

D3 Light Blade



Installation Guide

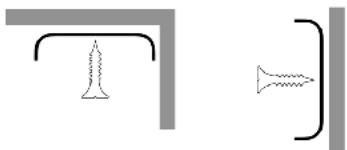
Thanks for choosing the D3 Light Blade, in this box you will find a weatherproof LED light, 2 mounting clips and fixing screws.

Installation

This light can be fixed underneath an overhang such as a windowsill, above a garage door or fixed directly to a wall. The mounting height should ideally be between



2-5m. The clips can be fixed vertically or horizontally. Screw the 2 mounting clips about 25-45cm apart (depending on which length light) to the wall (or overhang) with the supplied screws.

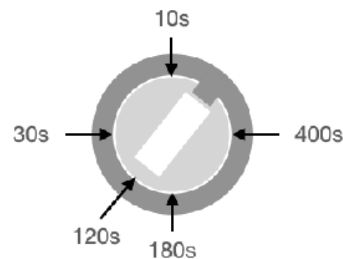


The distance between the clips isn't critical as they can fit on anywhere along the length of the aluminium part of the light. To mount the light simply fit one edge into the top or bottom of the clips then twist it round until it clicks into place. The cable should be routed indoors or connections made in a weatherproof junction box. Recommended maximum cable run between the power supply and the light is 50m when using 0.5mm cable.

Adjustment

The default dwell time is for the light to remain on for 90 seconds after last activation, if this needs to be adjusted it's easiest to do that before installation as the rear cover has to be removed. There is an internal rotary adjuster to increase or decrease the dwell time, remove the sensor end cap rear cover, taking care not to lose the 4 screws.

Use a small flat blade screwdriver or potentiometer adjuster to increase the dwell time by rotating anti-clockwise or decrease the dwell time by rotating clockwise. Maximum dwell time is 400 seconds after last detection. Minimum dwell time is 10 seconds.



External Strobe Alarm Input

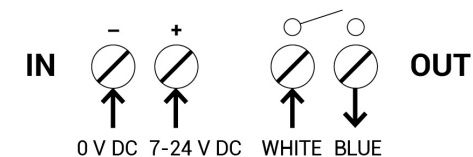
The blue and white wires at the end of the cable allow the blue/red strobe alarm feature to be triggered by an external source such as the Relay DC-W. The input is a digital input and requires a state change to "closed" to activate. It will strobe for as long as the input state is "closed". The dwell setting of the D3 Light Blade has no bearing on the external trigger input neither does the dusk/dawn sensor. When the alarm input is triggered the white LEDs will turn off.



Manual Light Control

The green and yellow wires trigger manual control of the white LED floodlight function, allowing the light to be turned on from external control rather than the integrated PIR/Photocell. The light will remain on as long as the input is shorted. The blue/red strobe alarm input will override manual light control.

When installing with the Relay DC-W, see wiring diagram below. To trigger white light on PIR detection and red/blue strobe on alarm, connect the red and black wires to your 12V power supply. Connect the blue and white wires to the relay output, and leave the green and yellow wires unconnected.



- Green - Light Input
- Yellow - Light input
- White - Strobe Alarm
- Blue - Strobe Alarm
- Red - 12vDC input +ve
- Black - 12vDC input -ve

Specifications

Power	12vDC 18W
Light Power	2000 Lumens
Energy	18w A++
PIR Range	9m
Detection Zone	120° H x 90° V
Dusk/dawn Point	20 Lux
Weatherproof	IP-65
Operating Temp	-20°C to +50°C
LED Lifetime	35,000 Hours
Dimensions	685 x 32 x 32mm
Weight	500g

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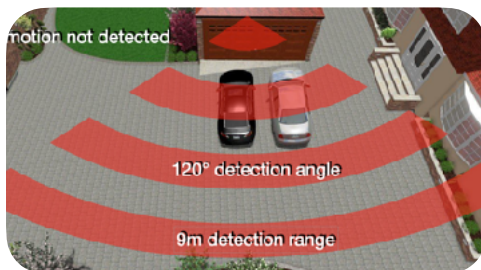
Operation

The D3 Light Blade security light has a flashing blue Status LED to let you know it's powered on and ready.

The floodlight will only come on when it is dark and the PIR sensor detects motion, the light will stay on as long as there is movement and then for the set dwell time after movement has stopped.

The motion sensor covers an area very similar to the illuminated area – about 90° vertically and 120° horizontally, so as long as the light has been installed correctly the sensor will be aimed in the right direction

This light uses the latest in digital sensing technology, there are no further adjustments necessary. To reset the sensor simply disconnect then reconnect after 10 seconds, this will recalibrate the sensor.



Trouble shooting

When you first power on the light it will illuminate for a second or so then turn off, the blue warning LED will begin to flash.

No flashing blue Status LED:

- Check the power supply to ensure 12vDC is reaching the D3 Light Blade.
- Make sure the power cable has not been damaged during the installation.

Light not turning on:

- Check that the blue status LED is flashing - so we know the light is powered and ready
- Is it dark enough? The light only works when the light level falls below 20 lux – this is night time but perhaps there is another light source that is affecting the sensor?
- Is the motion sensor able to see the movement – is there anything blocking the sensor that might prevent it from detecting human movement? Try waving your hand directly in front of the light when it's dark
- Are there any CCTV cameras close that are pointing at the light? Some cameras have built in Infra-red lights that will reduce the performance of the motion sensor.

Light stays on or is on most of the time at night:

- Is the dwell time set too long?
- Is there something that is constantly moving in front of the sensor?
- Are there other heat sources moving within 9m of the light? A hot air vent, road traffic or some

other moving object that could be triggering the sensor?

Alarm Strobe not working

- Are the wires being shorted (Normally/Open going closed)?
- If alarm inputs are parallel wired between multiple lights, maintain the same colour coding throughout.

Maintenance

The D3 Light Blade light uses very efficient LEDs that are designed to last for more than 35,000 hours – that's over 20 years at an average of 4 hours each night. So there are no bulbs to replace.

Like any light you will get the best performance if it's clean, the motion sensor lens should also be kept clean and free of cobwebs or dust - use a damp cloth to wipe the front of the light down every so often.

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Designed in the UK,
manufactured in China

www.texecom.com

Texecom Ltd, St Crispin Way, Haslingden,
Lancashire, BB4 4PW, UK

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