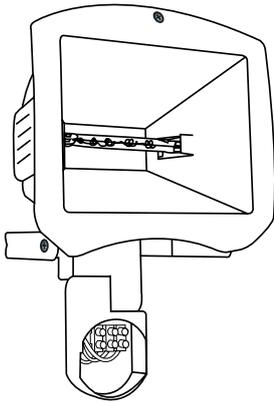


Mounting instructions - Floodlight AL5-RC-plus next 500



LUXOMAT® AL5-RC-plus next 500

1. Function

The 500 W floodlight is supplied with a plug-in socket only for the LUXOMAT® RC-plus next series. By means of this any combination of 130°, 230° or 280° version can be achieved with a minimum of stockkeeping.

You can get LUXOMAT® RC-plus next motion detectors with 3 different detection areas: 130°, 230° or 280°.

So you can attach the best motion detector to the floodlight to cover every field of application.

2. Technical data

Power-supply: 230V~ ±10%
Lamp: R7 s (118 mm) max. 500 W
Protection: IP44 / I / C E
Housing: made of die-cast aluminium
Ambient temperature: -25° C to +50° C
Dimensions: H 160 x W 184 x D 290 mm

Description	Colour	Part No.
AL5-RC-plus next	white	92401
AL5-RC-plus next	black	92400

Accessory

Fluo lamp 33316
 CdST-AP 92367
 RC-plus next 130 / 230 / 280

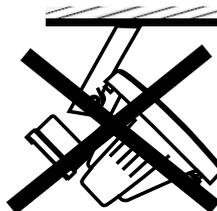
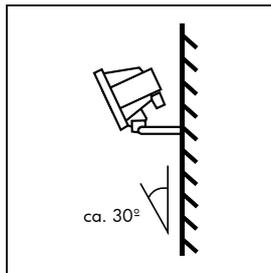
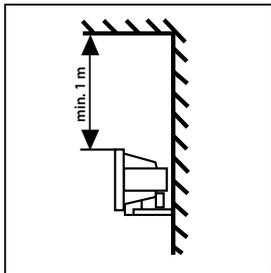
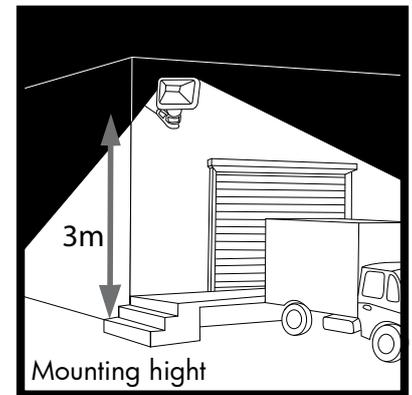
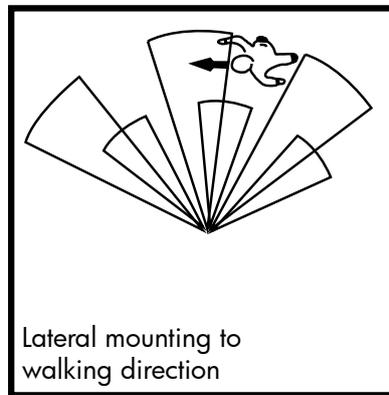
3. The right mounting place

The floodlight must be mounted on a solid wall, protected against rain, wind and sunradiation.

The recommended mounting height is 3 m. The distance between floodlight and illuminated surface must be a minimum of at least 1 m. Also the distance to the street or to a neighbouring house should be considered before fixing the unit.

When the walking direction is lateral to the detection field of the motion detector, an optimum functioning of the motion detector will be achieved. Moving frontally towards the motion detector gives a much shorter range.

(See also LUXOMAT® RC-plus next motion detector manual)



4. Installation

Before installation the mains to be cut off.

The installation can only be done by an electrician.

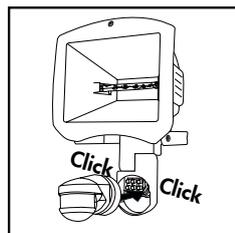
Two holes for 6 mm pegs to be drilled in a distance of 50 mm. The enclosed hexagon screws to be screwed in and now hang on the floodlight.

(Do not forget the washers!)

Open the junction box by unfastening the 4 screws of the cover. In order to get the right protection against water ingress insert the cable through the cable inlet and connect the wires accordingly to schematic. Fasten cover again.

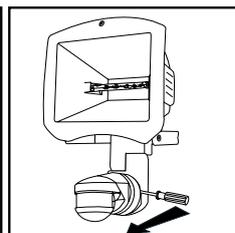
Adjust floodlight for the right detection and illumination field and tighten the bracket hexagon screws.

(See also LUXOMAT® motion detector manual).



Plugging-in

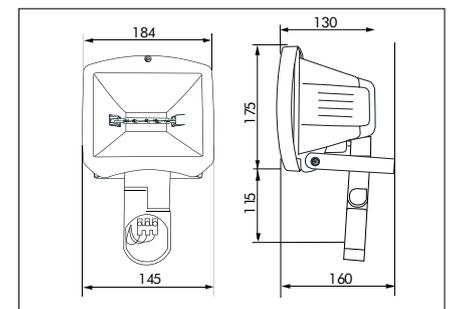
For plugging-in to produce with the hand the right counter pressure.



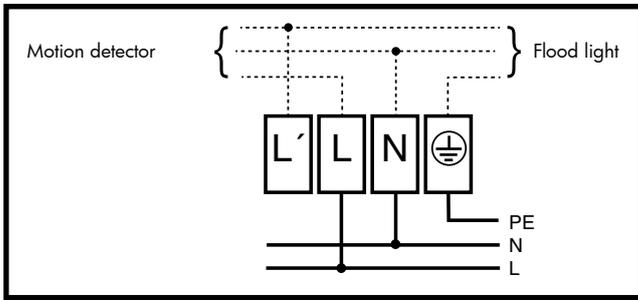
Unplugging

To remove the motion detector from the socket to use a small screwdriver as shown in picture.

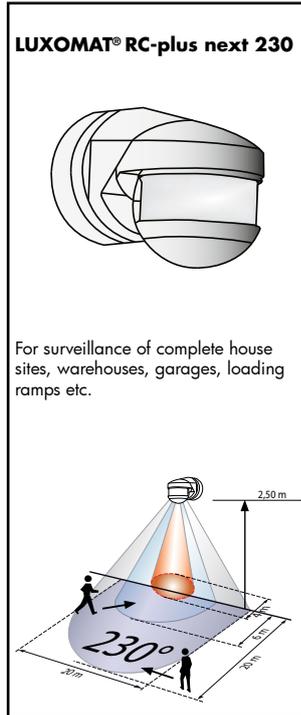
5. Dimensions (mm)



6. Wiring diagram



7. Detection area at 2.50 m mounting height



8. Troubleshooting

What should be done if ...	Possible problems	Solutions
1. The lamp being controlled by LUXOMAT® does not switch on.	<ul style="list-style-type: none"> - The halogen lamp is defective. - The mains voltage is not present. - The twilight value switch-on threshold is not correctly adjusted. - Incorrect adjustment of the detection zone - The detector is installed too high. - The lenses in the sensor section are dirty. 	<ul style="list-style-type: none"> - Replace the halogen lamp. - Check the connection and the fuses. - Correct the switch-on threshold of the twilight switch using the rotary control. - Change the detection zone. - Change the installation height (maximum 3 meters). - Clean the sensor lenses.
2. The lamp turns on too late.	<ul style="list-style-type: none"> - The detector is installed too high. - People approach the sensor directly. 	<ul style="list-style-type: none"> - Change the installation height (maximum 3 meters). - Install the sensor in such a way that the detection zone is intersected.
3. The lamps remain permanently switched-on.	<ul style="list-style-type: none"> - Permanent movement of a heat source in the detection zone - A switch has been installed parallel to the sensor in order to enable manual switching. 	<ul style="list-style-type: none"> - Remove the heat source from the detection zone. Check for correct functioning by covering the lens (the lamp must then switch-off). - Put the switch in the "Sensor" position in order to prevent manual switch-on.
4. Unwanted switching-on of the light	<ul style="list-style-type: none"> - Permanent movement of heat sources in the detection zone (trees, bushes being moved by the wind, the presence of cats or dogs in the detection zone) - Direct sunshine on the sensor lens - The sensor is placed directly over an air exhaust. 	<ul style="list-style-type: none"> - Change the range of the sensor by changing the inclination or by attaching the shades to the lens. - Protect the lens from direct sunshine. - Install the sensor at a different location.
5. The detector range is too small.	<ul style="list-style-type: none"> - The sensor installation height is not optimal (too high or too low) - People directly approach the detector. - Hillside location 	<ul style="list-style-type: none"> - Change the installation height (2.50 meters). - Install the sensor in such a way that the detection zone is intersected. - Change the detector inclination.
6. Does not detect vehicles	<ul style="list-style-type: none"> - The vehicle engine is not yet warm (weak heat source) 	

10. Mounting or replacement of the halogen lamps

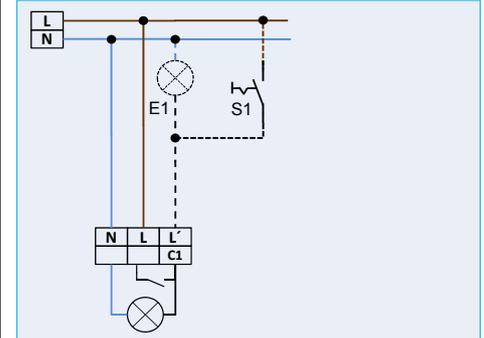
Always verify that the mains voltage has been isolated whenever the halogen lamps need to be replaced.

Caution: The floodlight can reach very high temperatures!

- Allow the lamp and the enclosure to cool down.
- Remove the fastening screw from the enclosure of the floodlight and open the enclosure.
- Grasp the defective halogen lamp tightly and remove it from its bracket.
- Do not touch the replacement lamps with your hands.
- Place the halogen lamp into the bracket.
- Close the enclosure and be sure that the sealing ring is properly seated.
- Close the enclosure with the fastening screws.

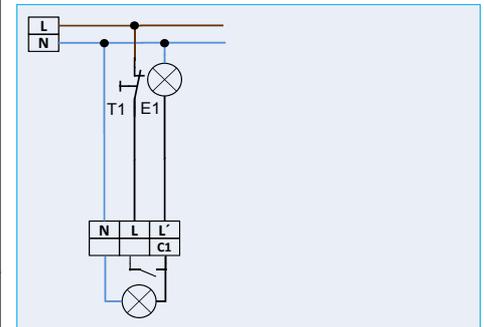
11. Wiring diagrams

Standard mode with 1-channel motion detector external



S1 = switch for permanent light

Standard mode with 1-channel motion detector with NC pushbutton

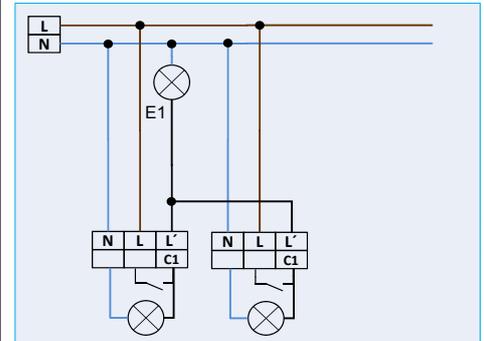


T1 = NC button

Manual switching additionally possible (press opener approx. 2 sec.).

The position of the potentiometers should not be on "test" or "sun". If so, the pre-set time and safety values get lost.

Standard mode with 1-channel motion detector



RC-plus next max. 5 parallel