

SEC Brilliant Solar Street lighting system

**Ultra Efficient LED street lighting system
with solar panel and battery back up**

**Provides sufficient light throughout the
night, even in low sun conditions**

**Cost effective, standalone solution
wherever street lighting is required**

SEC Brilliant Solar Street Lighting System

The SEC **Brilliant** Solar Street Lighting System is an integrated kit designed to provide a cost effective, standalone solution to all street lighting requirements. Using the most efficient LED lamps available mated to a solar panel and high quality battery, this product is not only an environmentally friendly option (requiring no power input) but can also be located anywhere regardless of local grid availability.

Engineered by SEC to provide sufficient lighting whatever the weather conditions, **Brilliant** Solar Street Lights are also supplied with an electronic controller that automatically turns the unit on and off whenever necessary, and regulates the brightness of the lamp to ensure maximum efficiency. Like all SEC products, the **Brilliant** Solar Street Lighting System has also been designed with reliability and low maintenance in mind throughout the life of the product.

Product information

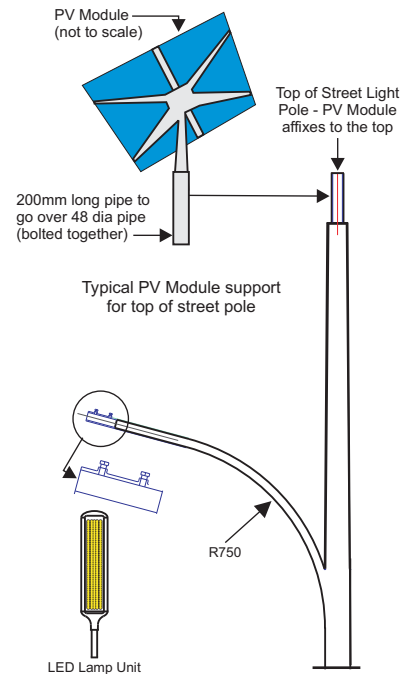
The **Brilliant** Solar Lighting system is supplied as a fully integrated kit, including the following:

- Solar Panel(s) (Capacity 800kJ/day - 3200kJ/day)
- Ultra efficient LED light unit
- High quality Battery or Batteries (size dependant)
- Electronic controller with Battery Optimising System

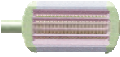
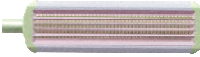
Two lamp sizes are available depending on the lighting requirements, although multiple lamp units per pole can be specified if additional brightness is required. All other components are sized accordingly to ensure optimum results in every case.

Poles and fixings are not normally supplied as it is anticipated that these can be sourced locally. However, detailed drawings and specifications are available to assist customers on request

Typical installation



Technical specification

Model	Light output	Energy Consumption		Battery Capacity	Photovoltaic Panel Capacity		Suggested Pole Length
		J/s	kJ/h		kJ/day	Wp	
SEC-SL2400	2400 Lumen	20 J/s	72 kJ/h	960 kJ	800 kJ/day	50Wp	3 Metres
SEC-SL4800	4800 Lumen	40 J/s	145 kJ/h	1920 kJ	1600 kJ/day	100Wp	4 Metres
				If brighter lighting is required, it is possible to fix two lamp units per lighting pole. In this case, the solar panel requirement and battery storage will be scaled to provide sufficient energy collection and storage properties. More details are available on request.			
SEC SL1 Lamp Length = 380mm		SEC SL2 Lamp Length = 620mm					