
Ace Lamps

A division of Direct Electrical Services

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Exterior Wall Lights Buying Guide

Garden lighting is an area that is often forgotten when planning lighting schemes but must be one of the most effective ways of lighting your home and adding a stunning look for a guest coming to the house. Garden wall lights if used correctly can create excellent effects for both entertaining in the garden and for security around the house.

The choice of style and sizes is vast with designs to suit every taste and budget it is important to first decide the areas to be illuminated and whether the lighting is to be for security, entertaining or both.

Security lighting doesn't have to be the unsightly flood lights any more as the movement (PIR) sensors can now be used for the decorative wall lights. There are also options to have a separate photocell sensor. Below is a more in depth description of these products.

PIR Sensor

A PIR sensor (Passive Infra Red) works on movement so a person walking past the sensor will trigger the light to come on. The sensors are mounted separately to the light although as you will see further down the page we do supply a number of wall lights with the PIR sensor built in.



[Click here to view PIR sensor details](#)

The advantage of the stand alone PIR sensor is that it can be mounted away from the light fitting to trigger as soon as a person enters the driveway rather than when the person is directly in front of the wall light. Also the stand alone PIR sensor can be use to trigger a number of lights to come on at the same time. These PIR sensors are available in both black and white colours. The sensor comes with various adjustments such as the length of time the light comes on for and the level of light that you want the PIR to start operating at.

Photocells

A photocell works on the light levels. It has a tiny sensor built in that will turn the lights automatically on at dusk and off again at dawn which takes the hassle out of remembering to switch the lights on at night if used for security.



[Click here to view photocell details](#)

Types of finish available for wall lights:

Wall lights come in a wide range of finishes to suit everybody. There is the standard black, white and green colours which are lacquer over a solid aluminium base. There is stainless steel which only requires minimum maintenance to keep it in good condition, a light rub over with cooking oil ensures this. Copper is a classic exterior wall light finish which over time will age to give a fantastic rustic look. Galvanised steel which requires no maintenance. Our fittings come with a number of different glass finishes which need to be considered clear and opal and may affect the choice of lamp to use opal glass always looks better with a low energy lamp as the lamp is not visible.

Fittings with PIR sensors built in:

We have a number of exterior wall lights in the range which as talked about above have built in PIR sensors below is a quick reference list of the fittings that have this. Click on them to view the product.

[YG-3004](#)

[FIRENZE 7230 BLACK](#)

[PARMA 7235 BLACK](#)

[AREZZO 7577](#)

[FIRENZE 7236 BLACK](#)

[AREZZO 7581](#)

[YG-018-SS](#)

[FIRENZE 7230 WHITE](#)

[FIRENZE 7230 GREEN](#)

[PARMA 7235 GREEN](#)

[YG-3005](#)

[FIRENZE 7236 WHITE](#)

[SYDNEY STAINLESS STEEL](#)

[TIN STAINLESS STEEL](#)

Lamps to use in exterior wall lights

Our product pages indicate the maximum wattage of lamp that can be used in the light fitting but you can of course use a lower wattage if required. We also indicate whether the light fitting is suitable for use with a low energy equivalent lamp which can give huge savings on electricity bills if the lights are used a lot. Below gives a cross reference to which low energy lamps to use instead of the standard GLS type light bulb.

60 watt GLS lamp

11 or13 watt low energy lamp

75 watt GLS lamp

15 or18 watt low energy lamp

100 watt GLS lamp

20 watt low energy lamp

Modern low energy lamps come in a few different styles so you don't have to worry about having an ugly looking energy saver lamp in your wall light. Click [here](#) to view our range of energy saver lamps.

Corner brackets:

We supply a number of our exterior wall light fittings with optional corner brackets we indicate on the individual light fitting product page at the bottom if the fitting has the corner bracket available, The corner brackets are available in black, green and white colours. The list below shows all of the fittings that have a corner bracket option, click the fitting name to view the product.

[CASSIOPEIA 480 BLACK](#)

[FREJA 504 BLACK](#)

[GEMINI 503 BLACK](#)

[HEIMDAL 401 BLACK](#)

[LIBRA 581 BLACK](#)

[LIBRA 619 BLACK](#)

[LYRA 485 BLACK](#)

[NOVA 406 BLACK](#)

[PALLAS 481 BLACK](#)

[PALLAS 483 BLACK](#)

[PALLAS 518 BLACK](#)

[PALLAS 519 BLACK](#)

[RIGEL 605 BLACK](#)

[VEGA 556 BLACK](#)

[VIRGO 568 BLACK](#)

[VIRGO 571 BLACK](#)

[ARCTURUS 554 WHITE](#)

[CASSIOPEIA 480 WHITE](#)

[GEMINI 503 WHITE](#)

[LIBRA 581 WHITE](#)

[LIBRA 619 WHITE](#)

[LYRA 485 WHITE](#)

[NOVA 406 WHITE](#)

[PALLAS 481 WHITE](#)

[PALLAS 483 WHITE](#)

[PALLAS 518 WHITE](#)

[PALLAS 519 WHITE](#)

[RIGEL 605 WHITE](#)

[VEGA 556 WHITE](#)

[VIRGO 568 WHITE](#)

[VIRGO 571 WHITE](#)

[CASSIOPEIA 480 GREEN](#)

[PALLAS 481 GREEN](#)

[PALLAS 483 GREEN](#)

[PALLAS 518 GREEN](#)

[PALLAS 519 GREEN](#)

[RIGEL 605 GREEN](#)

[VEGA 556 GREEN](#)

[VIRGO 568 GREEN](#)

[VIRGO 571 GREEN](#)

[FENIX 432 COPPER](#)

[FENIX 433 COPPER](#)

Additional information:

As we all know moisture is highly conductive so outside lighting must be installed with care to ensure safety, all exterior wiring must be insulated and all metallic surfaces must be earthed. We would recommend that a qualified electrician carry out the installation and that he fits and RCD to the circuit.

Any type of mains voltage lights that are used outdoors must be watertight and durable. An IP rating is given to indicate the level of protection (see below for a full explanation of IP ratings). All of our exterior wall lights have the necessary IP ratings

IP RATINGS EXPLAINED

EN 60529 outlines an international classification system for the sealing effectiveness of enclosures of electrical equipment against the intrusion into the equipment of foreign bodies (i.e. tools, dust, fingers) and moisture. This classification system utilizes the letters "IP" ("Ingress Protection") followed by two or three digits. (A third digit is sometimes used. An "x" is used for one of the digits if there is only one class of protection; i.e. IPX4 which addresses moisture resistance only.)

Degrees of protection – First Number

The first digit of the IP code indicates the degree that persons are protected against contact with moving parts (other than smooth rotating shafts, etc.) and the degree that equipment is protected against solid foreign bodies intruding into an enclosure

Number	Description
0	No Protection
1	Protection from a large part of the body such as a hand (but no protection from deliberate access); from solid objects greater than 50mm in diameter.
2	Protection against fingers or other object not greater than 80mm in length and 12mm in diameter.
3	Protection from entry by tools, wires, etc., with a diameter of thickness greater than 1.0mm.
4	Protection from entry by solid objects with a diameter or thickness greater than 1.0mm
5	Protection from the amount of dust that would interfere with the operation of the equipment.
6	Dust tight

Degrees of protection - Second Number

The second digit indicates the degree of protection of the equipment inside the enclosure against the harmful entry of various forms of moisture (e.g. dripping, spraying, submersion, etc.)

Number	Description
0	No special protection
1	Protection from dripping water.
2	Protection from vertically dripping water.
3	Protection from sprayed water.
4	Protection from splashed water.
5	Protection from water projected from a nozzle
6	Protection against heavy seas, or powerful jets of water
7	Protection against immersion
8	Protection against complete, continuous submersion in water.

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