

POLARIS HELIPORT



<p>Compliance to standards</p>	<p>ICAO: International Civil Aviation Organization, Annex 14, Vol. I and II</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>
<p>Application</p>	<p>Portable Heliport lights :</p> <ul style="list-style-type: none"> * TLOF * FATO * Taxiway * Approach <p>The POLARIS design has been done in such way as to provide maximum safety. It is a reliable and flexible product, being easy to fit into any kind of infrastructure.</p>
<p>Features</p>	<p>Designed and built with simplicity and ease of maintenance in mind. High power LED technology (100 000 hrs lifespan).</p> <p>IR LED - optional.</p> <p>Lightweight, low-energy and environment friendly lighting fitting.</p> <p>Autonomy: Brightness level 100% - 16 hrs (for TLOF) Brightness Level 30% - 53 hrs Brightness Level 10% - 156 hrs Brightness Level 1% - 1560 hrs</p> <p>Radio controlled 868MHz (optional 915MHz) with an operating range up to 8km.</p> <p>Operating modes: Steady Flashing Visible/Infrared (optional)</p> <p>Control Option: * POLARIS computer interface * Remote controller * POLARIS buttons</p>

Product Code

AL - 127 - 03 - GR (TLOF)

Series Indicator (Airfield Lighting)	AL
Product Indicator	127
LEDs Number	03
LEDs Light Colour (green)	GR

AL - 128 - 03 - BL (TAXIWAY)



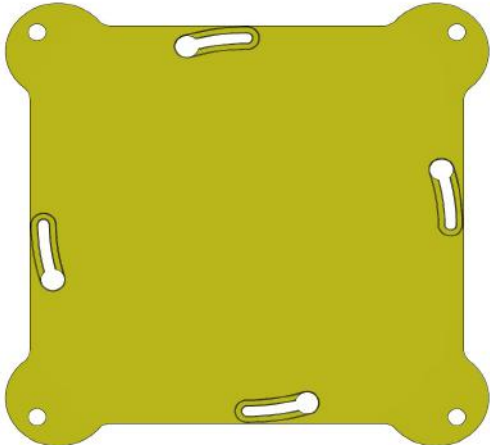
Series Indicator (Airfield Lighting)	AL
Product Indicator	128
LEDs Number	03
LEDs Light Colour (blue)	BL

AL - 093 - 08 - WH (APPROACH)

Series Indicator (Airfield Lighting)	AL
Product Indicator	093
LEDs Number	08
LEDs Light Colour (white)	WH

AL - 131 - 04 - WH (FATO)

Series Indicator (Airfield Lighting)	AL
Product Indicator	131
LEDs Number	04
LEDs Light Colour (white)	WH

<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 Frangible Stand AL-123-AX</p>  <p>2. Polaris Base Plate 3. 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

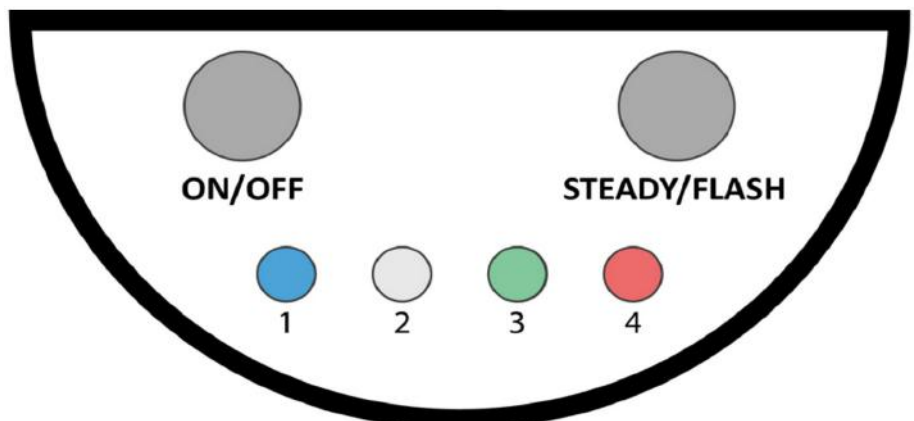
Battery Charging

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.

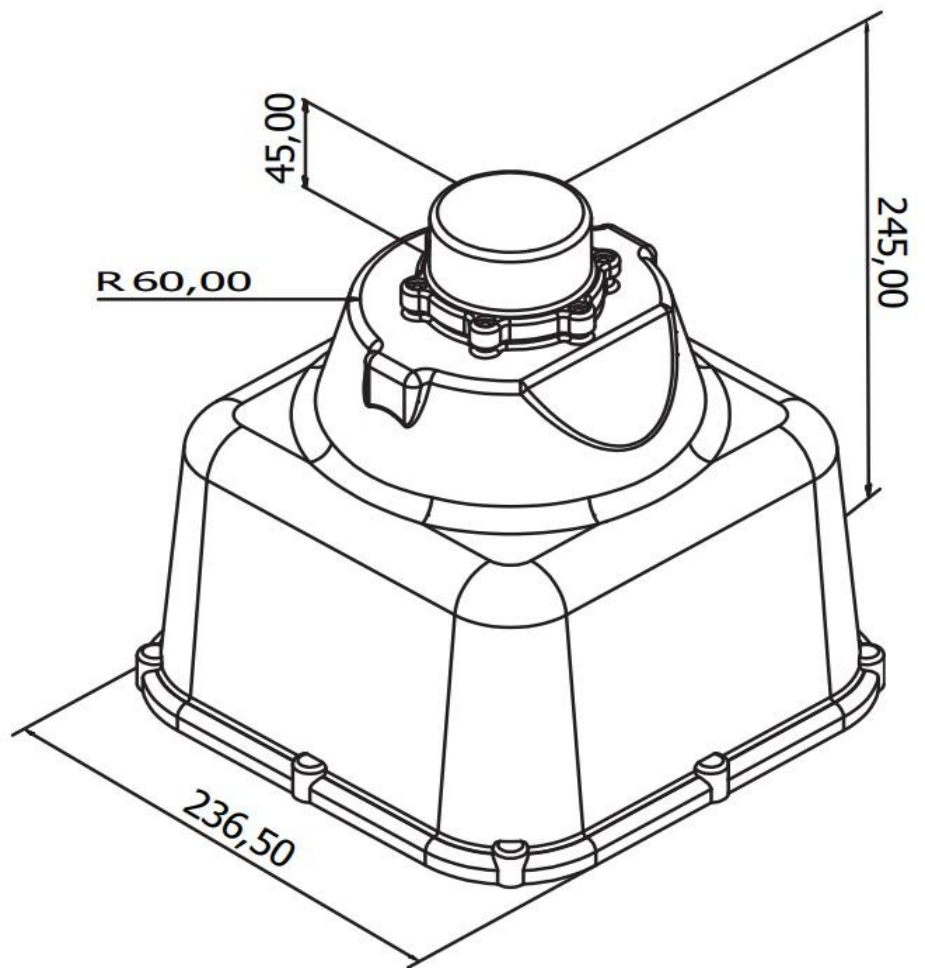


Mechanical
Characteristics

Width: 236.5 mm

Total height: 245 mm

Weight: 5.9 kg



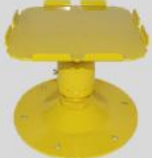



**Photometric
Characteristics**

Compliant to ICAO Annex 14, Vol II Heliports for TLOF, FATO and Approach lights.

Compliant to ICAO Annex 14, Vol I Aerodromes for taxiway lights.

Accessory

To order accessories please call our customer support.

1	Polaris Frangible Stand	AL-123-AX	
2	Polaris Base Plate	AL-124-AX	
3	Polaris Battery Charger	AL-125-AX	
4	Polaris Charging Rack Multiple Options Available	AL-126-AX	

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Airfield Lighting Systems UK Ltd

Aviation House, Russell Gardens, Wickford, Essex, SS11 8BF, UK

www.airfieldlightingsystems.co.uk

sales@alsukltd.co.uk

Phone +44 (0)1702 547562