

How it works

Light will switch on automatically when motion is detected!

The Luzern motion detector will switch light on automatically when motion is detected. It will only switch off when there is no other detectable motion. A time delay knob on the back lets you adjust the switch-off time from 8 seconds to 30 minutes.

The Luzern motion detector has an infrared sensor that reacts to changes in the heat pattern. This means that every single motion of surrounding heat sources is registered.

Brightness detection!

The Luzern motion detector measures the brightness in the surrounding area. If there is sufficient daylight, the light will not switch on. The daylight value that makes the light to switch on is adjustable with the LUX pot meter on the back.

Important information

1. Switch off the power before mounting!
2. Not applicable for security systems.
3. Only install the Luzern motion detector according to the mounting instructions.
4. The Luzern motion detector is only suitable for interior use.
5. When the power is turned on, the Luzern motion detector will configure itself. During this period of a maximum of 20 seconds the connected LEDs are always on. If they are on for a longer period, than this has to do with the configured time delay through the LUX pot meter on the back.
6. Only use the Luzern motion detectors in combination with Lumotech LED drivers that are suitable for the Luzern series.
7. A **minimum of two LED modules** have to be installed to use the motion detector.

Test setting

To test the Luzern motion detector, use the following settings:

Turn the TIME knob to the lowest value (8 sec) and turn LUX to the maximum value (1000). The motion detector will now activate the LEDs.

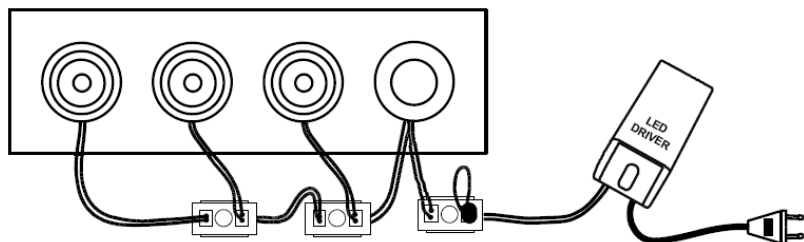
When voltage is on for the first time the motion detector needs 20 seconds to configure itself. The LEDs are always on during that time.

Technical specifications

Range	Ø 6 meter (with an angle of 110° and a height of 2.4 - 2.6 meter)
Time settings	8 sec – 30 min
Brightness settings	50 – 1000 Lux
Ambient temperature	-20 °C – +50 °C
Connections	Lumoluce connector system (input and output)

Connection scheme

Luzern LED modules, one Luzern motion detector and one Lumotech driver



Settings

Time delay

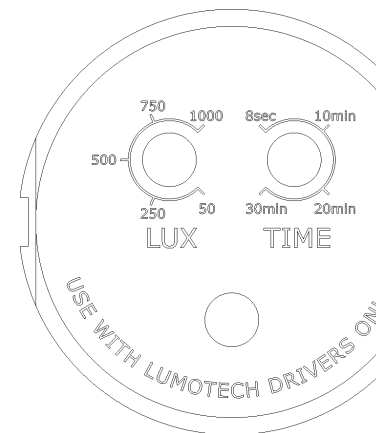
The motion detector is equipped with a stageless adjustable timer. This timer allows you to set the time delay (this is the period the light stays on after the last motion). Every setting between 8 seconds and 30 minutes is possible. Light switches off when no more motion is detected.

Brightness detection

The brightness detection prevents lights from switching on when there is sufficient daylight. This daylight value is adjustable with the stageless LUX pot meter.

If the LUX value is set low, and the evening starts to fall, the light will switch on at a later time.

If the amount of light is under the specified LUX value, the LED will shine when motion is detected. The LED will only switch off when motion is now longer detectable. This prevents on and off switching caused by other surrounding light. To disable this option you can set the pot meter at 1000 LUX (max.)



Mounting instructions

Position

For an ideal operation keep in mind the following:

The ideal height is 2.4 – 2.6 meter. The detection reach at that height is about 6 meter, at an angle of 110°. Place middle of a space. Distance from doors is at least 2.5 meter. Try to keep out of direct and indirect light and rad sources. Don not place in a direct air flow of light and heat installations, for instance central heating or air-condition

Ceiling mounting

The Luzern motion detector is optimized to fit in one of the Luzern integrated LED plates. The module fits in a : where normally LED modules are fitted.

How to connect

Switch off the power before mounting!

Connect the wire with the plug directly to the connector block of the LED driver. Connect the preferred LED modu the connector block of the motion detector in the same way as the output of the driver. The amount of LED modu limited by the type of driver that is used. The motion detector has no influence on the amount of LED modules the be connected.

When using the Luzern motion detector, it is not possible to connect other LED modules directly to the driver in or let them shine continuously. Neither is it possible to connect more than one motion detector to a driver.