



### COMPLIANCE:

- ICAO Annex 14, Vol I
- ICAO Annex 14, Vol II
- IEC TS 61827

BOARDING TIME

**BOARDING PASS**

NAME OF PASSANGER

FROM:

TO:

DATE                      FLIGHT  
                                 GAES2020

GATE                      SEAT  
23                          21B

GATE CLOSSES 30 MINUTES BEFORE DEPARTURE

GAES 454843121451100

BOARDING PASS



## Uses

TLOF lights (Touchdown and Lift Off Area Perimeter)

## 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 aluminium alloys reduces fittings weight and eases handling in the field.
- Stainless steel fasteners.
- Light fixtures are provided with anti condensation valve.

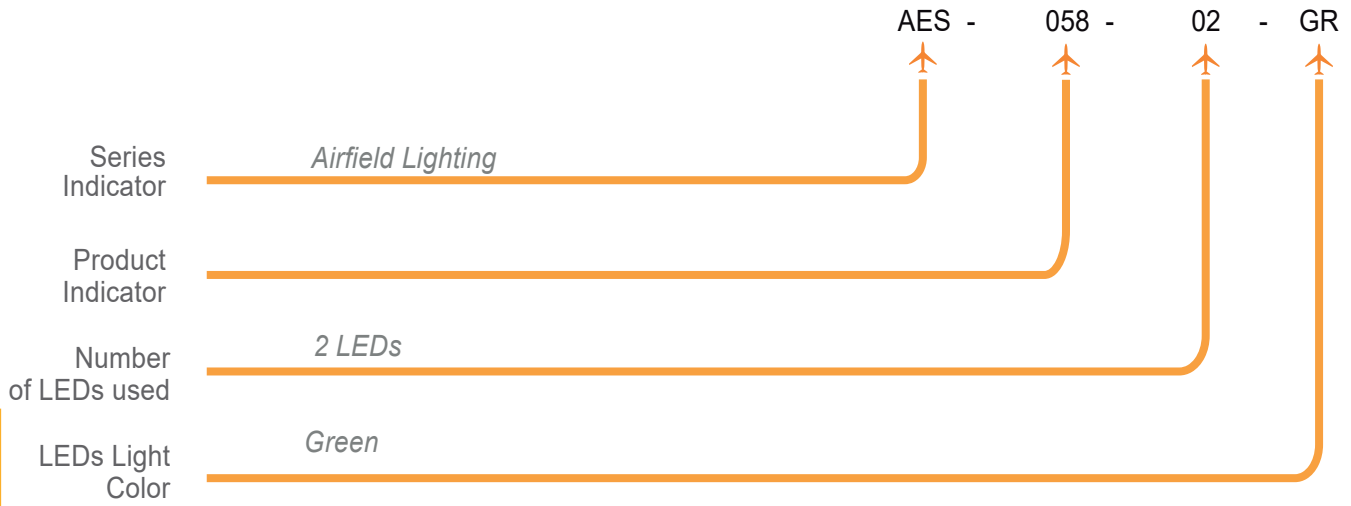


## Technical Specifications

HOUSING MATERIAL	Powder-coated aluminium
LIGHT DIFFUSER	Clear polycarbonate
CASING COLOR	Standard: AVIATION YELLOW (RAL 1004)
POWER SUPPLY	48V DC from controller - dimmable: 100%, 30%, 10%
	90 - 230V, 50/60Hz - non dimmable
POWER CONSUMPTION	1.4A CC - dimmable: 100%, 30%, 10% (internal bypass + SPD)
	4.5W

**AES-058-02-GR** | Elevated TLOF

**Order Code**



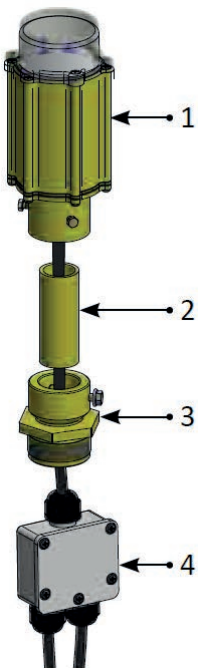
**Environment**

Temperature range: -55°C to +55°C

IP X8

Ka tested: Salt mist in accordance with IEC 60068-2-11 and IEC 60068-2-25

**Electrical Connections**



1. Light Fixture pre cable with 0,5m cable
2. Ø 32mm Coupling Tube
3. Frangible Coupling
4. IP 68 Electrical Junction Box

**Types of power supply:**

- 48V DC power supply from controller with 3 core cable
  - V+** (brown)
  - V-** (blue)
  - Dimming** (green/yellow)
- 230V AC directly from mains power supply
  - Live** (brown)
  - Neutral** (blue)
  - Ground** (green/yellow)
- 1.4A CC power supply from controller with 2 core cable
  - V+** (red mark)
  - V-** (blue mark)

**Code: AES-058-02-GR**

**Code: AES-100-AX**

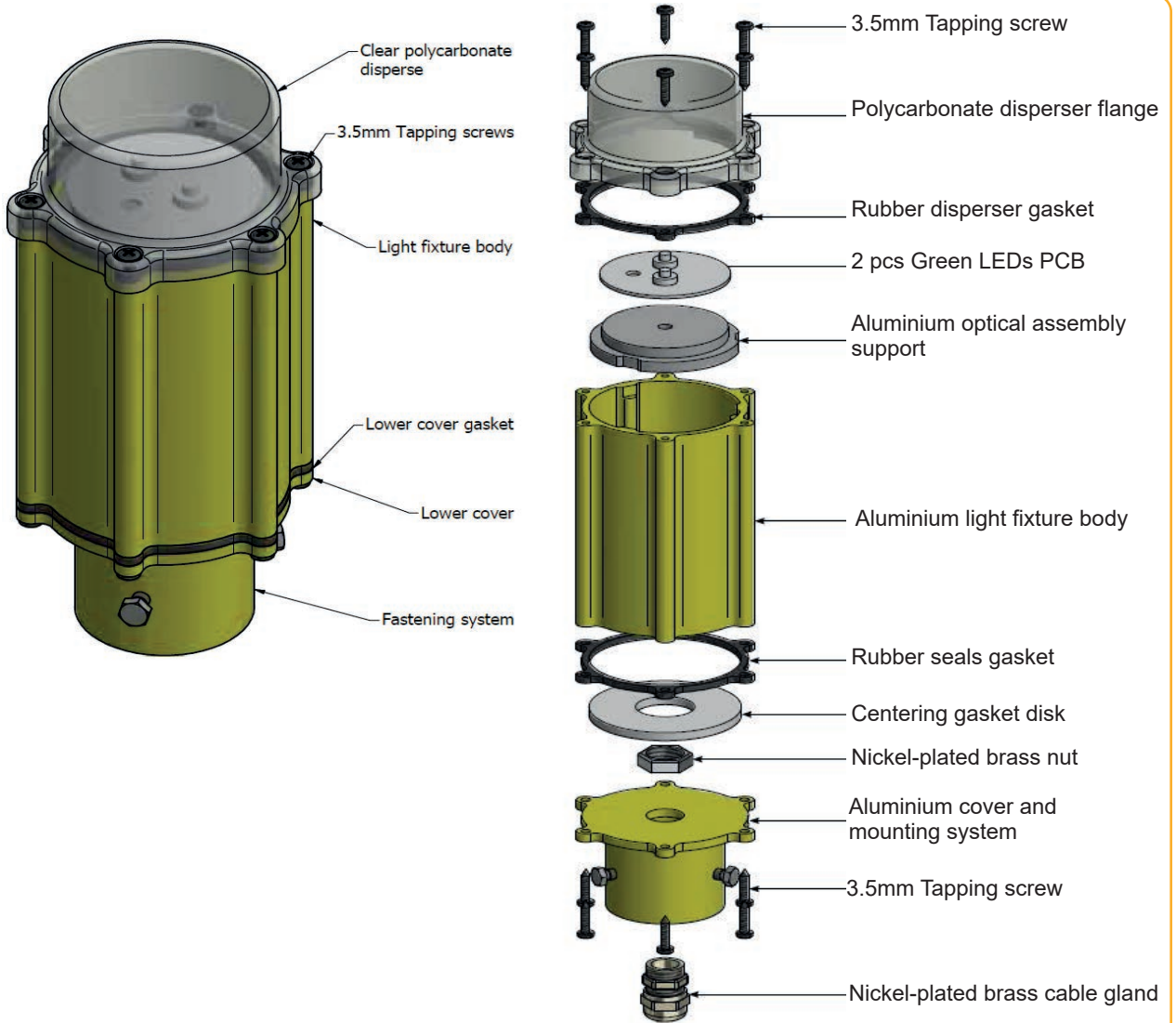
**Code: AES-101-AX**

**Code: AES-107-AX**

## AES-058-02-GR | Elevated TLOF

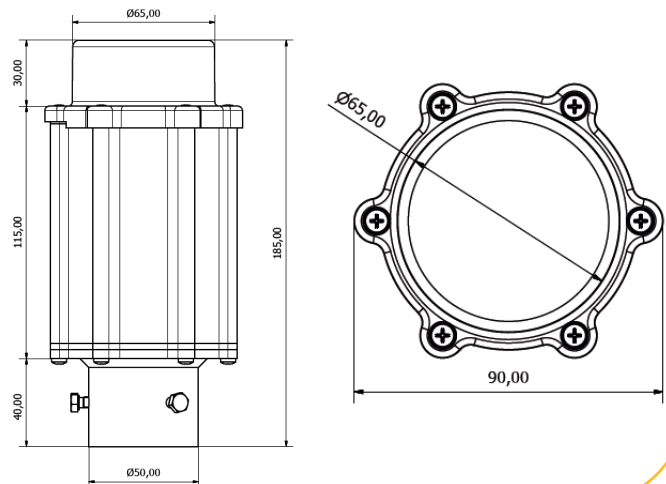


### Structure



### Weight and Dimensions

<b>Diameter</b>	65mm
<b>Total height</b>	185 mm
<b>Weight</b>	1 kg

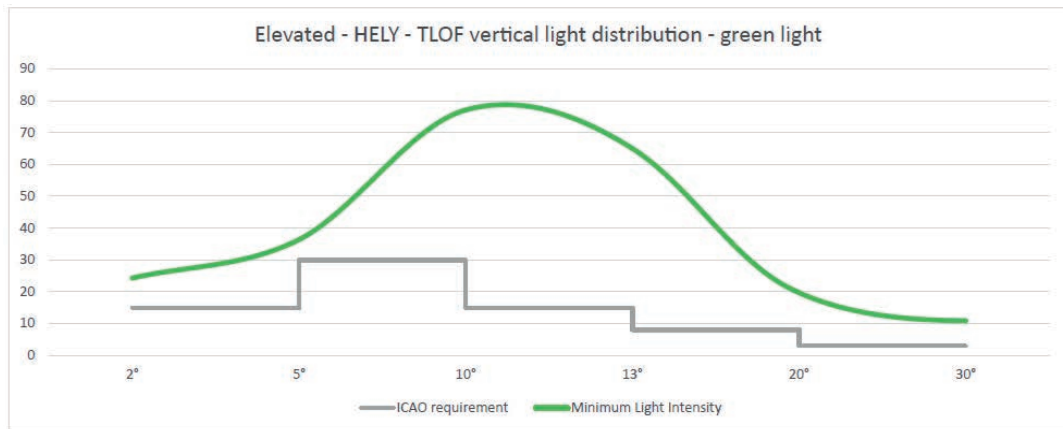


## Photometric Characteristics

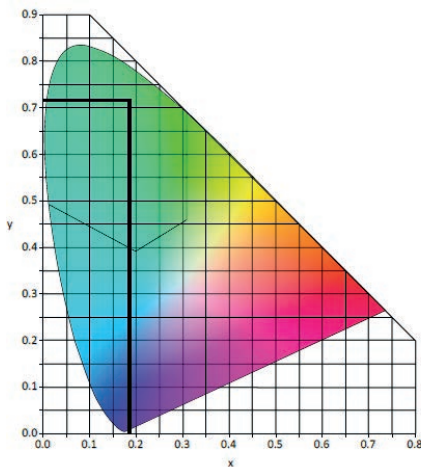
INTENSITY LEVEL	100%, 30%, 10% versions powered in 48V DC or 1.4A CC
HORIZONTAL OUTPUT	360°
LIGHT COLOUR	Green light

Vertical elevation angle	2°-5°	5°-10°	10°-13°	13°-20°	20°-90°
Required minimum intensity (cd)	15	30	15	8	3
Measured minimum intensity (cd)	24.3	36.4	71	111	11.3

The brightness intensity values complies with: ICAO requirements Annex 14 Vol. II Fig. 5-11/6










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



x=0,183  
y=0,716  
z=0,101

The measured trichromatic coordinates correspond to colour range requirements in:  
ICAO Annex 14 - Aerodromes Vol. I, fig. A1-1-1b  
Colours for aeronautical ground lights (solid state lighting)

**AES-058-02-GR | Elevated TLOF****Spare Parts**

Product Code	Description	Image
AES-100-AX	Ø32mm Coupling Tube	
AES-101-AX	Frangible Coupling	
AES-102-AX	Ø 260mm Base Plate	
AES-103-AX	Mounting Flange	
AES-104-AX	Standard Ø160mm Shallow Base	
AES-105-AX	Adapter ring for 8" Shallow Base	
AES-106-AX	Ø160mm Surface Mounted Base	
AES-107-AX	IP68 Electrical Junction Box	
AES-108-AX	Ø160mm Shallow Base Installation Jig	