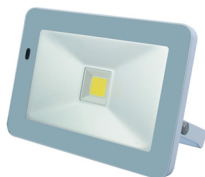


# PRO-ELEC



## LED Floodlight with Microwave Sensor

### IMPORTANT SAFETY INFORMATION

**Please read these instructions carefully before use and retain for future reference.**

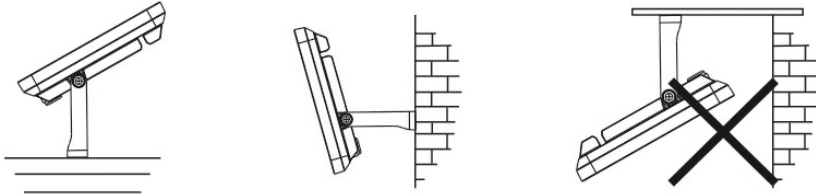
**This floodlight must be installed by a qualified electrician in accordance with current Building and IET Wiring Regulations.**

- This product must be connected to Earth (⊕).
- The front of this floodlight is made of tempered glass, which cannot be replaced. Please take care while installing. If it gets damaged, the floodlight must be disposed of and replaced.
- LED lamps are extremely bright. To avoid possible damaged to the eyes, do not stare into an LED beam.
- In use, avoid touching any external surface of the floodlight due to the possibility of high temperatures.
- If the mains cord lead of this floodlight is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
- The floodlight can be mounted on normally flammable surfaces.
- The floodlight is suitable for use in an ambient temperature of between -30°C and +45°C.
- Terminal block is not included. Installation may require advice from qualified personnel.

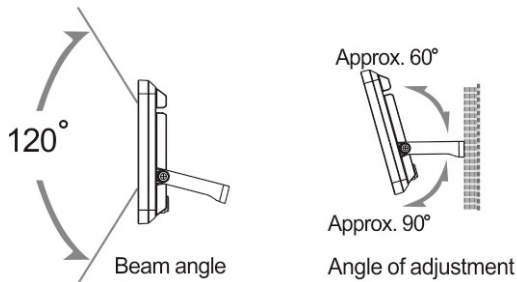
### POSITIONING

- This floodlight is suitable for outdoor lighting applications, for domestic use only. Do not use in areas where an explosive or chemical atmosphere may exist. Do not use in areas where ventilation is restricted.
- It is suitable for mounting on plasterboard, wood or masonry surfaces. Highly flammable surfaces, such as polystyrene must not be used. Do not install on damp or conductive surfaces, such as metal. It should be placed away from any flammable materials.

- Before drilling any fixing holes, check that there are no hidden obstructions behind the mounting surface, such as pipes or cables.
- The recommended height for installation of the floodlight is between 1.8 and 2.5 metres.
- Ensure that there is space around the floodlight to allow adequate circulation of air.
- Orientation of the floodlight is important as the following images show.



The floodlight has a beam angle of 120°. It can be tilted upwards at an angle of approximately 60° and downwards at an angle of approximately 90°. The angle of adjustment will vary slightly between models.



## INSTALLATION

The floodlight is suitable for connection to a 200-240V, 50Hz, earthed supply. It is designed for permanent connection to fixed wiring, which must be a suitable circuit protected by an RCD and an MCB or fuse of the correct rating.

Ensure that the mains supply is isolated before commencing the installation.

- Check that the floodlight is not damaged. If there is any damage, return it to the place where you purchased it. Do not attempt to repair it yourself.
- Choose your location to fix the floodlight, taking into account the guidance above.
- Use the floodlight bracket to mark the position of the fixing holes.
- Drill the fixing holes, and fix the floodlight into position using the appropriate size screws and wall plugs (not provided). Check that it is securely fixed.
- Connect the mains lead from the floodlight to an IP rated junction box. Ensure that the correct polarities for Live, Earth and Neutral are observed i.e.
  - > Green/yellow - Earth terminal  $\oplus$
  - > Brown - Live terminal 'L'
  - > Blue - Neutral terminal 'N'

After wiring, check that there are no bare wires, all the wires have been correctly connected and that the cable restraint has been tightened.









- Before connecting the power, perform the electrical tests specified in the current Building and IET Wiring Regulations to ensure that the installation is safe and that the wiring has been performed correctly.
- Switch on the electricity to check that the floodlight illuminates. Adjust the angle of the floodlight so that it illuminates the required area. Tighten the floodlight using the bolts on the brackets.

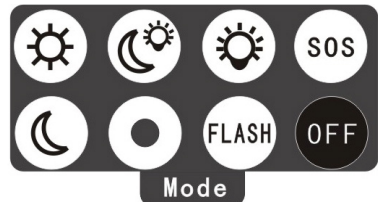
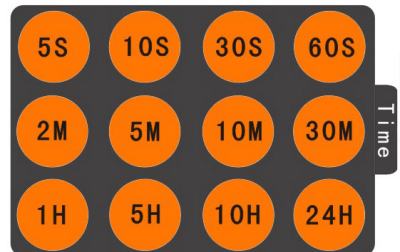
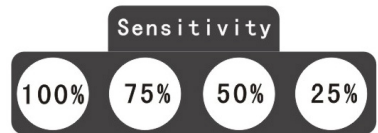
## REMOTE CONTROL

- The distance between two luminaires should be more than 50cm, with no large metal obstructions in front of the luminaires.
- The default settings:
  - > Sensitivity: 100%
  - > Duration time: 10s
  - > Mode: Daylight

Sensitivity	
100%	7~8m
75%	5~6m
50%	3~4m
25%	1~2m

Time (Duration time from light on to off)	
Minimum:	5 seconds
Maximum:	24 hours

Mode	
	Daylight mode (sensor works both in the day and at night)
	Nightlight mode (sensor works only at night, < 50 lux)
	Photocell mode (the floodlight lights automatically at night, < 50 lux)
	Not supported by this model
	Manual override mode: keep light on all of the time
	Flash mode
	SOS mode
	Off mode



## CLEANING & MAINTENANCE

- Clean the floodlight only with a soft, dry cloth. Do not use any chemicals, abrasives or solvents that may damage the floodlight.
- The floodlight has a sealed LED lamp and is maintenance free. The LED lamp cannot be replaced. When the LED lamp reaches the end of its life, the floodlight will have to be replaced.

## SPECIFICATION

	PEL00416	PEL00417	PEL00418
<b>Input Voltage</b>	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz
<b>Lumens</b>	680lm	1400lm	2100lm
<b>Wattage</b>	10W	20W	30W
<b>Beam Angle</b>	120°	120°	120°
<b>Dimmable</b>	No	No	No
<b>Nominal lifetime of lamp</b>	30,000h	30,000h	30,000h
<b>No. of switching cycles</b>	15,000	15,000	15,000
<b>Colour temperature</b>	6500K	6500K	6500K
<b>Colour rendering (CRI Ra)</b>	≥ 65	≥ 65	≥ 65
<b>Warm up time (60% full light)</b>	Instant full light	Instant full light	Instant full light
<b>Sensor</b>	Microwave sensor	Microwave sensor	Microwave sensor
<b>Detection angle</b>	160°	160°	160°
<b>Sensitivity</b>	1-8m	1-8m	1-8m
<b>Floodlight on time</b>	5s - 24h	5s - 24h	5s - 24h
<b>Ingress rating</b>	IP65	IP65	IP65
<b>Earthing</b>	Class I	Class I	Class I
<b>Max. projected area of floodlight (mm)</b>	130 x 90	180 x 126	210 x 147
<b>Dimensions (mm)</b>	130 x 90 x 34	180 x 126 x 36	210 x 147 x 37
<b>Weight</b>	0.37kg	0.58kg	0.77kg



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronics Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.

