

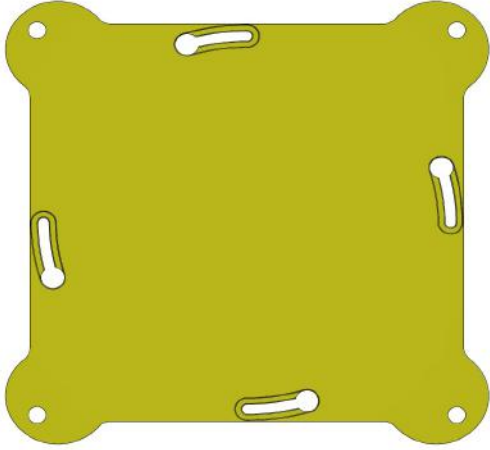


POLARIS TAXIWAY



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. 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 - 115 - 02 - BL</p> <table> <tr> <td>Series Indicator (Airfield Lighting)</td> <td>AL</td> </tr> <tr> <td>Product Indicator</td> <td>115</td> </tr> <tr> <td>LEDs Number</td> <td>02</td> </tr> <tr> <td>LEDs Light Colour (blue)</td> <td>BL</td> </tr> </table>	Series Indicator (Airfield Lighting)	AL	Product Indicator	115	LEDs Number	02	LEDs Light Colour (blue)	BL
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Description	<p> Housing - powder coated aluminium RAL 1004 (aviation yellow)  Dispenser - clear polycarbonate UV resistant Cable gland - nickel plated brass Fasteners - stainless steel Casing - polycarbonate UV resistant Carrying handle - aluminum </p> <p>Light fixtures are provided with anti condensation valve.</p>
Environment	<p> Temperature range: - 55° to +55° Degree of protection: IP X8 Ka tested: Salt mist </p>
Mounting	<p> 1. Polaris Solar panel stand AL-123-AX  </p> <p> 2. Polaris base plate AL-124-AX  </p>

Electrical Characteristics

Power consumption: 3W for each LED

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

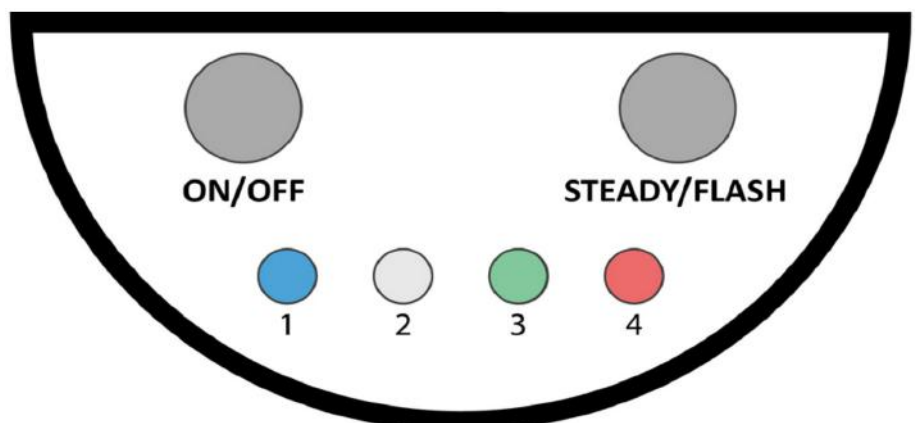
Battery Charging

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.

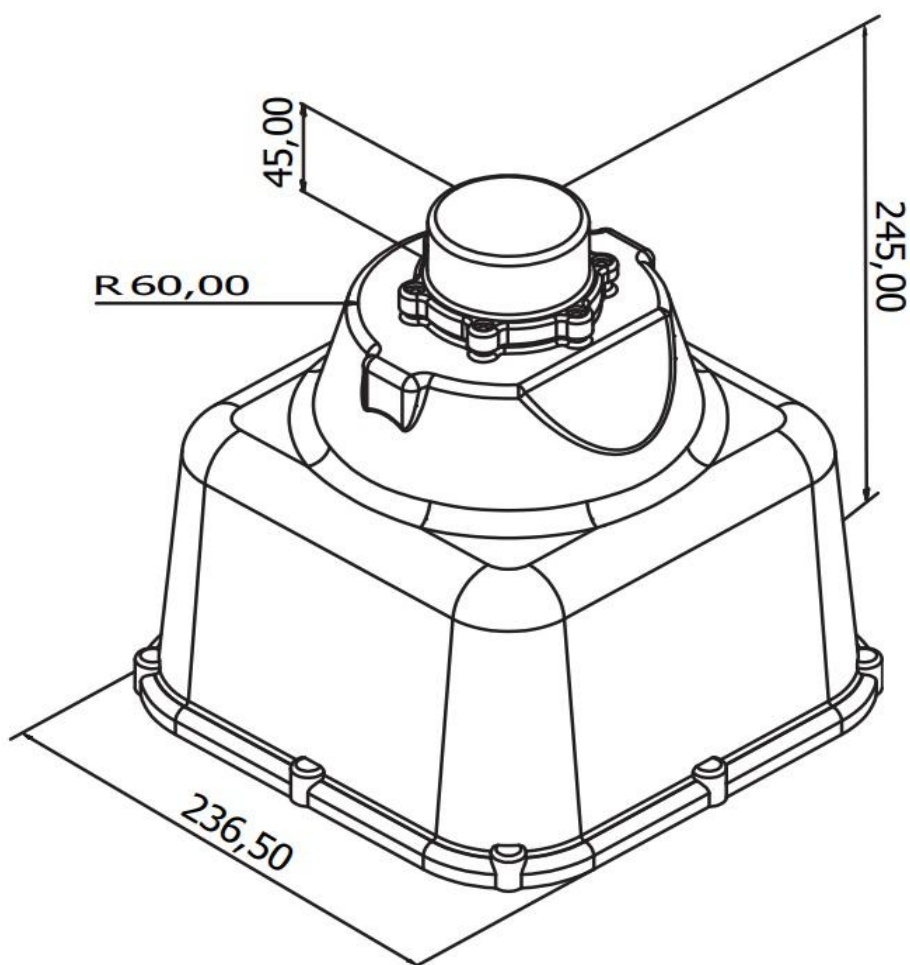


**Mechanical
Characteristics**

Width: 236.5 mm

Total height: 245 mm

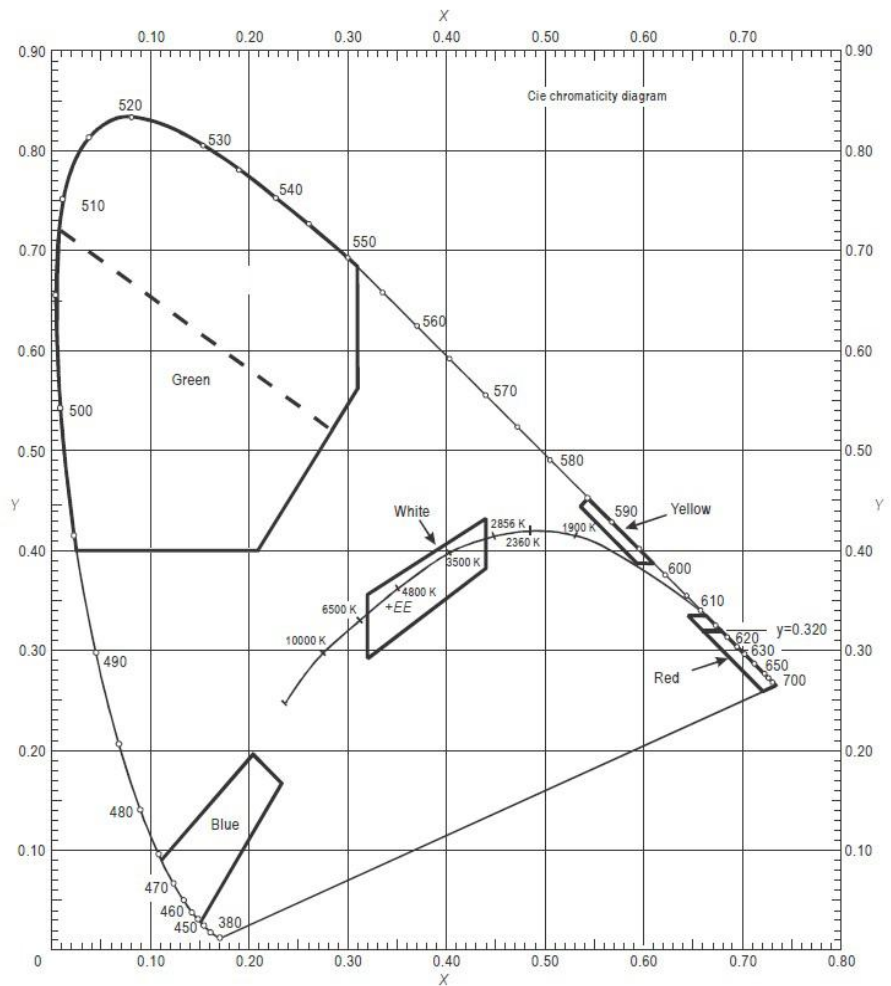
Weight: 5.9 kg



Photometric Characteristics

The intensity of taxiway edge lights shall be at least 2 cd from 00 to 60 vertical , and 0.2 cd at any vertical angles between 60 and 750 .

ICAO requirements Annex 14 Vol.1 - 5.3.18.8







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 - 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	



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