



The newest solar streetlight **ATIK™** is the latest generation system for road lighting developed by **Istar Solar®** after many years of studies and researches.

This is a very efficient and autonomous system, that can light up streets, crossings, parking areas, gardens and many other places where the grid is missing or where people cannot make excavations or cables connections, with many advantages in comparison with the traditional streetlights with Sox lamp.

The **innovative led lamp with very high luminous efficiency, white light : 13 Lux and low consumption, only 8W**, with an average lifetime of **100.000 hours (22 working years)** is the result of our researches on the field of led lighting. Thanks to this, we can offer a small system with high performances, reduced weight, space, number of modules, batteries and components needed, and therefore with lower costs.

In fact this **streetlight needs only 1 module 60Wp** and just a **55Ah battery**, instead of Sox lamp that needs at least 2 modules 75-90Wp and 2 x 110Ah batteries.

Additional information on cost reductions and amortization of the system can be found on the comparative table.

During the day the PV module produces energy that is stored into the battery. After sunset the energy is used to switch on the led lamp.

The lighting time is assured for a minimum of 12 hours/night.

Switch on at sunset and switch off at sunrise are automatic by means of a morning-light device already built-in on the charge controller **Istar Solar® Rigel™ 12**.

This **Rigel™ 12** has a microchip to set up the switch on of the lamp up to 2 hours after sunset, according to the needs.

The Charge controller **Rigel™ 12** has been properly studied for lighting and for stand alone systems, and is equipped with all main useful functions necessary for a proper functioning of the system : charge controller with check of state of charge of battery, boost and float charge, morning-light function, temperature compensation. All these functions are contained inside a unique charge controller and enable this system to be very efficient and easy to manage, thus avoiding to add other components to the streetlight. In fact the lamp doesn't need the electronic ballast that "increase the consumptions".

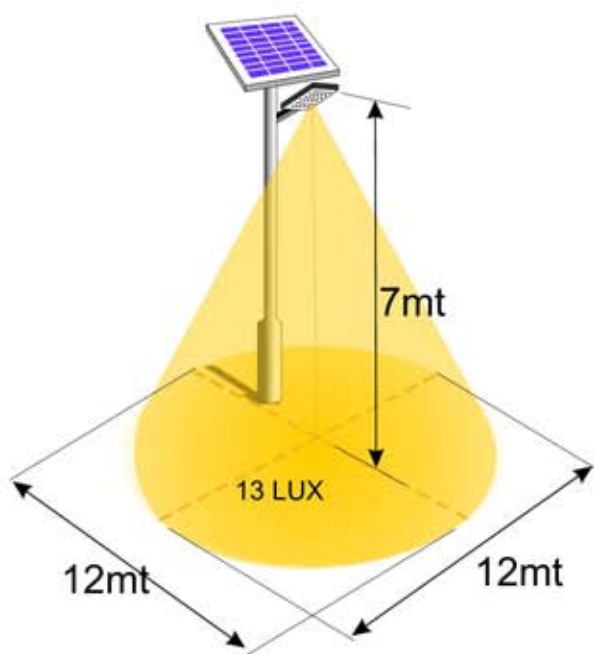
The streetlight **ATIK™** is very easy to install and it's a very useful efficient and completely autonomous system in case of black out.

ATIK™ is composed of:

- 1 PV Module IS60P 60Wp 12V
- 1 Charge controller Rigel 12
- 1 Led lamp complete of arm and lamp bracket
- 1 Lead acid dry battery 55Ah
- 1 Top of pole mount structure, inside diameter 6,5cm with adjustable tilt and azimuth (Tilt 10° - 30° - 45°)

Optional items :

- Box for battery and charge controller



Electrical and Technical Data

Lamp	LED 8W white light
Luminous intensity	Lux 13
LED Lamp average lifetime	100.000 hrs (22 years)
Typical installation from ground	mt 6-7
Diameter of light cone	mt 12
Working temperature	°C da -20 a +60
Photovoltaic module	IS60P 60Wp 12V
Charge controller	Rigel™ 12
1 Lead acid dry battery	55Ah

