Utilisation

- Boundary Marking of F.A.T.O: Final Approach and Take Off area
- Boundary Marking of T.L.O.F: Touchdown and Lift Off area
- Taxiway Edge
- Apron Edge
- Heliport Approach Lighting System
- Low Intensity obstruction

Compliance with Standards

- ICAO: Annex 14 Volume II § 5.3.3, 5.3.6, 5.3.7, 5.3.8, 5.3.10
- FAA: AC 150/5390-2B
- OTAN: STANAG 3652
- French STNA
- CAP 168
- BS 3224
F2-1 Elevated Omni-directional Low & Medium Intensity Light

Main advantages

- Low power consumption
- Power supply: 30 Vac 50/60 Hz.
- Lifetime higher than 2,000 hours for halogen lamps, higher than 50,000 hours for LED.
- Frangibility of the fitting comply with FAA standards.
- Easy and fast lamp replacement.
- Power Supply Cable protected by running through the support.
- Simple but sturdy design.
- Light weight: less than 1.5 kg with the lamp.
- The fittings installed on frangible holding tube can be equipped in option with a day marking cone.

Technical characteristics

Lamp: E27 lamp of 75, 60 or 100 W. Lifetime higher than 2,000 hours.
LED lamp: E27 “lamp” with 6 LED. Consumption around 4W. Lifetime higher than 50,000 hours.
Power: 230 Vac, through a 2 x 1, 5 mm² cable.
Photometrics & colors: Compliant with ICAO Annex 14 Appendix 2.
Finish: Yellow full coloured body in polyamid reinforced with glass. Mounting accessories in aluminium. All fixings and fastening in stainless steel.
Overall height: 250 mm (short frangible tube), 340 mm (long frangible tube), from 350 mm to 1.8 m (tiltable mast).
IP: 54
Class: 2

Photometrics

F2.1 white (1x75W)

Helipad lights

F2.1 red (LED) red dome

Low Intensity obstruction lights

A type (10cd)

B type (32cd)
F2-1 Elevated Omni-directional Low & Medium Intensity Light

**Design**

For all the fittings (Approach, T.L.O.F, F.A.T.O, Obstruction, Taxiway Edge and Apron Edge):

1) F2-1 Tripod Stand  
2) Frangible Holding Tube Fixing Screws  
3) Frangible Holding Tube Locknuts  
4a) Long Frangible Holding Tube  
4b) Short Frangible Holding Tube  
5) F2-1 Mounting and accessories  
6) E27 Lamp Holder  
7) Lamp Holder Fixing Screws  
8) F2-1 Gasket  
9a) 100 Watts E27 Lamp  
9b) E27 LED lamp  
10) F2-1 Optical Glass With Fresnel Prism screwed in the Mounting  

Only for Approach fittings:

11) Fixing for Mounting on 60 mm Tube  
12) F2-1 Fixing Screw  
13) 60 mm Tube  

*Note:* Fitting mounted on long frangible holding tube can be equipped as an option with a day marking cone.

**Installation**

- Ground level mounting on Long Frangible Tube (Fig 1).
- Ground level mounting on Short Frangible Tube (Fig 2).
- Up to 1.8 m on a Pole with Frangible Coupling (Fig 3).
- Between 1.8 m et 8.10 m on Tiltable Mast.
- On any other safety support with 60 mm external diameter.
F 2.1 light

Ordering Code

F2.1 light
- F2.1 mounting (without optical glass and lamp)
- White optical glass dome for E27 lamp
- Red optical glass dome for E27 lamp
- Blue optical glass dome for E27 lamp
- Frangible tube
  - Long frangible tube
  - Short frangible tube
- Special tripod stand for frangible tube
- 60 mm tube fixing accessory
- Frangible coupling, 60 mm tube and tripod stand

Lamp
- E27 75 W lamp (F.A.T.O )
- E27 60 W lamp (T.L.O.F, Taxiway and Apron)
- E27 100 W lamp (Approach)
- E27 LED lamp RED
- E27 LED lamp GREEN

Day marking cone (Option)
* Only for ground level mounting on frangible tube

F2.1+E27
F2.1 / FILTER / W
F2.1 / FILTER / R
F2.1 / FILTER / B
F2.1 / LONG_FT
F2.1 / SHORT_FT
F2.1 / TRIPODE STAND
F2.1 / 60mm COUPLING
See Doc 1401.E

Cardboard packing data

<table>
<thead>
<tr>
<th>Designation</th>
<th>Volume in m³</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2.1 fitting without optical glass and without lamp</td>
<td>0,023</td>
<td>315 x 270 x 270</td>
<td>7</td>
</tr>
<tr>
<td>Optical glass dome for E27 lamp (x 6)</td>
<td>0,012</td>
<td>520 x 260 x 200</td>
<td>5,4</td>
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<td>E27 lamps (x 25)</td>
<td>0,027</td>
<td>520 x 260 x 200</td>
<td>1,8</td>
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<td>E27 LED lamp (x 4)</td>
<td>0,003</td>
<td>165 x 165 x 110</td>
<td>1,24</td>
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<td>Day marking cone</td>
<td>0,032</td>
<td>410 x 410 x 185</td>
<td>1,5</td>
</tr>
</tbody>
</table>

Specification

The Approach, F.A.T.O edge, T.L.O.F edge and taxiway edge elevated light shall be omni-directional complying with ICAO recommendations, with FAA, STANAG, CAP 168 and British Standards BS 3224. It shall be fitted with one E27 lamp of 100W for approach, 75W for F.A.T.O and 60W for T.L.O.F. Lamp lifetime must be longer than 20,000h. For T.L.O.F. edge and Low Intensity obstruction lighting, the fitting shall be equipped with LEDs having a lifetime longer than 50,000 hours.

The optical system shall comprise of just an optical glass dome with Fresnel prisms, clear or directly full coloured. Its water-tightness is obtained by using a flat gasket. It shall be able to be mounted at ground level (on long or short frangible holding tube) or on pole or tiltable mast. The overall height shall be 250mm with short frangible holding tube or 340 mm with long frangible holding tube.

The body shall be made of polyamide reinforced with glass fibre, full coloured in yellow aviation. The support tube shall be made of aluminium. All fixings and fastening shall be stainless steel.

The Power cable shall be protected by running through the support. Maintenance on site shall be high-speed as replacement of the lamp is to be made possible by unscrewing the glass dome. The fittings mounted at ground level on frangible holding tube shall be (as an option) equipped with a day marking cone.

All descriptions and photometric characteristics in this publication present only general particulars and shall not form of any contract. The right is reserve to change them without prior notification.

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