

# Solar Street Lighting

## PRODUCTS

### Compact Fluorescent Lamps

Our range of Compact Fluorescent Lamps based solar street lights are a cost effective option to provide non critical lighting. The Compact Fluorescent Lamp of the Solar Streetlight gives out warm white light with good colour rendering characteristics.

The standalone solar photovoltaic street lighting system comprises of a compact Fluorescent Lamp (CF Lamp) as light source, re-chargeable lead acid battery for storage, PV modules for charging the battery, suitable electronics for the operation of the lamp and safe charging and discharging of the battery and mechanical hardware for fixing these sub systems.

The solar streetlight is available either with automatic dusk to dawn operation or with a pre-set timer; and in 4 models depending on the wattage of the lamp, SPV module & battery capacity.

#### Key Highlights:

- Modular Design
- Low cost of ownership
- No trenching, tunnels or cost to rip up and repair/re-landscape site
- Virtually maintenance free

#### Benefits of Solar Streetlights

- No trenching, tunnels or cost to rip up and repair/re-landscape site
- Virtually maintenance free
- No electrical wiring cost to/from power grid, meters required
- No power company bills or charges to bring electricity to site
- Weather and corrosion resistant
- Custom-designed for your location and requirements
- Clean and independent source of power



#### Features

- Energy efficient compact fluorescent lamp that emits white light
- Instant Lamp turn ON
- Field adjustable lighting controls
- Automatic dusk to dawn operation with internal seasonal time variation compensation
- Automated micro-electronic illumination
- Pre assembled kits that can be easily attached to poles with suitable foundations.

Lamp	SSL-4A	SSL-4B	SSL-4C	SSL-4D
Light Sources	CFL	CFL	CFL	CFL
Lamp Wattage	9W	11W	18W	22W
Lumens	500	900	1000	1800
Lamp head	Weatherproof outdoor type			
<b>Power Supply</b>				
Solar Panel	75Wp	80Wp	120Wp	120Wp
Battery	12V 75Ah	12V 80Ah	12V 100Ah	12V 120Ah
Charge controller	PWM Controlled with battery undercharge and overcharge protection			
Ballast	Full potted water resistant electronic ballast			
Battery Enclosure	GI or Aluminium suitable for outdoor installation			
Operating Voltage	12V	12V	12V	12V
Operation	Automatic Dusk to Dawn or timer controlled			
Autonomy	3days no sun			
<b>Mounting</b>				
Pole	4 m	4 m	4 - 6 m	6 m
Lamp Height	4 m	4 m	4 - 6 m	4 - 6 m
Arm	0.5m or as specified by customer			