

# CHALLENGER

YOUR PARTNER IN A MORE SECURE FUTURE

## LED LANTERN LIGHT WITH PIR SENSOR MODEL: SL30 SL30W

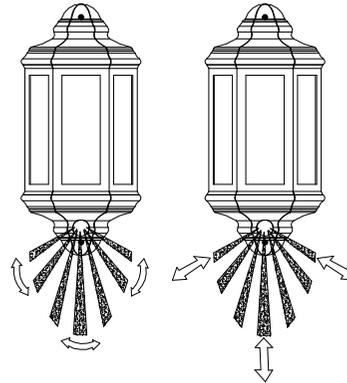


Fig.1(B) OK

Fig.1(C) NOT GOOD

away from heat sources such as barbecues, Air-conditioners, other outside lighting, moving cars and flue vents.

- To avoid nuisance triggering, keeping away from the area of strong electromagnetic disturbance.
- Do not aim towards reflective surfaces such as smooth white walls, swimming pools, etc...
- The Lantern light scanning specifications (approximately 8 meters at 90°- round) may vary slightly depending on the mounting height and location. The detection range of the unit

may also alter with temperature change. Before selecting a place to install your lantern light you should note that movement across the scan area is more effective than movement directly toward or away from the sensor (refer Fig.1B). If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced. (refer to Fig. 1C)

### INTRODUCTION

The Lantern Light incorporates a PIR (Passive Infra Red) sensing device which continuously scans a preset operating zone and immediately switches the light on when it detects movement in that area. This means that whenever movement is detected within the range of the sensor the light will switch on automatically to illuminate pathways, steps, patios, porches, or whatever area you have selected to light for reasons of safety, convenience or security. While there is movement within range of the unit the light will remain on.

### FITTING THE UNIT

Before commencing any electrical work, ensure mains supply cables are isolated by switching off and removing the relevant fuse.

1. Installation by a licensed electrician and according to IEC wiring Regulation.
2. Switch power off at the meter box and ensure that there is no power to the light.
3. **IMPORTANT: DO NOT INVERT THE LANTERN.**
4. Un-screw the **Screw A** and **Screw B** as the Fig.2(A)
5. Remove the **Front Cover (with diffuser)**, please note: **Open**

### WHILE TO FIT YOUR SECURITY LIGHT

To achieve best results, we suggest you take into account the following points:

- Ideally the Lantern Light should be mounted 1.8 to 2.5 meters (6 to 8ft) above the area to be scanned (refer Fig.1A).
- To avoid damage to unit-do not aim the sensor towards the sun.
- To avoid nuisance triggering, the sensor should be directed

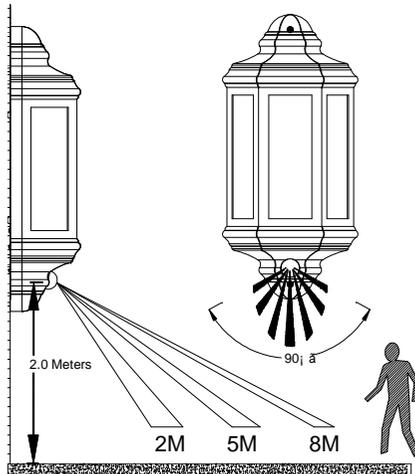


Fig.1(A) Detection Range

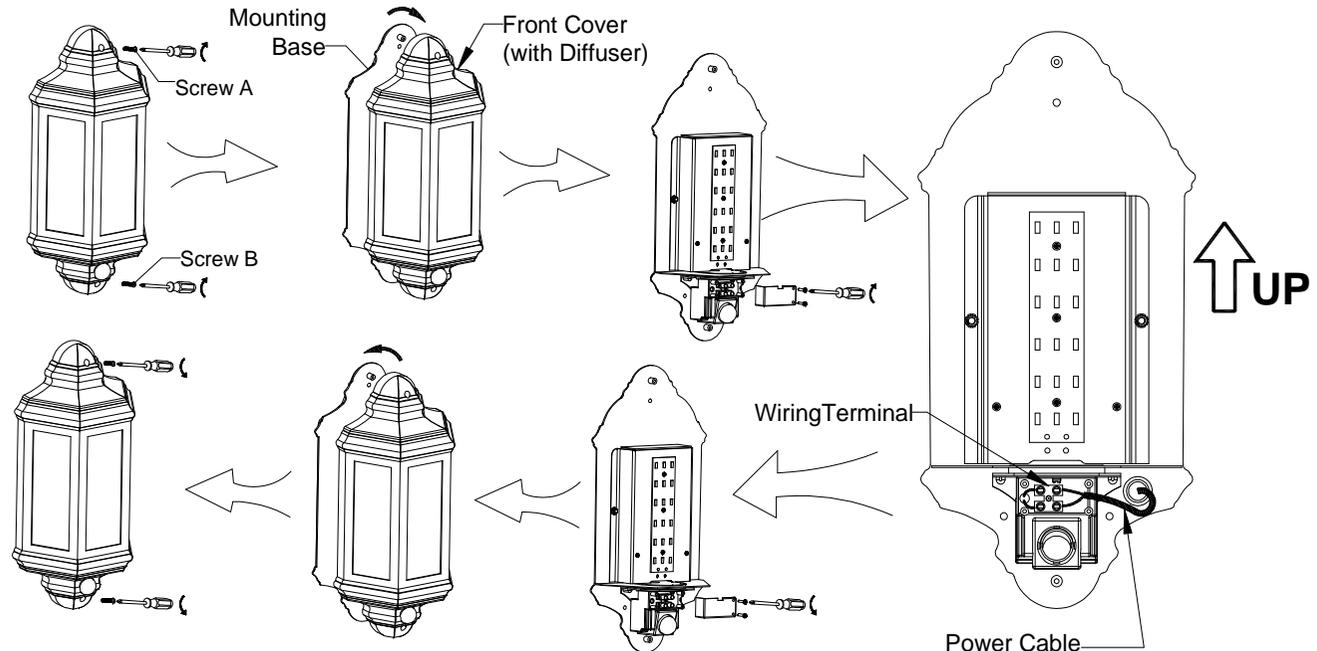


Fig.2(A)

the Front Cover from the position of Screw A (showed as Fig.2 (A)).

6. Use the **Mounting Base** to mark the position of Fixing Wall Screw holes onto mounting surface. Then drill the wall to depth of about 4 cm with a no.8 size bit.
7. Pierce the **Wiring Rubber** and bring **Power Cable** through.
8. Fit the **Mounting Base** onto the mounting wall with **Fixing Wall Screws** and Plastic Rawl-plugs
9. Connect **Power Cable** to the **Terminal Block**
10. Re-fit the Front Cover onto the Body again

#### ■ TECHNICAL DETAILS :

- **Voltage:** 220-240 V~ 50 Hz
- **Wattage:** 18\*0.5W LED
- **Detection range:** 90° (round) and Max. 8 meters
- **Duration time:** 4 ± 1minute
- **Weatherproof:** IP44
- **Detection circuitry:** Passive Infra-Red

Due to our policy of continuous improvement we reserve the right to change specification without prior notice.

Errors and omissions excepted.

These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Challenger Security Products for any misinterpretation of these instructions.



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