

# RETROFIT

**All-In-One LED Solar Lighting Units**  
Simple and easy to install onto most existing poles

All in one series has a built-in motion detection security feature that automatically regulates the LED light output from full brightness to a lower level depending upon the detection of movement around the light.

This fluctuation of lighting intensity preserves battery power and also serves to increase community security by deterring unsociable activity late at night and early in the morning where these lights are installed.



## 1 Sensor

**'Smart eye' Motion Sensor**  
Built-in Passive Infrared Motion Sensor automatically regulates light output.

## 2 LED Lamp

Super bright LED ranging from 5W to 80W

## 3 Power Management Controller

Regulates and protects power to lamp and battery packs.

## 4 Battery

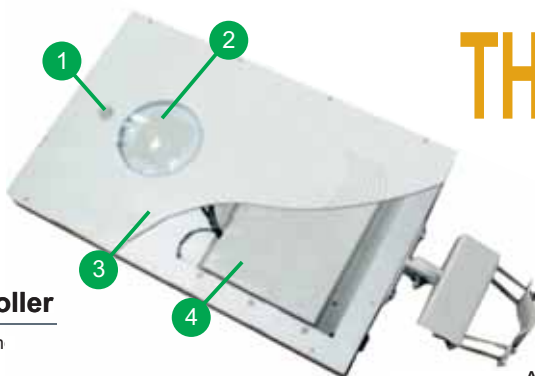
New generation Lithium iron batteries offers 3 times more storage and power capacity versus traditional Lead Acid batteries. Acid batteries.

## 5 Solar Module

Mono Crystalline Silicon P.V Module, highly efficient and tolerant to heat providing more output on a smaller footprint.

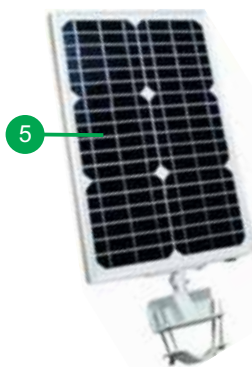
## 6 Long working time

30 hours long continue lighting



# THE ALL-IN-ONE ADVANTAGE

All-in-one solar street light which integrates the green-energy parts solar panel, LED lamp and the Lithium battery into a single product, is with human intelligence induction system to gain the solution of low-energy, long-time, high-luminance and free maintenance. And the same time, it's convenient in the shipment and installation.



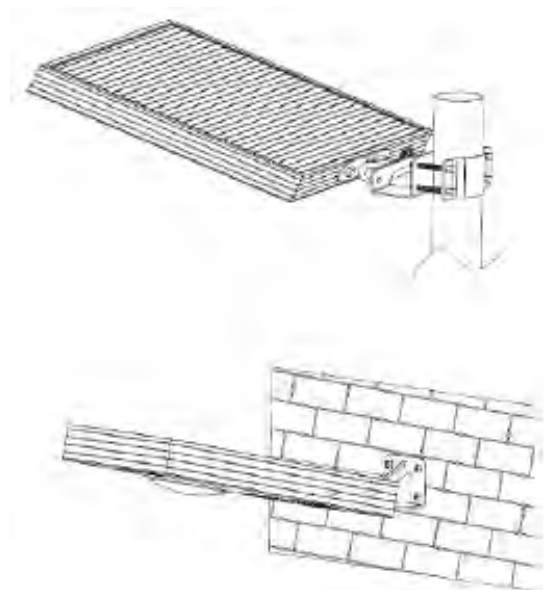
# ESL All-In-One LED Solar Light



| Luminaire | Lumens    | Panel  | LiFO4 Battery | Lifetime | Motion Sensor Regulator | Working Time |
|-----------|-----------|--------|---------------|----------|-------------------------|--------------|
| 5W        | 500-550   | 18V12W | 12.8V/4Ah     | >5 years | Yes                     | 10h/day      |
| 8W        | 800-880   | 18V15W | 12.8V/6Ah     | >5 years | Yes                     | 10h/day      |
| 12W       | 1200-1320 | 18V20W | 12.8V/9Ah     | >5 years | Yes                     | 10h/day      |
| 15W       | 1500-1650 | 18V25W | 12.8V/10Ah    | >5 years | Yes                     | 10h/day      |
| 20W       | 2000-2200 | 18V50W | 12.8V/18Ah    | >5 years | Yes                     | 10h/day      |
| 25W       | 2500-2750 | 18V50W | 12.8V/21Ah    | >5 years | Yes                     | 10h/day      |
| 30W       | 3000-3300 | 18V60W | 12.8V/24Ah    | >5 years | Yes                     | 10h/day      |
| 40W       | 4000-4400 | 18V60W | 12.8V/30Ah    | >5 years | Yes                     | 10h/day      |
| 50W       | 5000-5500 | 18V80W | 12.8V/36Ah    | >5 years | Yes                     | 10h/day      |
| 60W       | 6000-6600 | 18V90W | 12.8V/42Ah    | >5 years | Yes                     | 10h/day      |



Motion detection automatically regulates light output



Wall or Pole Mounted Application