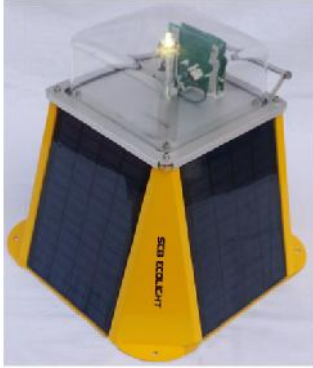


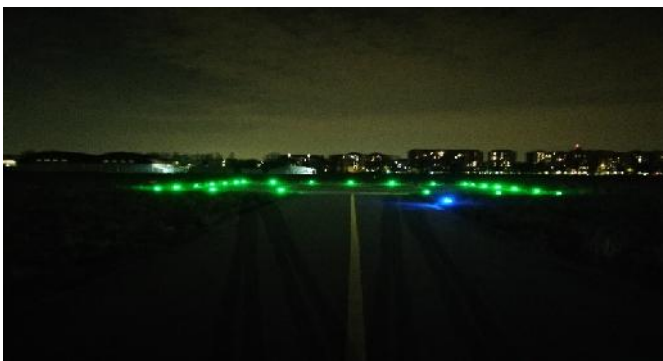
WIRELESS LED SOLAR VISUAL AID SYSTEM FOR AIRPORT



The SCB is the basic component of the SILAS-A (Solar Illumination Aeronautical System), a landing visual aid system for airports, aimed to extend the operational working time, also in marginal visibility conditions.

The SCB is a wireless solar LED light; it is fully remotely controlled and monitored, not requiring any cable connection (wireless technology). The SCB can be easily installed and removed without external energy, cabling or site preparation.

The SCB is powered by batteries, charged through four photovoltaic panels located on the external case. The solar cells are fitted with a tilt designed for an optimal use of the solar energy; this allows the SCB to operate in accordance with international standards, even with adverse weather conditions (low solar light level for long periods).



MAIN FEATURES

- Fully self contained light;
- High efficiency LED lights, with uniform colour, temperature and radiation intensity;
- Different configurations to fit any operational requirement;
- Low energy consumption and high autonomy;
- High efficiency photovoltaic panels, fitted with an optimum inclination;
- Three light intensity levels (low, medium, high);
- Wireless remote monitoring and control
- Easy installation and relocation;
- Green Solution Ecofriendly (zero emission);
- Two power supply modes available:
 - * *Solar only* – (easy installation - no needs of external energy, cabling or site preparation);
 - * *Dual power* - (connection to external grid with solar powered battery backup – no need of ups and power generator).



ASSN has been established by GLOSS-SRL, to exploit the capabilities of solar LED light illumination system for aeronautical applications

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Web site: www.advancedsolarsolution.com

CHARACTERISTICS

<i>PHYSICAL DETAILS</i>	Anodised aluminium body, resistant to vandalism and corrosion (even in a saline environment) Colour yellow AVIO RAL 1023 Transparent and UV resistant polycarbonate dome Size: 345x345x347 Weight: 7 Kg
<i>WATER RESISTANCE</i>	Level IP67
<i>OPERATING TEMPERATURE</i>	From -20° to +50°
<i>ANCHORAGE</i>	Fixing to the ground by 4 bolts (one for each side of the base) to allow wind resistance up to 240 Km/h in accordance with MIL-STD-810F
<i>LIGHT</i>	Life 50,000 hours at maximum brightness Three levels of light intensity (Low, Medium, High) Autonomy: no less than 24 hours without recharging (omnidirectional only)
<i>PHOTOVOLTAIC PANELS</i>	Four 5W Power Solar Panels with 1000W/sqm of radiation
<i>BATTERY</i>	12V, 9Ah, AGM Lead
<i>WIRELESS CONTROL</i>	The SCB can be remotely controlled and monitored via Zigbee protocol. Monitored functions are: - Battery charge status - Current consumption

CONFIGURATIONS

<i>RUNWAY EDGE</i>	colour compliance	omnidirectional white; omnidirectional yellow bidirectional white/white, white/yellow, white/red, yellow/red ICAO Annex 14, VOL. 1 , para 5.3.9
<i>RUNWAY THRESHOLD</i>	colour compliance	Green unidirectional ICAO Annex 14, VOL. 1 , para 5.3.10
<i>RUNWAY END</i>	colour compliance	Red unidirectional ICAO Annex 14, VOL. 1 , para 5.3.11
<i>RUNWAY THRESHOLD END</i>	colour compliance	Green/red bidirectional ICAO Annex 14, VOL. 1 , paras 5.3.10 & 5.3.11
<i>RUNWAY THRESHOLD IDENTIFICATION</i>	colour compliance	White unidirectional, flashing ICAO Annex 14, VOL. 1 , para 5.3.8
<i>TAXIWAY EDGE</i>	colour compliance	Blue, omnidirectional ICAO Annex 14, VOL. 1 , para 5.3.18



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