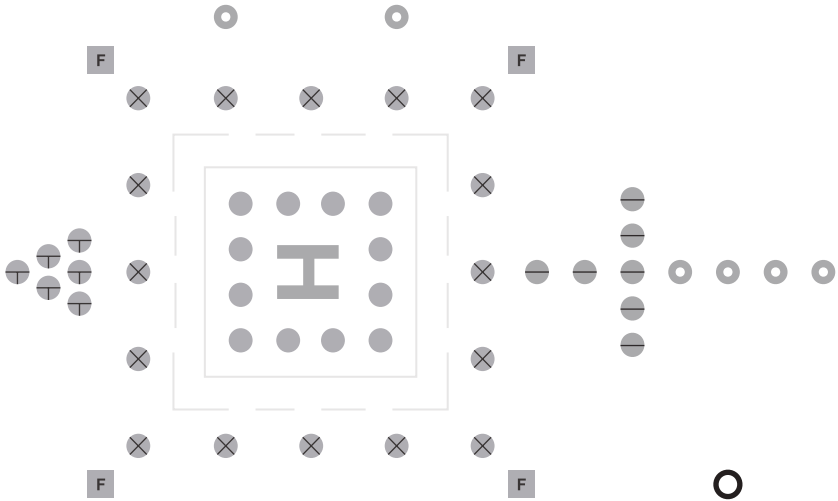
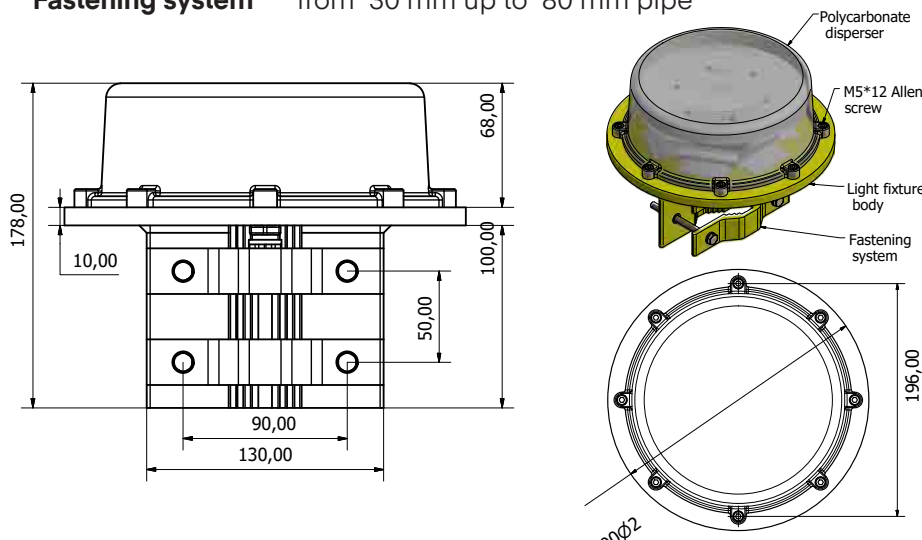


# BEACON



<p><b>Compliance to standards</b></p>	<p><b>ICAO:</b> Annex 14, Volume I - Aerodrome Design and Operations Annex 14, Volume II - Heliports</p> <p><b>IEC TS 61827:</b> Electrical installations for lighting and beaconing of aerodromes. Characteristics of inset and elevated luminaires used on aerodromes and heliports</p>
<p><b>Application</b></p>	<p>Beacon lights</p>  <p> <span>⬆</span> Aiming Point Lights             <span>⊗</span> FATO Lights             <span>F</span> Floodlights             <span>○</span> Approach Lights  <span>●</span> Taxiway Lights             <span>●</span> TLOF Lights             <span>—</span> Approach     <span>⦿</span> <b>Beacon Light</b> </p>
<p><b>Features</b></p>	<p>Designed and built with simplicity and ease of maintenance in mind. High power LED technology. Lightweight, low-energy and environment friendly lighting fitting. Extensive use of aluminium alloys reduces fitting weight and eases handling in the field.</p>

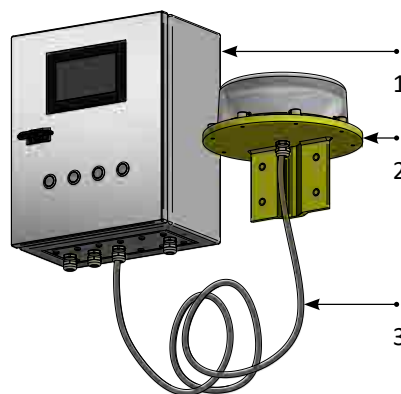
<b>Product Code</b>	<p><b>AL - 061 - 84 - WH</b></p> <p>Series Indicator (Airfield Lighting) <b>AL</b></p> <p>Product Indicator <b>061</b></p> <p>LEDs Number (84 LEDs) <b>84</b></p> <p>LEDs Light Colour (cool white) <b>WH</b></p>
<b>Description</b>	<p><b>Light fixture body</b> - Powder coated aluminium RAL 1004 (aviation yellow)</p> <p><b>Dispenser</b> - clear polycarbonate</p> <p><b>Cable gland</b> - nickel plated brass</p> <p><b>Fasteners</b> - stainless steel</p> <p>Light fixtures are provided with anti condensation valve.</p> <p>Light fixtures are UV protected.</p>
<b>Environment</b>	<p><b>Temperature range:</b> - 55° to +55°</p> <p><b>Degree of protection:</b> IP 66</p> <p><b>Ka tested:</b> Salt mist in accordance with IEC 60068-2-11 and IEC 60068-2-25</p>
<b>Mechanical Characteristics</b>	<p><b>Diameter</b> 196 mm</p> <p><b>Total height</b> 178 mm</p> <p><b>Weight</b> 2.95 kg</p> <p><b>Fastening system</b> from 30 mm up to 80 mm pipe</p> 

## Electrical Characteristics

**Mains power drain**  
**Instant mains power drain**  
**Instant power drain**

5.5 Wh including the controller  
 140W including the controller  
 105W from controller

### Electrical Connections



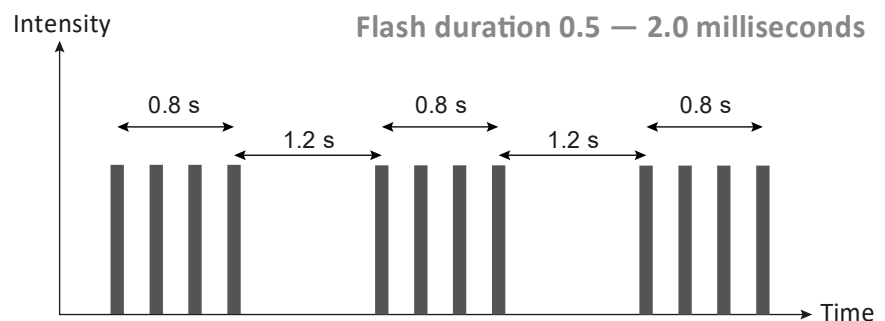
1. Controller
2. Beacon pre cabled
3. Flexible cable

**Power supply directly from controller  
 with 3 core cable:**

**V+** (Red)  
**V -** (Black)  
**GND** (Green / Yellow)

## Photometric Characteristics

The heliport beacon emit repeated series of equispaced short duration white flashes.  
 Light flashing rate: letter H in morse code.

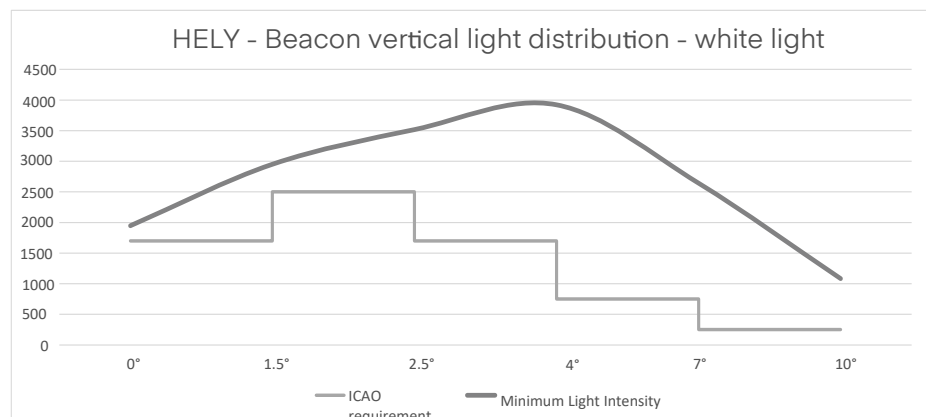


**The flash rate timing values complies with:**  
 ICAO Annex 14 Vol.2 fig.5-10

## Photometric Characteristics

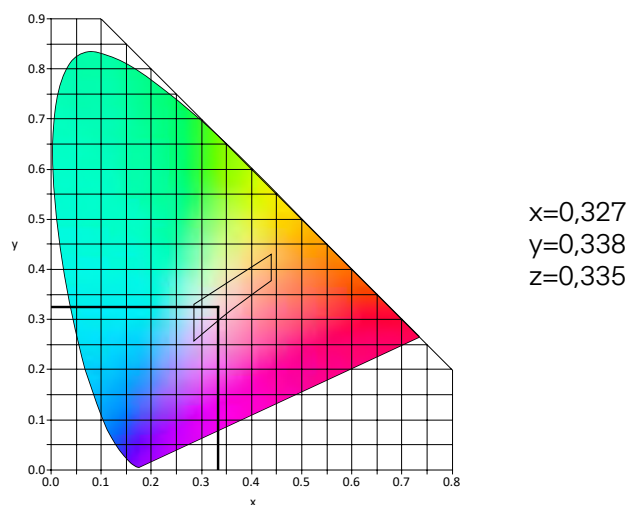
**Intensity level:** 100%, 10%, 3% with controller in 48VDC  
**Horizontal output:** 360°  
**Light colour:** White light

Vertical elevation angle	0°	1.5°	2.5°	4°	7°	10°
Required minimum intensity [cd]	1700	2500	2500	1700	750	250
Measured minimum intensity [cd]	1947	3951	3517	3922	2642	1083



**The brightness intensity values complies with :**  
 ICAO Annex 14 Vol.2 fig.5-11/1

**The light colour emitted by the light fixture is white, with the trichromatic coordinates:**



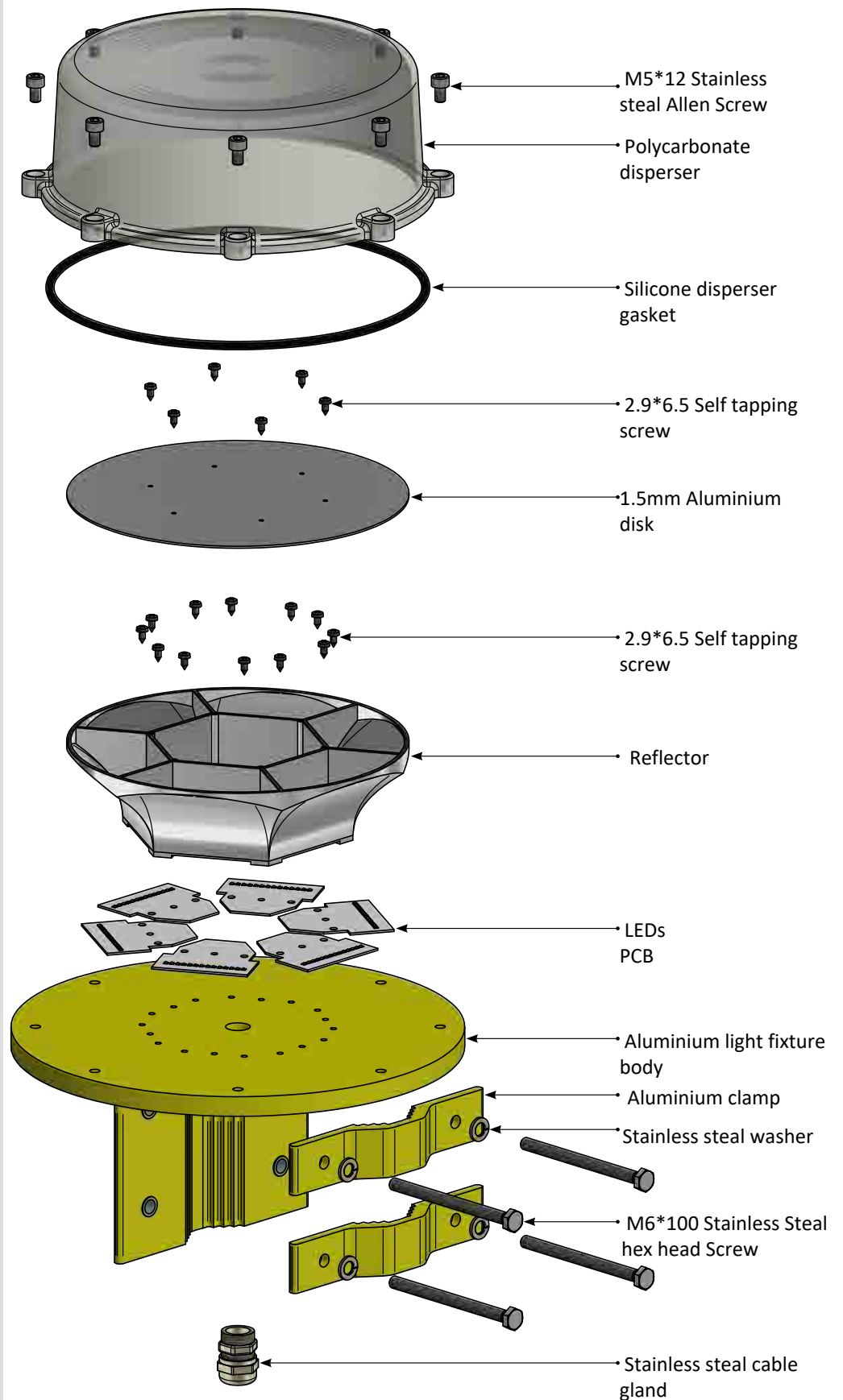
**The measured trichromatic coordinates correspond to colour range requirements in:**

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

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