



#### ATIK™ is composed of:

- 1 PV Module
- 1 Charge controller Rigel 10 with Morning-light function
- 1 solar arm lamp with led lamp and lamp bracket
- 1 Lead acid dry battery 80 Ah
- 1 Top of pole mount structure, inside diameter 6,5cm with adjustable tilt and azimuth (Tilt 10°- 30° - 45°) without box for batteries

The newest solar streetlight **ATIK™** is the latest generation system for road lighting developed 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 only 3 High Power Chip Leds white light, low consumption, only 9W**, with an average **lifetime of 60.000 hours** 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 one 30 wp module** and just a **80Ah battery**.

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 and 3 days no sun.

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 **Rigel™ 10**.

This **Rigel™ 10** has a microchip to set up the switch on of the lamp after sunset, according to the needs.

The Charge controller **Rigel™ 10** 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.

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

#### The advantages of ATIK lighting system, LED technology :

- energy saving
- reduced light pollution
- reduced environmental impact: the total absence of metal pollutants, RoHS compliance
- longer lifetime : LED bulbs have a life greatly exceeding 60,000 hours
- greater uniformity and efficiency
- best performances - immediate switch on and re-ignition time
- better maintenance of Lumen provision/output over time, compared with traditional lamps
- road safety : higher real rendering of colors and vibration effect equal to zero
- Cool white light without heat production
- Recued maintenance
- green technology : the system is fully independent and works with only the **SOLAR LIGHT**

New

TECHNICAL DATA

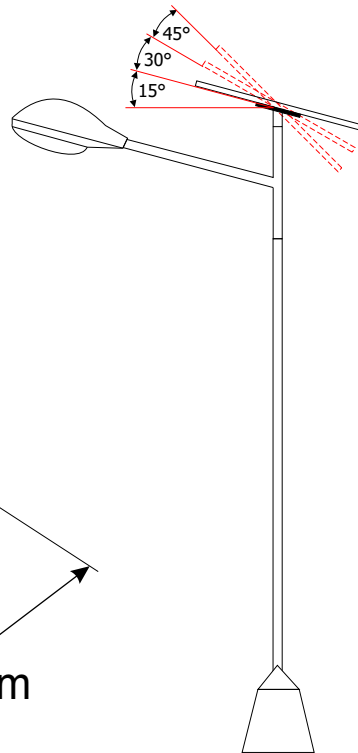
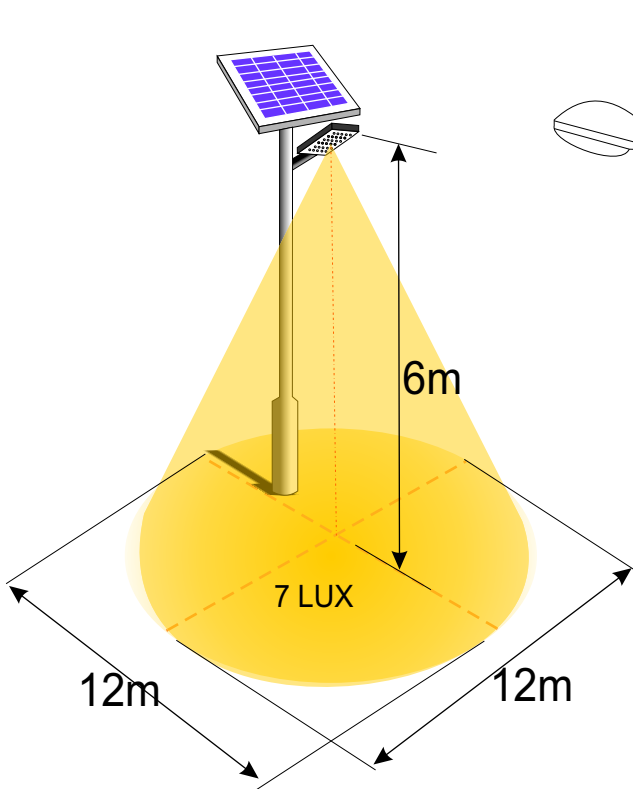
ATIK™

High power Led - White color	3 LED 170° Viewing angle
Color Temperature	K 5.500
Luminous intensity and flux	7Lux - 620 Lm
Power consumption	9 W
Lifetime of led lamp	60.000 h
Typical installation Height	5-6 mt
Diameter of light cone	12 mt
Operating Temperature	from -10 to +50 °C
Photovoltaic Module	IS30P - IS60P - IS75P-12V
Charge Controller	Rigel™ 10A - 12V/24V
Battery free maintenance	80Ah
Backup no Sun	4 days

PV MODULES	
IS30P - 30Wp	Latitude 0° - 30°
IS60P - 60Wp	Latitude 30° - 45°
IS75P - 75Wp	Latitude 45° - 55°



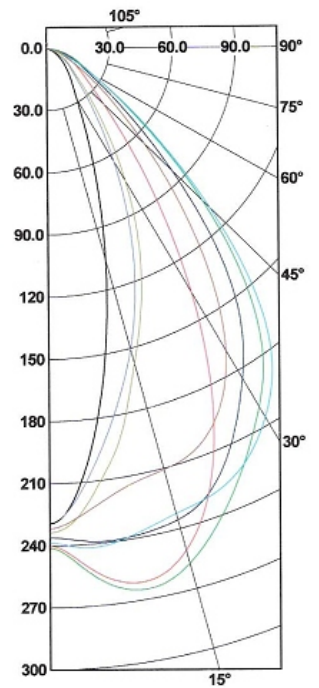
Conformity to: 2006/95/EC - 2004/108/EC directives **CE**



Legend (C-Planes)

- 0°
- 45°
- 90°
- 135°
- 180°
- 225°
- 270°
- 315°
- 360°

Luminous Intensity (cd)





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The **innovative led lamp with only 5 High Power Chip Leds white light, low consumption, only 15W**, with an average **lifetime of 60.000 hours** 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 one 30 wp module** and just a **80Ah battery**.

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.

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New


TECHNICAL DATA

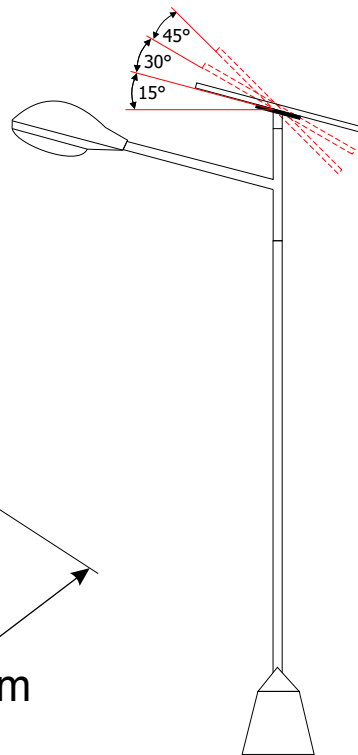
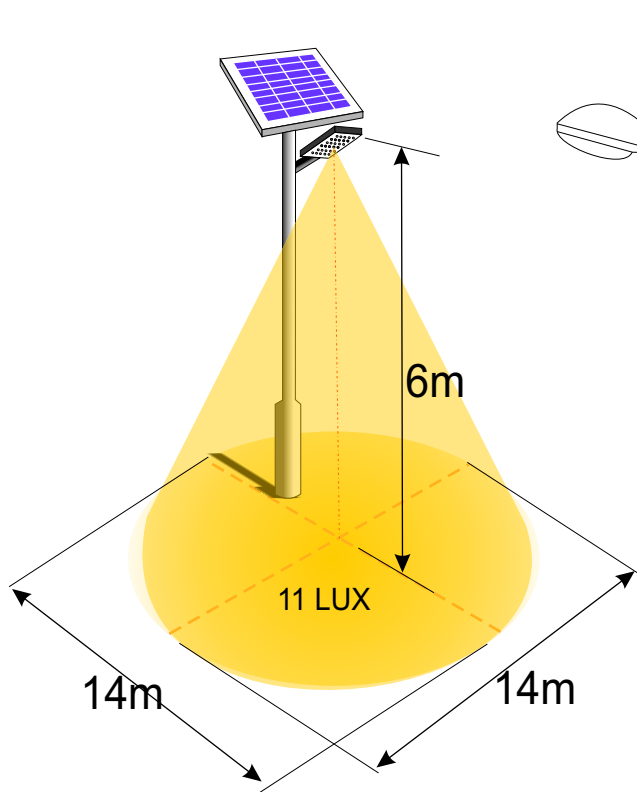
ATIK™ 15W

High power Led - White color	5 LED 170° Viewing angle
Color Temperature	K 5.500
Luminous intensity and flux	15 Lux - 1050 Lm
Power consumption	15 W
Lifetime of led lamp	60.000 h
Typical installation Height	5-6 mt
Diameter of light cone	14 mt
Operating Temperature	from -10 to +50 °C
Photovoltaic Module	IS60P - IS70P - IS90P-12V
Charge Controller	Rigel™ 10A - 12V/24V
Battery free maintenance	110/120Ah

PV MODULES	
IS60P - 60Wp	Latitude 0° - 30°
IS70P - 70Wp	Latitude 30° - 45°
IS90P - 90Wp	Latitude 45° - 55°



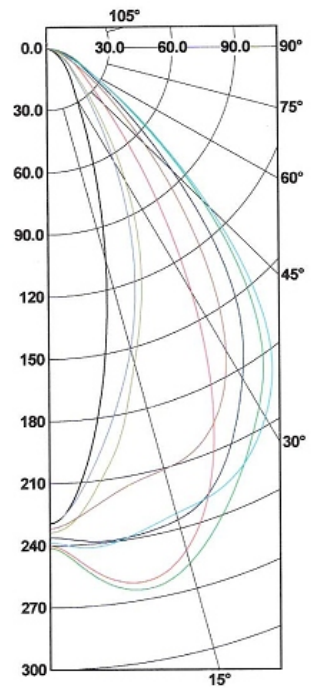
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Legend (C-Planes)

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- 270°
- 315°
- 360°

Luminous Intensity (cd)



Elevation Angle (°)