

Identification Beacon IBN



Compliance To Standards	ICAO: Annex 14, Volume I - Aerodrome Design and Operations IEC TS 61827: Electrical installations for lighting and beaconing of aerodromes. Characteristics of inset and elevated luminaires used on aerodromes and heliports
Application	The Identification Beacon is a powerful, omnidirectional green light designed to flash the aerodrome's identification using Morse code.
Features	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 aluminum alloys reduces fitting weight and eases handling in the field. The sequence emitted by the Identification Beacon is configurable for each aerodrome. Example for KLD airport code:  0,6 s for LINE, 0,2 s for the DOT, 0,2 between signals, 0,6 s between letters, 1,4 s between messages

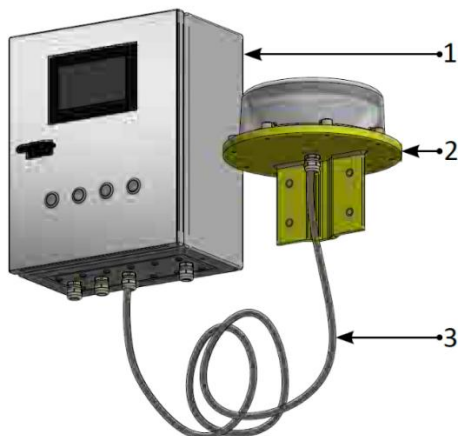
Product Code	AL - 061 - 84 - GR Series Indicator (Airfield Lighting) AL Product Indicator 061 LEDs Number 84 LEDs Light Color (RED) GR
Description	Light fixture body - Powder coated aluminum RAL 1004 (aviation yellow)  Dispenser - clear polycarbonate Cable gland - nickel plated brass Fasteners - stainless steel Light fixtures are provided with anti-condensation valve. Light fixtures are UV protected.
Environment	Temperature range: -20° to +55° Degree of protection: IP65 Ka tested: in accordance with IEC 60068-2-11 and IEC 60068-2-25
Mounting	The IBN can be mounted on a metal tube with a diameter ranging from 32 mm to 80 mm and should be positioned at a height that ensures visibility from any direction. 

Electrical Characteristics

Average power: Depending on the identification code sequence

Peak power: Max 150 W including the 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)

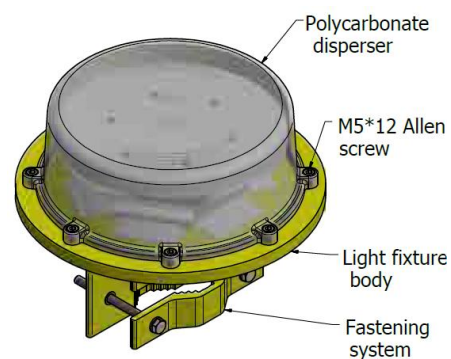
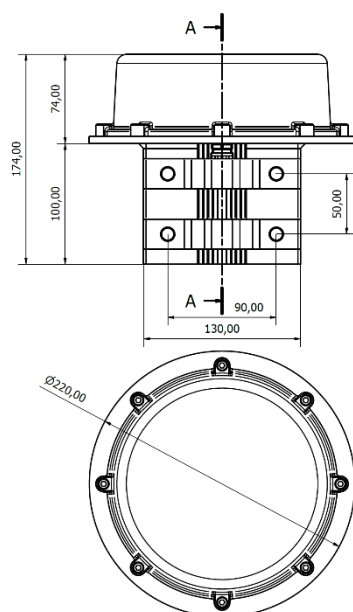
Mechanical Characteristics

Diameter: 220 mm

Total height: 174 mm

Weight: 2.95 kg

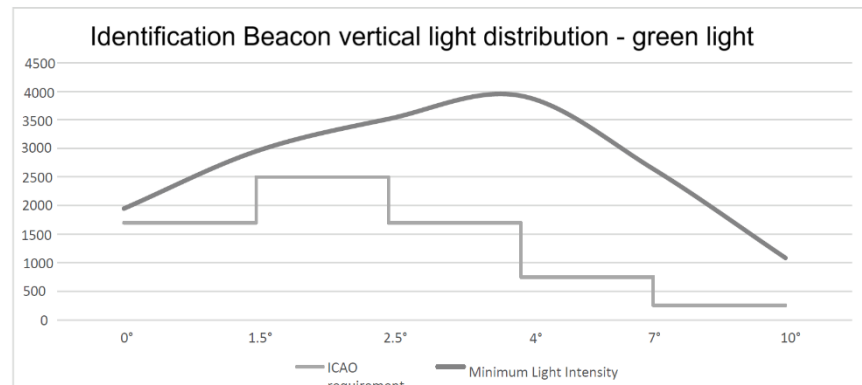
Fastening system: from $\Phi 32$ mm up to $\Phi 80$ mm pipe



Photometric Characteristics

Intensity level: 100%, 10%, 3% with controller in 48 V DC
Horizontal output: 360°
Light color: Green light

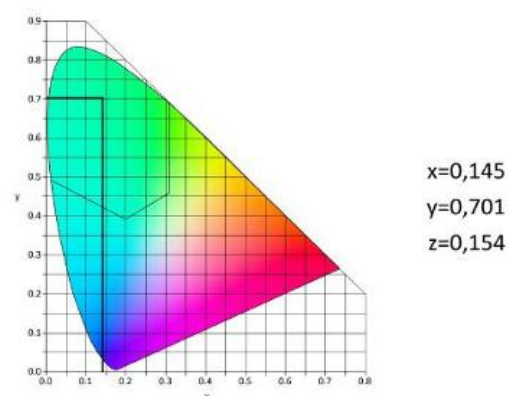
Vertical elevation angle	0°	1.5°	2.5°	4°	7°	10°
Required minimum intensity [cd]	1700	2500	2500	1700	750	250
Measured minimum intensity [cd]	1947	3951	3517	3922	2642	1083



Minimum 2000 effective cd.

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

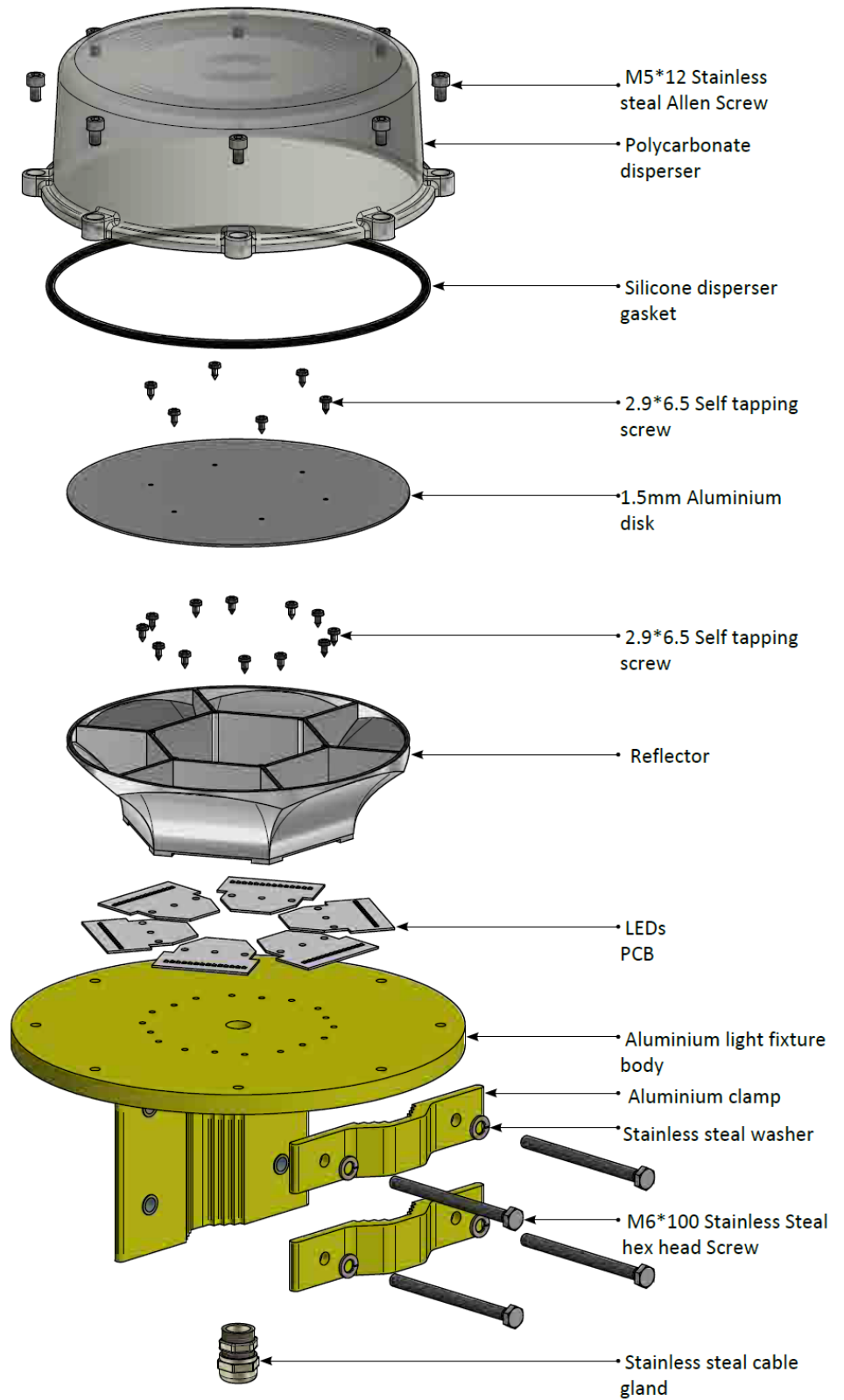
The light color emitted by the light fixture is green, with the trichromatic coordinates:



The measured trichromatic coordinates correspond to color range requirements in:

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

Spare Parts



Accessory

To order accessories please call our customer support.
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