

PAPI-LED

LED Precision Approach Path Indicator (PAPI) - Airsafe



Airsafe

Contact details:



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Compliance

- ICAO Annex. 14, Vol. I
- FAA AC 150/5345-28
- EASA: CS-ADR-DSN
- STANAG 3316
- AENA PPT-020_04-12

Uses

LED Precision approach path indicator for airports CAT I, II & III, according to ICAO Figure A2-23 and FAA L-880 / FAAL-881.

Features

- Excellent optical system design, red & white transition performance of LED PAPI is superior with straight transition line.
- Self-position design of optical parts, replacement of LED light source without recalibration.
- Front glass is embedded with electric heating wire, which can eliminate condensation without affecting the lighting effect.
- Intelligent electrical control system can automatically turn off the light in case of abnormal conditions.
- Each light fitting is equipped with a 4-digit LED digital tube to display the elevation angle of the light fitting with high precision.
- The control board is set with “operation mode” and “flight calibration mode” for more convenient use.
- Compact overall structure with small windward area and strong wind resistance.
- The main body of the light fitting is made of corrosion-resistant aluminum alloy with anti-corrosion surface treatment. All fasteners are made of stainless steel, suitable for various harsh environments.
- Equipped with independent level in horizontal and longitudinal direction for convenient installation and maintenance.

Specifications

- Power: 2.8A ~ 6.6A.
- 1x100W / 6.6A Isolation transformer
- Average life: minimum 60.000h at maximum brightness and 100.000h in a normal operating conditions.
- Colors: Red and White.
- Consumption: 72VA; FP >0,95.
- Index Protection: IP65.

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Order Code

PAPI---LED---X---X---X

Type _____

PAPI-LED = LED Precision approach path indicator

Power supply _____

220= Parallel, 220V
066= Series, 6.6A

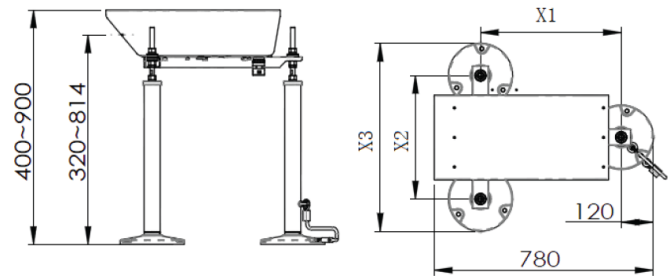
Installation method _____

S installation dimension=500*390 (recommended)
P installation dimension=525*460 (apply to PAPI-300)

Option _____

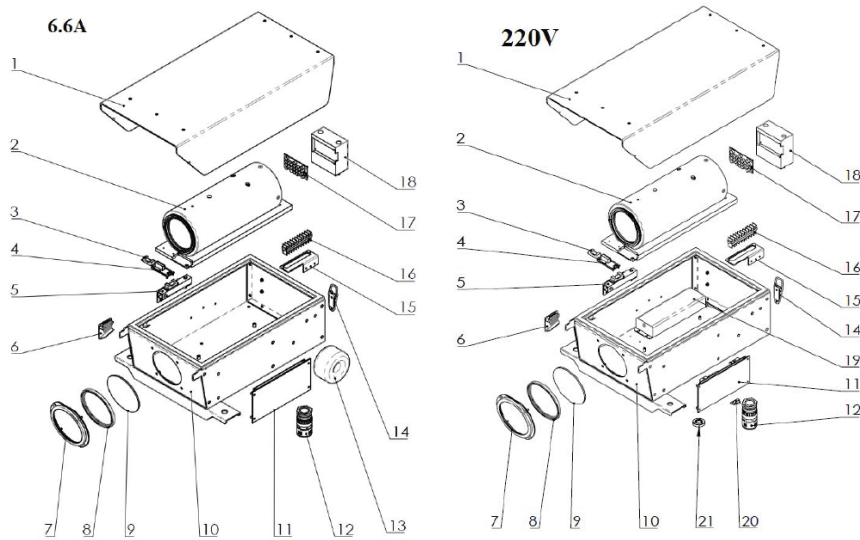
R= with Remote Monitoring
(CAN Communication, recommended option)

Dimensions

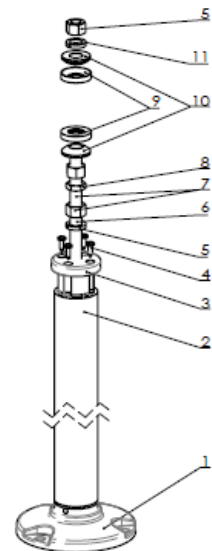


Method	Size	X1	X1	X3
S (recommended)		500	390	630
P		525	460	700

Structure



- | | | |
|---------------------------|-----------------------|-----------------------------------|
| 1. Upper cover plate assy | 8. Glass sealing ring | 15. Bracket |
| 2. Optical lens assy | 9. Front glass | 16. Terminal block |
| 3. Horizontal indicator | 10. Box | 17. LED light source assy |
| 4. Digital display board | 11. Driver | 18. Light source holder |
| 5. Longitudinal indicator | 12. Hose connector | 19. Switch power supply |
| 6. Refrigeration module | 13. Transformer | 20. Optical control circuit board |
| 7. Seal pressing bracket | 14. Hasp | 21. Optical control module |



- | | |
|----------------------------|----------------------------|
| 1. Flange | 7. Hex nut M16 |
| 2. Landing leg | 8. Hex thin nut M16 |
| 3. Front cover landing leg | 9. Lower spherical washer |
| 4. Tapping screw ST5.5 | 10. Upper spherical washer |
| 5. Spring washer 16 | 11. Wave spring washer 16 |
| 6. Screw stem | |

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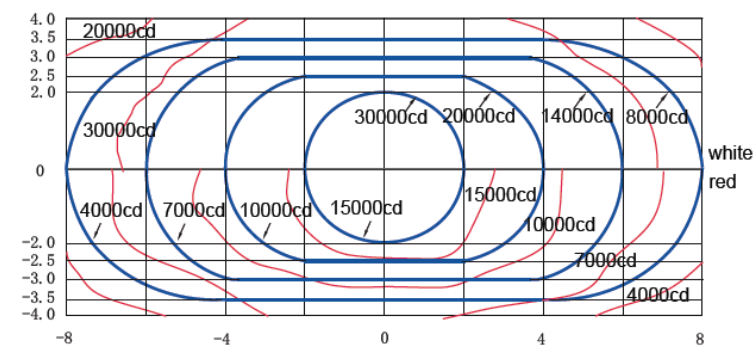
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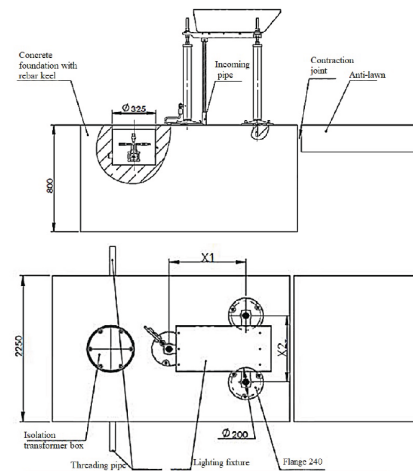


Photometry



Light Intensity distribution of PAPI, ICAO Figure A2-23, FAA L-880/L-881

Installation



Size	X1	X2
Method		
S	500	460
P	525	390

