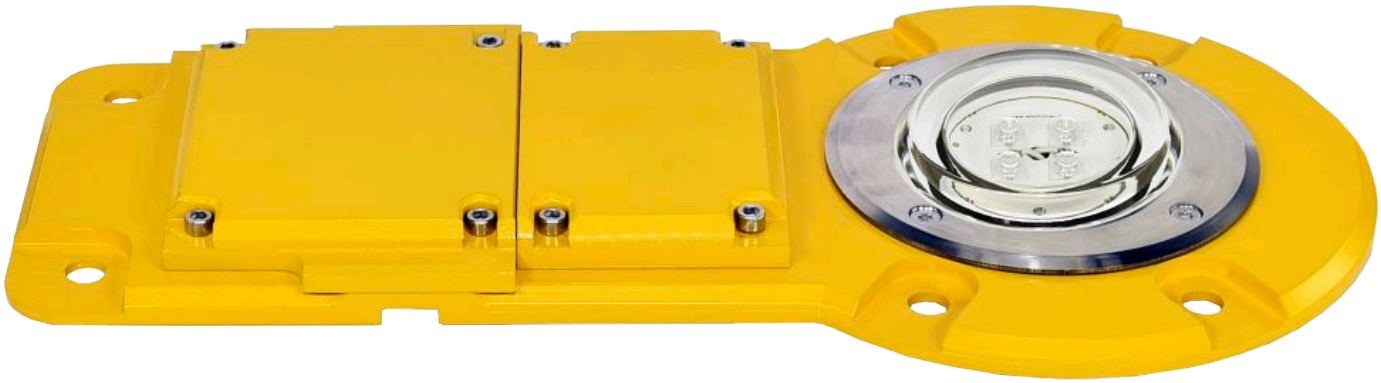
Flat FATO - FD

Final Approach and Take Off



Constructive variant for metal platforms

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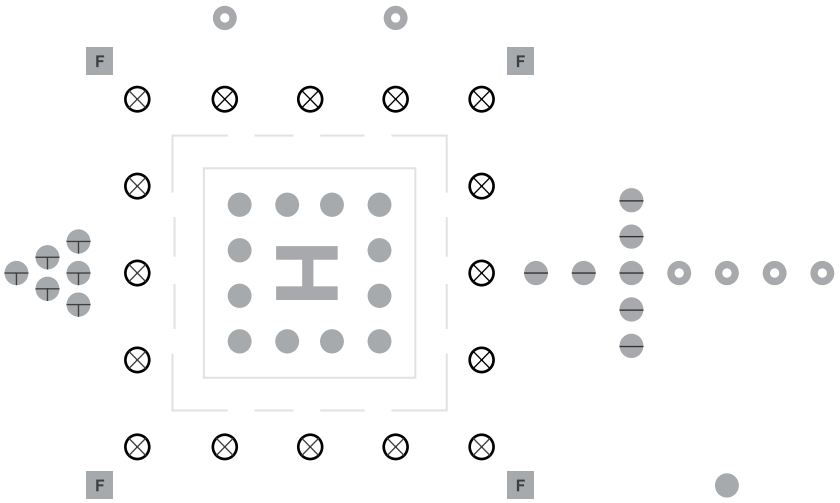
Compliance to standards

ICAO:
Annex 14, Volume I - Aerodrome Design and Operations
Annex 14, Volume II - Heliports
IEC TS 61827:
Electrical installations for lighting and beaconing of aerodromes.
Characteristics of inset and elevated luminaires used on aerodromes and heliports

Application

Aiming point and FATO lights (Final Approach and Take Off Area)



Features

Designed and built with simplicity and ease of maintenance in mind.
High power LED technology.
Lightweight, low-energy and environment friendly lighting fi ting.
Extensive use of aluminium alloys reduces fi ting weight and eases handling in the field

Product Code

AL - 071 - 04 - WH-FD

Series Indicator (Airfield Lighting	**AL**
Product Indicator	**071**
LEDs Number (4 LEDs)	**04**
LEDs Light Colour (cool white)	**WH**
Indicative for surface mounting fixtu e	**FD**

Description

Housing - Powder coated aluminium RAL 1004 (aviation yellow)
Dispenser - hardened glass
Dispenser flange - nickel plated ring
Cable gland - nickel plated brass
Fasteners - stainless steel

Light fixtu es are provided with anti condensation valve.
Light fixtu es are UV protected.

Environment

Temperature range:	- 55^0 to $+55^0$
Degree of protection:	IP X8
Ka tested: Salt mist	in accordance with IEC 60068-2-11 and IEC 60068-2-25

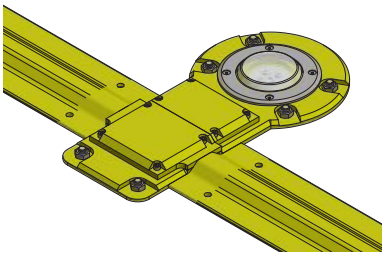
Mounting

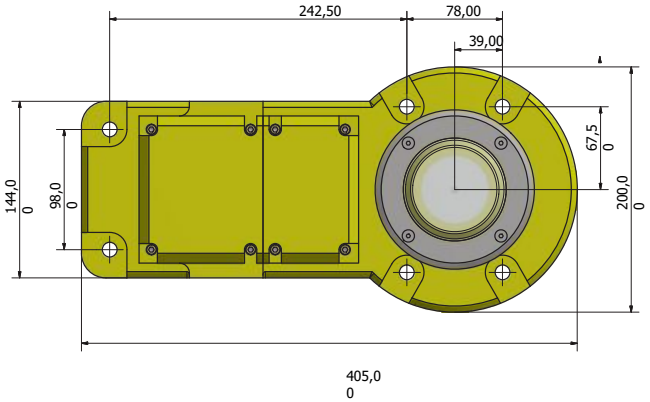
Light fixtu es are designed to be mounted on any hard fl t surface, such as:

- concrete
- asphalt
- metallic structures

Mechanical Characteristics

Length / Width : 405 mm / 200 mm
Height: 23.5
Weight: 2.5 kg





Installation of lighting fixtu e and cable protection:

- with M10 welded bolts on the metalic platform
- with M10 threaded holes in the metal platform

Electrical Characteristics

Power consumption 9W
Power supply 48V DC from controller - dimmable : 100% ,30%, 10%
90-230V, 50/60Hz - non dimmable

Types of power supply :

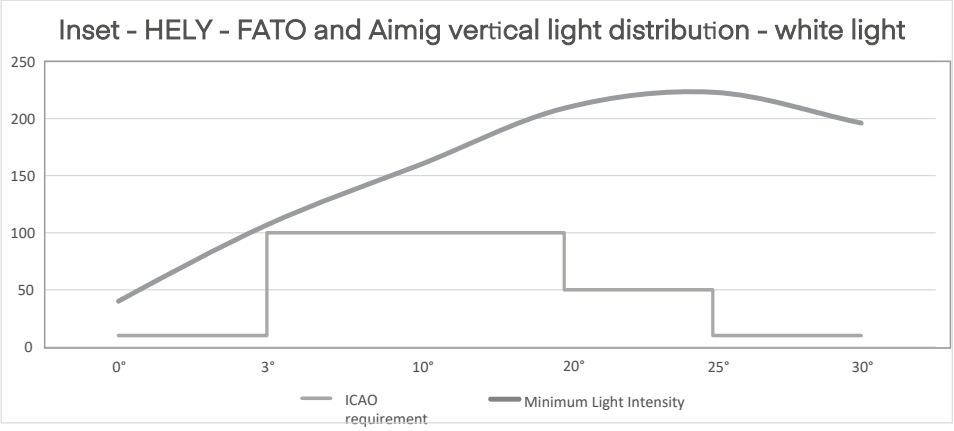
- 48V DC power supply from controller with 3 core cable
  V+ (brown)
  V- (blue)
  Dimming (green/yellow)
- 230V AC directly from mains power supply
  Live (brown)
  Neutral (blue)
  Ground (green/yellow)

The light fixtu es will be provided with sufficient length able, which will be laid through a channel outside the heliport area, where it will be electrically connected using an IP65-rated junction box.
The power cable will be protected by an aluminium profile with a eight of 2.2kg/m.

Photometric Characteristics

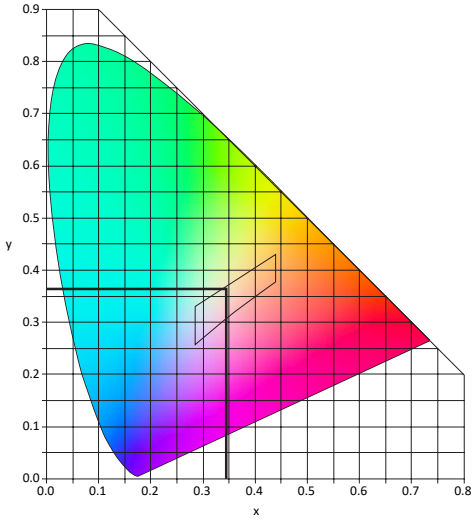
Intensity level: 100%, 30%, 10% with controller in 48VDC
Horizontal output: 3600
Light colour: White light

Vertical elevation angle	0°	3°	10°	20°	25°	30°
Required minimum intensity [cd]	10	100	100	100	50	10
Measured minimum intensity [cd]	40.3	104	158	209	223	196



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

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



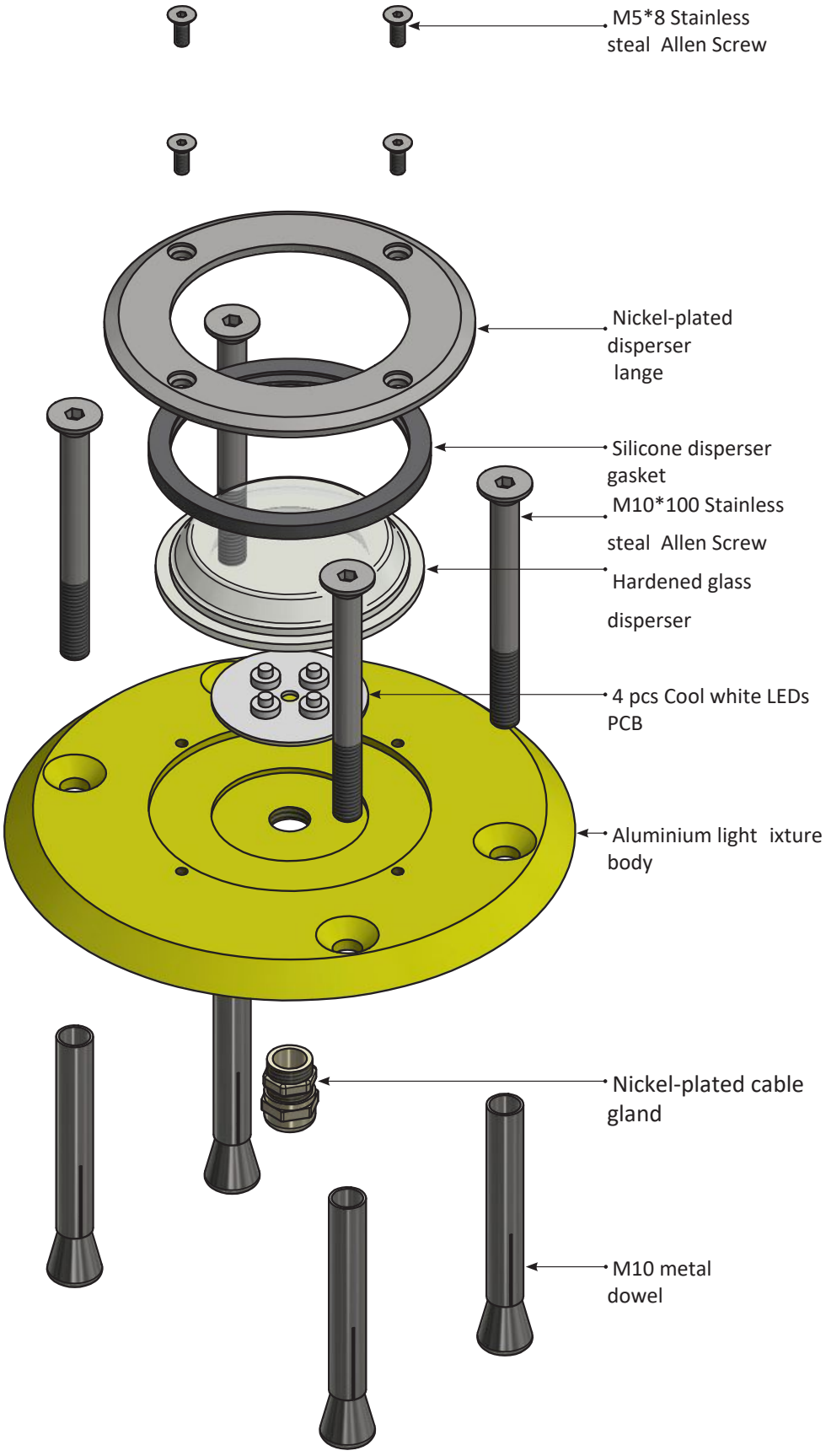
x=0,347
y=0,370
z=0,283

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

Spare Parts


M5*8 Stainless steal Allen Screw
Nickel-plated disperser lange
Silicone disperser gasket
M10*100 Stainless steal Allen Screw
Hardened glass disperser
4 pcs Cool white LEDs PCB
Aluminium light ixture body
Nickel-plated cable gland
M10 metal dowel

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