

PRO-ELEC



LED Floodlight with PIR

**Models: PEL00500, PEL00501,
PEL00502 & PEL00503**

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

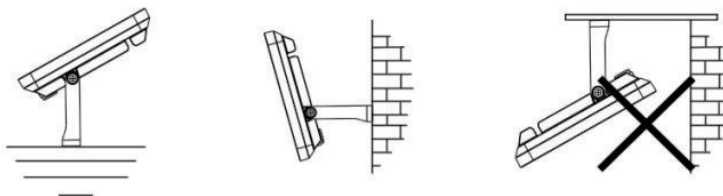
This floodlight must be installed by a qualified electrician in accordance with current building and IET wiring regulations (BS7671).

IMPORTANT SAFETY INFORMATION

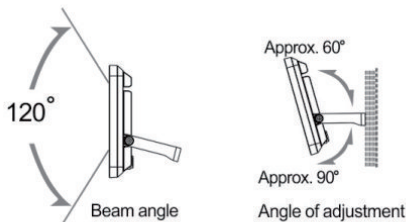
- This product must be connected to Earth.
- The front of this floodlight is made of tempered glass, which cannot be replaced. Please take care while installing. If it gets damaged, the floodlight must be replaced and disposed of.
- LED lamps are extremely bright. To avoid possible damage to the eyes, 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 shall be replaced by the Manufacturer or its service agent, or a similarly qualified person to avoid a hazard.
- The floodlight can be mounted on normally flammable surfaces.
- The floodlight is suitable for use in an ambient temperature between -30°C and +45°C.
- Terminal block not included. Installation may require advice from a qualified person.

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 plastic or 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 0.5 and 3 metres.
- Ensure that there is space around the floodlight to allow adequate circulation of air.
- Orientation of the floodlight is important as shown below:



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



INSTALLATION

The floodlight is suitable for connection to a 220-240V, 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 installation.

Before beginning installation, check that you have all the tools you need.

- Check that the floodlights and its mains lead are not damaged. If there is any damage, return it to the place of purchase. Do not attempt to repair it yourself.
- Choose the location to fix the floodlight, taking into account the guidance above.
- Use the floodlight bracket to mark the position on 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 main lead from the floodlight to an IP rated junction box. Ensure that the correct polarities for Live, Earth and Neutral are observed:
 - Connect the green/yellow Earth wire to the Earth terminal 'E'.
 - Connect the brown Live wire to the Live terminal 'L'.
 - Connect the blue Neutral wire to the 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 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 luminaries should be more than 50cm, while there should be no large metal obstructions in front of the floodlight.
- The default settings are:
 Mode: Daylight
 Duration time: 5 seconds
 Sensitivity: 100%

Mode	
	Daylight mode: the sensor will work both in the daytime and at night.
	Nightlight mode: the sensor will work only at night, <50lux.
	Photocell mode: the luminary light on automatically at night, <50lux.
	Manual override mode: keep the light on all of the time.
	Off mode.

Duration Time	
	5/10/30 seconds
	1/5/10 minutes
	20/30/40 minutes
	2/5/7 hours

Detection Range	
	Max. mode: 5-7 metres
	Mid. mode: 3-5 metres
	Min. mode: 1-3 metres



SPECIFICATION

	PEL00284	PEL00285	PEL00286	PEL00287
Input voltage	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
Lumens	680lm	1400lm	2100lm	3500lm
Wattage	10W	20W	30W	50W
Beam angle	120°	120°	120°	120°
Dimmable	No	No	No	No
Nominal lifetime of lamp	30,000h	30,000h	30,000h	30,000h
Number of switching cycles	15,000	15,000	15,000	15,000
Colour temperature	6500K	6500K	6500K	6500K
Colour rendering	≥65	≥65	≥65	≥65
Warm up time (60% full light)	Instant full light	Instant full light	Instant full light	Instant full light
Sensor	PIR motion sensor	PIR motion sensor	PIR motion sensor	PIR motion sensor
Detection angle	90°	90°	90°	90°
Sensitivity (max)	7m	7m	7m	7m
Installation height (m)	1.8 - 2.5	1.8 - 2.5	1.8 - 2.5	1.8 - 2.5
Ingress rating	IP44	IP44	IP44	IP44
Earthing	Class I	Class I	Class I	Class I
Max. projected area of floodlight (mm)	130 x 90	180 x 126	210 x 147	260 x 182
Dimensions (mm)	130 x 90 x 34	180 x 126 x 36	210 x 147 x 37	260 x 182 x 41
Weight	0.37kg	0.58kg	0.77kg	1.58kg



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 & Electronic 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.

