

ENSA™

Energy Saving Devices

LOL-A16-xSE

INTELLIGENT LED OYSTER LIGHT WITH BACKUP BATTERY



INSTRUCTION MANUAL

www.ensalife.com



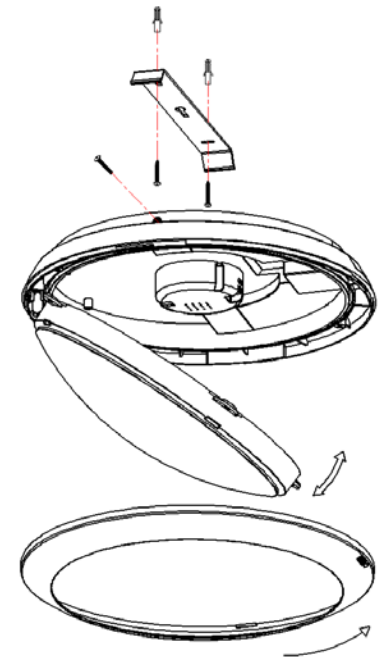
Thank you for purchasing an LOL-A16-xSE Intelligent LED Oyster Light.

The ENSA LED oyster light features a robust weather and vandal resistant housing making it ideal for outdoor and indoor use. Available in cool and warm white colour temperatures, these oyster lights utilise the latest LED technology to provide evenly dispersed, low glare lighting with at least 75lm/W luminous efficacy and up to 30,000 hours rated lifespan. The oyster light also features a backup battery, which can power the battery for up to 5 hours if power is lost.

For installation by a qualified electrician only.

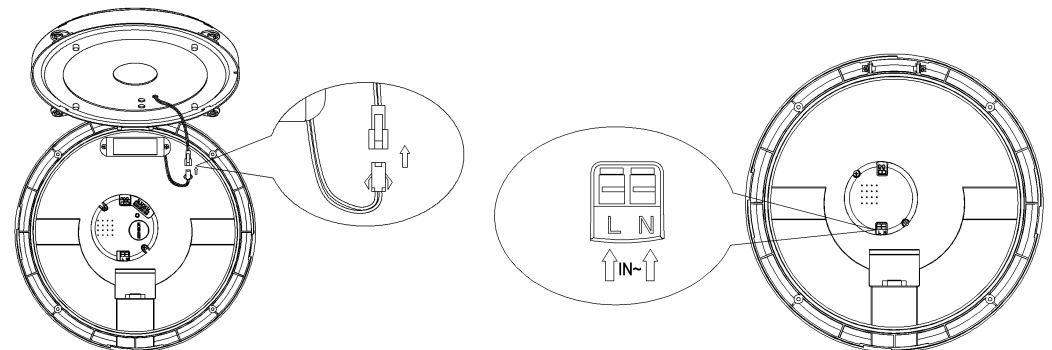
INSTALLATION:

- Rotate the plastic clockwise to open, screw off the screws on the lampshade to open.
- Insert wire through the holes provided and connect according to connect-wire diagram.
- Fix the metal bracket base on the ceiling through the holes on base pan with screws provided.
- Switch on the power to test.



WIRING:

- Connect the two sensor wires together.
- Connect the AC power supply into the "L N" port.



Detection Range – 1 & 2

DIP switches 1 & 2 adjust the maximum motion detection range, as specified on the table to the right.



	1	2	
I	●	●	100%
II	○	●	75%
III	●	○	50%
IV	○	○	10%

On-Time Delay – 3 & 4

DIP switches 3 & 4 adjust the period of time after motion is detected that the light stays at 100% brightness. After the On-Time Delay has elapsed, the light switches to Sensing Mode.



	3	4	
I	●	●	10S
II	○	●	90S
III	●	○	3min
IV	○	○	10min

Daylight Sensor – 5 & 6

DIP switches 5 & 6 adjust the minimum light (lux) levels required before the LED light changes to Sensing Mode. The light level threshold must be reached before motion detection activates the light.



	5	6	
I	●	●	2000Lux
II	○	●	50Lux
III	●	○	15Lux
IV	○	○	5Lux

Stand-by Period – 7 & 8

DIP switches 7 & 8 adjust the period of time the LED light stays dimmed in Sensing Mode after On-Time Delay has elapsed. When dimmed, the light is at 20% brightness. Light can be switched off without dimming (0s), dimmed for a period of time (30s, 10min) or remain dimmed indefinitely (+∞).



	7	8	
I	●	●	0S
II	○	●	30S
III	●	○	10min
IV	○	○	+∞

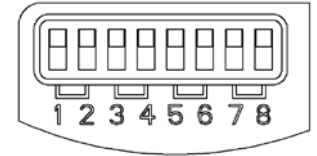
BATTERY:

When the battery loses power, the backup battery will automatically supply DC power, enabling the light to function for up to 5 hours (at full charge). While being powered by the backup battery, the light does not have sensor functionality.

NOTE: While installing, ensure the backup battery wire is connected to the light.

TESTING:

- Turn every DIP switch to the “On” position (as pictured right).
- While powered on, the light should turn on to 100% brightness. After 10 seconds of no motion, the light should fully turn off without dimming. When movement is detected, it should turn back on to 100% brightness.
- Adjust the Stand-by Period to 30s. After 10 seconds of no motion, the light should now dim to 20% for 30 seconds before fully turning off. When movement is detected, it should turn back on to 100% brightness.



NOTE: When testing in daylight, turn the LUX knob to the Sun position (☀), otherwise the sensor will not function properly.

TROUBLESHOOTING:

- **The light isn't turning on.**
 - Check the power supply is properly connected.
 - Check to see whether the motion detector is working by the indicator light.
 - If the indicator light does not activate, check the Daylight Sensor DIP switch settings. The ambient lux may be too high for the light to turn on.
- **Motion detection is weak.**
 - Check the front of the sensor to ensure it isn't obstructed.
 - Change the Detection Range DIP switches to 100% to ensure highest sensitivity.
 - Check the installation height. The light should not be installed more than 8m from the ground.
- **On-Time Delay won't activate.**
 - Check the On-Time Delay DIP switch settings to see the required delay time.
 - Test by ensuring no movement is in front of the motion sensor for that delay time.