

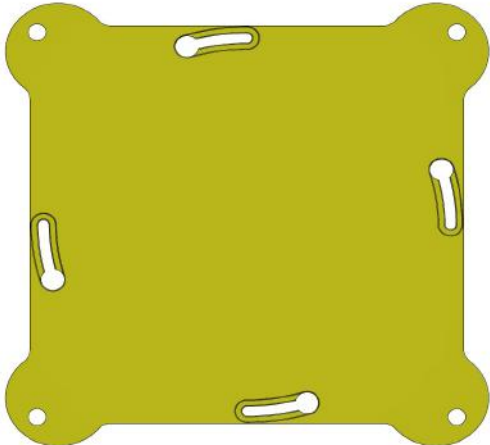


POLARIS APPROACH



Compliance to standards	<p>ICAO: International Civil Aviation Organization, Aerodromes, Annex 14, Vol. 1</p> <p>IEC TS 61827: Electrical installations for lighting and beaconing of aerodromes. Characteristics of inset and elevated luminaires used on aerodromes and heliports</p>								
Application	<p>Portable Directional Approach Runway lights indicating for airplane pilots the landing direction on an Airport runway, low and medium intensity according ICAO.</p> <p>The POLARIS design has been done in such way as to provide maximum safety.</p> <p>It is a reliable and flexible product, being easy to fit into any kind of infrastructure.</p>								
Features	<p>Designed and built with simplicity and ease of maintenance in mind. High power LED technology (100 000 hrs lifespan). IRLED - optional. Lightweight, low-energy and environment friendly lighting fitting.</p> <p>Autonomy: Brightness level 100% - 16hrs 30% - 53hrs 10% - 156hrs 1% - 1560hrs</p> <p>Radio controlled 868MHz (optional 915MHz) with an operating range up to 8km. Operating modes: Steady Flashing Visible/Infrared(optional)</p> <p>Control option: via POLARIS computer interface via remote controller local with POLARIS buttons</p>								
Product Code	<p>AL - 111 - 03 - WH</p> <table data-bbox="544 1883 1369 2040"> <tr> <td>Series Indicator (Airfield Lighting)</td> <td>AL</td> </tr> <tr> <td>Product Indicator</td> <td>111</td> </tr> <tr> <td>LEDs Number</td> <td>03</td> </tr> <tr> <td>LEDs Light Colour (white)</td> <td>WH</td> </tr> </table>	Series Indicator (Airfield Lighting)	AL	Product Indicator	111	LEDs Number	03	LEDs Light Colour (white)	WH
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<p>Description</p>	<p>Housing - powder coated aluminium RAL 1004 (aviation yellow) </p> <p>Dispenser - clear polycarbonate UV resistant</p> <p>Cable gland - nickel plated brass</p> <p>Fasteners - stainless steel</p> <p>Casing - polycarbonate UV resistant</p> <p>Carrying handle - aluminum</p> <p>Light fixtures are provided with anti condensation valve.</p>
<p>Environment</p>	<p>Temperature range: - 55° to +55°</p> <p>Degree of protection: IP X8</p> <p>Ka tested: Salt mist</p>
<p>Mounting</p>	<p>1. Polaris solar panel stand AL-123-AX</p>  <p>2. Polaris base plate AL-124-AX</p> 

**Electrical
Characteristics**

Power consumption: 9W

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

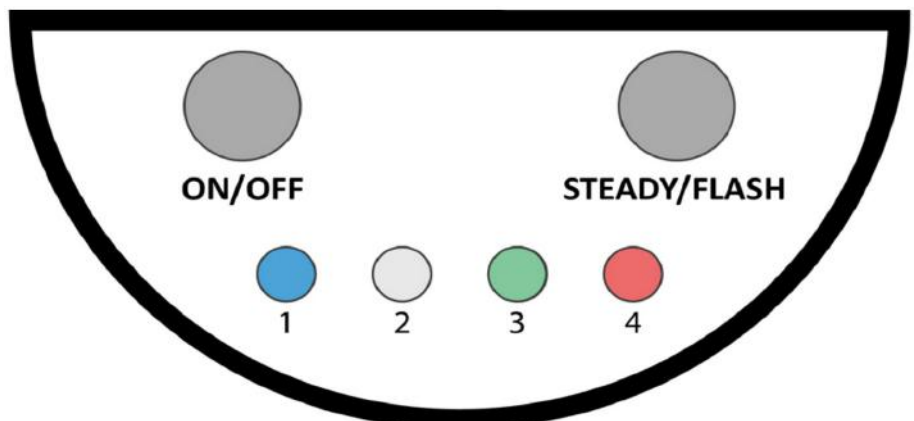
Battery Charging

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.

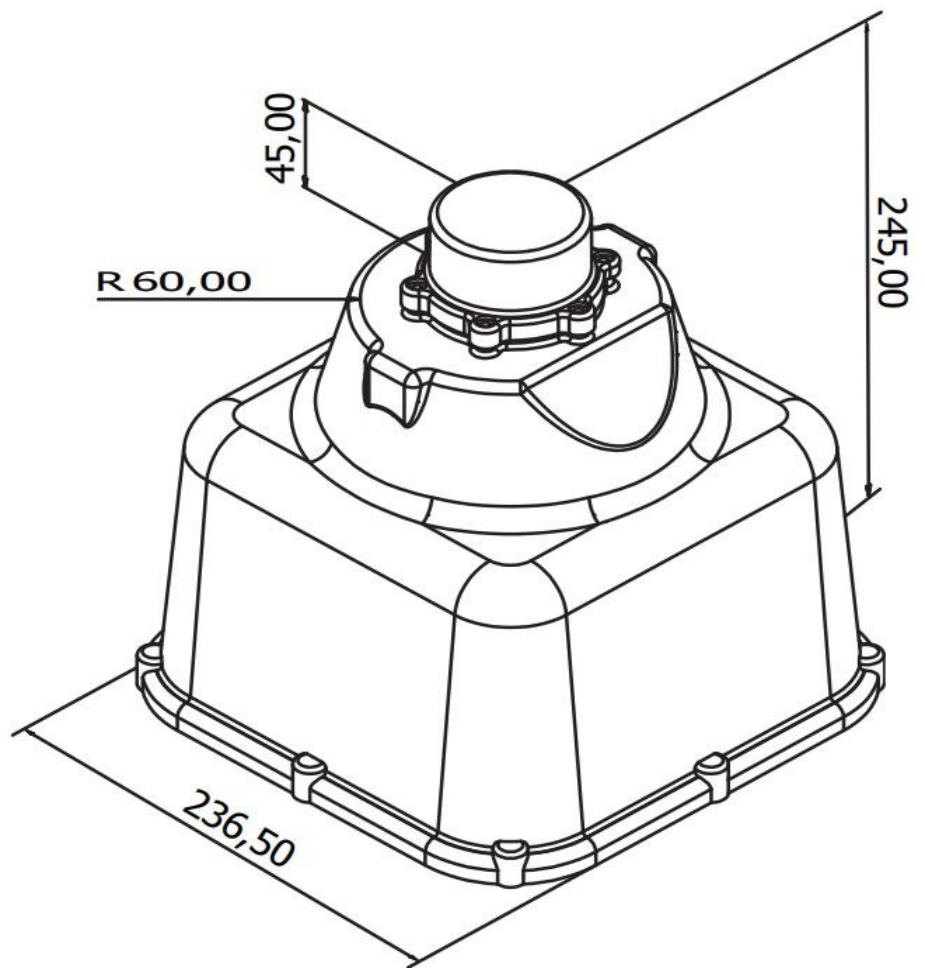


Mechanical
Characteristics

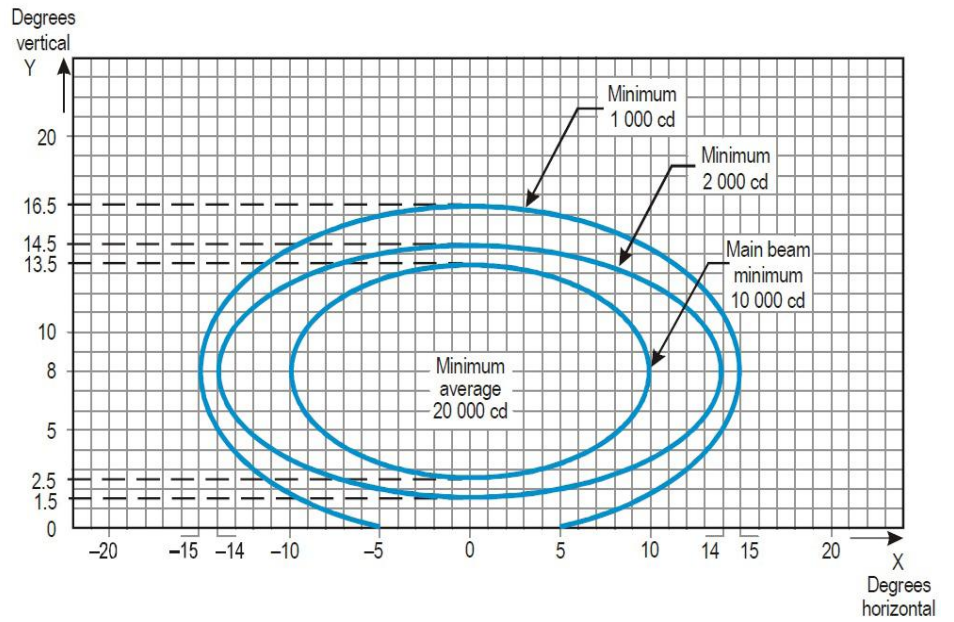
Width: 236.5 mm

Total height: 245 mm

Weight: 5.9 kg



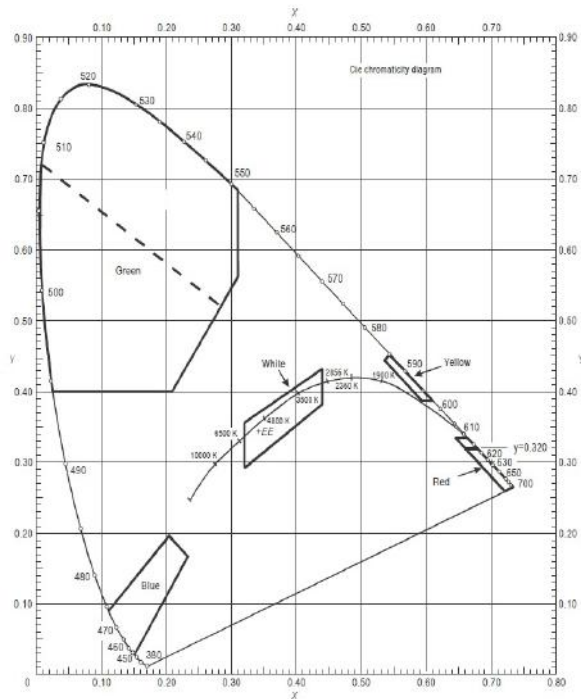
Photometric Characteristics



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

Low intensity: 10% Average 2000 cd

Medium intensity: 30% Average 6000 cd







The measured trichromatic 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)**

Accessory

To order accessories please call our customer support.
For contact details please refer to our website.

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	

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