

# **POLARIS THRESHOLD**





Compliance to standards	ICAO: International Civil Aviation Organization, Aerodromes, Annex 14, Vol. 1 IEC TS 61827: Electrical installations for lighting and beaconing of aerodromes. Characteristics of inset and elevated luminaires used on aerodromes and heliports		
Application	<ul> <li>Portable Directional Approach Runway lights indicating for airplane pilots the landing direction on an Airport runway, low and medium intensity according ICAO.</li> <li>The POLARIS design has been done in such way as to provide maximum safety.</li> <li>It is a reliable and flexible product, being easy to fit into any kind of infrastructure.</li> </ul>		
Features	<ul> <li>Designed and built with simplicity and ease of maintenance in mind. High power LED technology (100 000 hrs lifespan).</li> <li>IRLED - optional.</li> <li>Lightweight, low-energy and environment friendly lighting fitting.</li> <li>Autonomy: Brightness level 100% - 19hrs 30% - 65hrs 10% - 192hrs 1% - 1920hrs</li> <li>Radio controlled 868MHz (optional 915MHz) with an operating range up to 8km.</li> <li>Operating modes: Steady Flashing Visible/Infrared(optional)</li> <li>Control option: via POLARIS computer interface via remote controller local with POLARIS buttons</li> </ul>		
Product Code	AL - 112 - 03 - GRSeries Indicator (Airfield Lighting)ALProduct Indicator112LEDs Number03LEDs Light Colour (green)GR		



Description	<ul> <li>Housing - powder coated aluminium RAL 1004 (aviation yellow)</li> <li>Dispenser - clear polycarbonate UV resistant</li> <li>Cable gland - nickel plated brass</li> <li>Fasteners - stainless steel</li> <li>Casing - polycarbonate UV resistant</li> <li>Carrying handle - aluminum</li> <li>Light fixtures are provided with anti condensation valve.</li> </ul>		
Environment	Temperature range: Degree of protection: Ka tested:	- 55° to +55° IP X8 Salt mist	
Mounting	1. Polaris Solar panel stan AL-123-AX		
	2. Polaris base plate AL-124-AX		



#### Power consumption: 7.5W

**Power supply:** Power supply is provided by 1 rechargeable deep cycle sealed lead acid battery 12V - 12Ah (optional different battery can be used) Lifespan: 1200 cycles User-replaceable Air transportable

#### **Battery Charging**

Electrical Characteristics

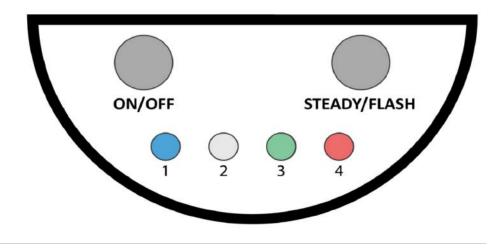
The battery charger can be made in individual trays, in bigger racks or with solar panels.



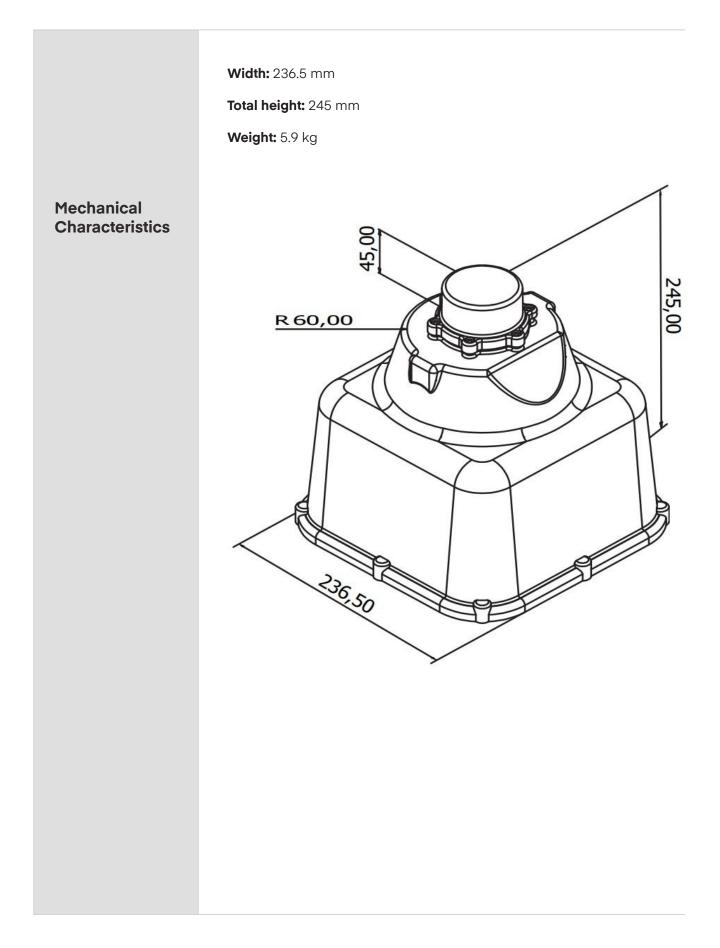


#### **Battery Monitoring & Charging:**

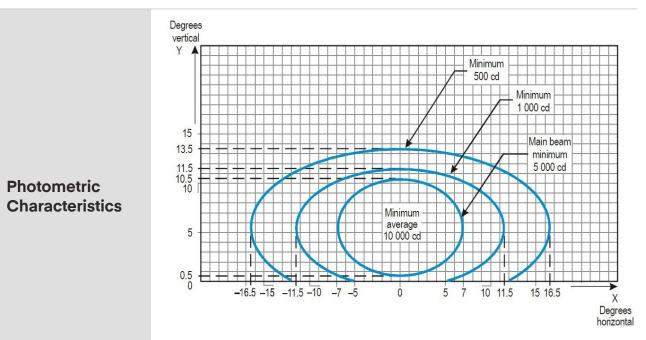
The battery status is constantly monitored and a set of four LEDs gives a permanent indication.







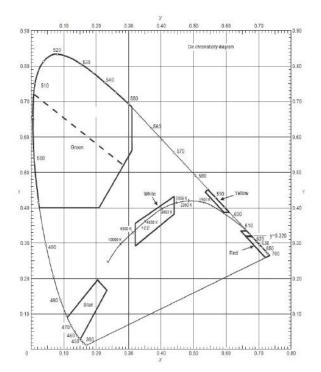




### ICAO requirements Annex 14 Vol.1 Fig. A2-4.

Low intensity: 10% Average 1000 cd

Medium intensity: 30% Average 3000 cd



The measured trichroamtic coordinates correspond to colour range requirements in:

ICAO Annex 14 - Aerodromes Vol.1, fig, A1-1-1b. Colours for aeronautical ground lights (solid state lighting)

To order accessories please call our customer support. For contact details please refer to our website - www.signalight.com

1	Polaris Solar panel stand	AL-123-AX	
2	Polaris base plate	AL-124-AX	
3	Individual charger	AL-125-AX	
4	Charging rack	AL-126-AX	

## Accessory





## +40 254 515 465 office@signalight.com

36 Lunca Street, Petrosani, Hunedoara County, Romania

www.signalight.com