

## WIRELESS LED SOLAR VISUAL AID SYSTEM FOR HELIPORT



### MAIN FEATURES

- Fully self contained;
- 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);

The SCB is the basic component of the SILAS-H (Solar Illumination Aeronautical System), a landing visual aid system for heliport and helipads, aimed 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).



**Olbia INT'L Airport**

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

For info: [info@advancedsolarsolution.com](mailto:info@advancedsolarsolution.com)  
Web site: [www.advancedsolarsolution.com](http://www.advancedsolarsolution.com)



**Cremona Hospital**

<i>PHYSICAL DETAILS</i>	<ul style="list-style-type: none"> <li>• Anodised aluminium body, resistant to vandalism and corrosion (even in a saline environment)</li> <li>• Colour yellow AVIO RAL 1023</li> <li>• Transparent and UV resistant polycarbonate dome</li> <li>• Size: 300x300x240</li> <li>• Weight: 7 Kg</li> </ul>
<i>WATER RESISTANCE</i>	Level IP67
<i>OPERATING TEMPERATURE</i>	From -20° to +50°
<i>ANCHORAGE</i>	Fixed on the ground via suitable bolts to allow high wind resistance
<i>LIGHT</i>	<ul style="list-style-type: none"> <li>• Life 50,000 hours at maximum brightness</li> <li>• Three levels of light intensity (Low, Medium, High)</li> <li>• Autonomy: no less than 24 hours without recharging (<i>omnidirectional configuration only</i>)</li> </ul>
<i>PHOTOVOLTAIC PANELS</i>	Four 3 W Power Solar Panels with 1000 W/sqm of radiation
<i>BATTERY</i>	12V, 9Ah, AGM Lead
<i>UTILITY</i>	<ul style="list-style-type: none"> <li>• Switch for manual on/off</li> <li>• Reset button</li> <li>• Power charge socket</li> </ul>
<i>WIRELESS CONTROL</i>	<p>The SCB can be remotely controlled and monitored via Zigbee protocol. Monitored functions are:</p> <ul style="list-style-type: none"> <li>• Battery charge status</li> <li>• Current consumption</li> </ul>
<i>STATUS INDICATOR</i>	<ul style="list-style-type: none"> <li>• Battery charged (green Led)</li> <li>• Wireless communication activity (yellow Led)</li> </ul>
<i>MAINTENANCE</i>	Easy access from top and from bottom for battery and electronic maintenance

<b>MODEL</b>	<b>FUNCTION</b>	<b>LED TYPE</b>	<b>ICAO ANNEX 14 COMPLIANCE</b>
SCB-H/G	TLOF	Green Omni	Vol. 2 para 5.3.8
SCB-H/GW	TLOF Flood Lighting	Green Omni & White Directional	Vol. 2 para 5.3.9
SCB-H/W	FATO	White Omni	Vol. 2 para 5.3.7
SCB-H/R	Obstruction	Red Omni	Vol. 1 para 6.2
SCB-H/B	Taxiway	Blu Omni	Vol. 1 para 5.3.18

