

## Solar Street Lights (CFL / LED)

Solar radiation are fall on Photovoltaic Cell, convert sunlight directly in to electricity. A solar PV cell consists of semi conducting material that absorbs the sunlight. The solar energy knocks electrons looser from them atoms, allowing them to flow through the material to produce electricity. PV cell are typically combined into modules. These modules are mounted in PV arrays. PV arrays can be used to generate electricity.

A power plant can also use a concentrating solar power system, which uses the solar radiation to generate electricity. The sunlight is collected and focused by mirrors to create a high-intensity heat source. This heat source produces steam or mechanical power to run a generator which produce electricity.

### **Technical Description**

#### **Of CFL Street Light:**

Lamp :CFL 11 Watt  
Battery :12 V - 75 Ah.  
Tubular / SMF  
Module :12V / 74 Wp  
Pole :MS 5 meter  
ON/OFF` :Dusk to dawn  
Body :Metallic  
Coated  
Efficiency:More than 80  
%



### **Technical Description**

#### **Of LED Street Light:**

Lamp : 9 LED (11 Watt)  
Battery : 12 V / 40 Ah.  
Tubular / SMF  
Module : 12V / 40 Wp  
Pole : MS 5 meter  
ON/OFF` : Dusk to dawn  
Body : Metallic Coated  
Efficiency : More than 85 %