enclosure onto wall mount. (Fig. 5.9)
- Screw in locking screw. (Fig. 5.9)
- Switch ON power supply. (Fig. 5.9)

6. Functions

Factory settings:

Time setting: 10 seconds
Twilight level: 1000 lux

All functions can be set after removing the ring cover.

Time setting (stay-ON time) (Fig. 6.1/F)



The light's ON time can be set to any period from approx. 10 seconds to a maximum of 15 minutes. Any movement detected before this time elapses will restart the timer.


Note: After the light switches OFF, it takes approx. 1 sec. before it is able to start detecting movement again.

The light will only switch ON in response to movement once this period has elapsed. The shortest time setting is recommended when adjusting the detection zone and performing the functional test.

Twilight setting (response threshold) (Fig. 6.1/G)

The chosen response threshold can be infinitely varied from approx. 2-1000 lux.

- Control dial set to  = daylight mode (depending on ambient brightness)
- Control dial set to  = twilight mode (approx. 2 lux)

The control dial must be turned to  when adjusting the detection zone and performing the functional test in daylight.

Please note:

Because the sensor has such a long reach, objects heated up by sunlight (e.g. cars) may cause unwanted LED floodlight triggering when setting the detection zone.

We therefore recommend setting the detection zone at dusk.

Self-test

Once you have installed the wall mount and connected the LED floodlight to the power supply, it can be put into operation. The electronic system now carries out a self-test which lasts for approx. 1 minute. Once this has been completed, the sensor is active.

7. Reach adjustment

The detection zone can be optimised to suit requirements. The shrouds supplied with the sensor can be used to mask out as many lens segments as you wish or shorten reach to suit the particular situation. This prevents the light from being activated unintentionally, e.g. by cars, passers-by etc. and allows you to target danger spots (Fig. 7.1).

The shrouds can be separated along the pre-grooved divisions in the vertical and horizontal directions or cut with scissors. After removing the ring cover, the shrouds can be clipped on at the top of the sensor lens. Now push the ring cover back on again to hold the shrouds firmly in place (Fig. 7.2-7.4).

The sensor housing can also be turned through $\pm 80^\circ$ for precision targeting.

8. Operation/maintenance

The unit is not suitable for burglar alarm systems as it is not tamperproof in the manner prescribed for such systems.

Weather conditions may affect the way the LED floodlight works. Strong gusts of wind, snow, rain and hail may cause the light to come ON when it is not wanted because the sensor is unable to distinguish between sudden changes in temperature and persons.

The detector lens may be cleaned with a damp cloth if it becomes dirty (do not use cleaning agents).

9. 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.

10. Manufacturer's Warranty

This STEINEL product has been manufactured with the utmost care, tested for proper operation and safety and then subjected to random sample inspection. Steinel guarantees that it is in perfect condition and proper working order. The warranty period is 36 months and starts 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 of defective parts 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.

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

Repair service:

If defects occur outside the warranty period or are not covered by the warranty, ask your nearest service station for the possibility of repair.

3 YEAR
MANUFACTURER'S
WARRANTY

11. Technical specifications

| | |
|---------------------------------------|--|
| Dimensions W × H × D | 155 × 215 × 170 mm |
| Output | 20.5 W / 1760 lm / 86 lm/W |
| Power supply | 220 - 240 V, 50 / 60 Hz |
| Colour temperature | 4000 K (neutral white) |
| LED life expectancy | 50,000 hours (L70B10) |
| Sensor coverage angle | 240° with 180° angle of aperture |
| Sensor unit swivelling range | ± 80° |
| Floodlight tilting / swivelling range | swivelling ± 40° tilting + 110° to -40° |
| Time setting | 10 s - 15 min |
| Twilight setting | 2 - 1000 lux |
| Reach | max. 12 m |
| IP rating / impact resistance | IP44 / IK03 |
| Projected floodlight area | approx. 240 cm ² |
| Temperature range | -10°C to 30°C |

12. Troubleshooting

| Malfunction | Cause | Remedy |
|---|---|---|
| LED floodlight without power | <ul style="list-style-type: none"> ■ Fuse has tripped, not switched ON, break in wiring ■ Short circuit | <ul style="list-style-type: none"> ■ Activate, change fuse, turn ON power switch, check wiring with voltage tester ■ Check connections |
| LED floodlight will not switch ON | <ul style="list-style-type: none"> ■ Twilight setting in night mode during daytime operation ■ Mains power switch OFF ■ Fuse has tripped ■ Detection zone not properly targeted | <ul style="list-style-type: none"> ■ Adjust setting ■ Switch ON ■ Activate, change fuse, check connection if necessary ■ Readjust |
| LED floodlight will not switch OFF | <ul style="list-style-type: none"> ■ Continuous movement in the detection zone | <ul style="list-style-type: none"> ■ Check zone and readjust if necessary or apply shroud |
| LED floodlight keeps switching ON and OFF | <ul style="list-style-type: none"> ■ Animals moving in the detection zone | <ul style="list-style-type: none"> ■ Tilt sensor higher or apply specific shrouds; adjust detection zone or fit shrouds |
| LED floodlight switches ON when it should not | <ul style="list-style-type: none"> ■ Wind is moving trees and bushes in the detection zone ■ Cars on the road are being detected ■ Sudden change in temperature caused by weather (wind, rain, snow) or air discharged from fans, open windows ■ LED floodlight swaying (moving), resulting, for example, from gusts of wind or heavy precipitation | <ul style="list-style-type: none"> ■ Change detection zone ■ Change detection zone ■ Change detection zone, mount in a different place ■ Fit LED floodlight to a firm surface |

FR

1. À propos de ce document

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- Sous réserve de modifications techniques.

Explication des symboles



Attention danger !



Renvoi à des passages dans le document.

2. Consignes de sécurité générales



Avant toute intervention sur l'appareil, couper l'alimentation électrique !

- Pendant le montage, les conducteurs à raccorder doivent être hors tension. Il faut donc d'abord couper le courant et constater l'absence de courant à l'aide d'un testeur de tension.
- L'installation de cet appareil implique une intervention sur le réseau électrique et doit donc être effectuée correctement et conformément à la norme NF C-15100 (par ex. **DE** - VDE 0100, **AT** - ÖVE/ÖNORM E 8001-1, **CH** - SEV 1000).
- Le projecteur LED doit être à l'horizontale (± 15°).
- Le projecteur LED est conçu uniquement pour un montage mural et non pour un montage au plafond.
- Quand le projecteur fonctionne, le boîtier chauffe. Laisser refroidir le panneau LED avant de l'orienter.
- Les réparations ne doivent être effectuées que par des ateliers spécialisés.

3. LS 150 LED

Utilisation conforme aux prescriptions

- Projecteur LED pour le montage mural à l'intérieur et à l'extérieur.
- Panneau LED à orientation libre et détecteur ajustable.

Le projecteur LED est muni d'un capteur pyroélectrique de 240° qui détecte le rayonnement de chaleur invisible émis par les corps en mouvement (personnes, animaux, etc.). Ce rayonnement de chaleur capté est ensuite traité par un système électronique

qui enclenche le projecteur. Les obstacles comme les murs ou les vitres s'opposent à la détection du rayonnement de chaleur.

Contenu de la livraison (**fig. 3.1**)
Orientabilité de la tête du projecteur (**fig. 3.2**)
Dimensions du produit (**fig. 3.3**)
Vue d'ensemble de l'appareil (**fig. 3.4**)

- A** Tête du projecteur LED
- B** Boîtier
- C** Support mural
- D** Détecteur
- E** Anneau de protection
- F** Temporisation
- G** Réglage du seuil de déclenchement

4. Installation électrique

Pour obtenir la portée indiquée de 12 m, il faut monter le détecteur à une hauteur de 2 m environ. Pour éviter les déclenchements intempestifs installer l'appareil sur un support solide.

La conduite secteur est composée d'un câble à 2-3 conducteurs :

- L** = phase (généralement noir ou marron)
- N** = neutre (généralement bleu)
- PE** = conducteur de terre (vert/jaune)

Schéma de raccordement (**fig. 4.1**)

Important : une inversion des branchements entraînera plus tard un court-circuit dans l'appareil ou dans le boîtier à fusibles. Dans ce cas, il faut identifier les câbles et les raccorder en conséquence. Il est bien sûr possible de monter sur le câble secteur un interrupteur permettant la mise en ou hors circuit de l'appareil.

Remarque : seulement le fabricant, un technicien de maintenance mandaté par le fabricant ou une personne ayant une qualification semblable est autorisé(e) à remplacer la source lumineuse de ce luminaire.

Câblage en saillie

Afin de permettre le câblage en saillie, la plaque de montage présente en bas deux languettes. Plier une des deux languettes. Fermer l'ouverture du câble de la plaque de montage avec un bouchon étanche. Percer le bouchon étanche puis faire passer le câble par l'orifice pratiqué. Après avoir passé le câble, visser la plaque de montage et procéder au branchement. (**fig. 5.7**)