**Aviasafe GmbH**

| | | | |
|---|---|---|---|
| **Headoffice** | DE 60478 Frankfurt am Main/ Germany<br>Frauenlob Str.8 | **Tel**<br>**Fax** | +49 69 970 863 97<br>+49 69 707 978 04 |
| **Factory** | DE 98597 Fambach Neue Wiese 2 | **Tel** | +49 368 482 764 70 |

info@aviasafe.de www.aviasafe.de

# EL-AP

LED Elevated Approach Light

- IP68: Dust-tight and protected against submersion in water.
- Designed with few mechanical parts, resulting in a more affordable price and allowing for longer maintenance intervals.
- Fully dimmable lights. The light output is variable, similar to a traditional halogen light, operating within the 2.8 A to 6.6 A range.
- The electronics are fully encapsulated.
- Optimized LED performance ensures there are no visual flickers.
- Built-in voltage surge and lightning protection.

## INSTALLATION

The fixture can be installed on a baseplate or pipe elbow.

*Refer to the user manual DC-MN-IN-EL*

## ENVIRONMENTAL CONDITIONS

**Temperature:** -45 °C to +55 °C
-49 °F to +131 °F

**Humidity:** Up to 100%

## VOLUME & WEIGHT

**Weight:** 3.9 Kg

**Volume(m³):** 0.009

## COMPLIANCE

| | |
|---|---|
| **ICAO** | Annex 14 - Volume I |
| **FAA** | AC150/5345-46 & EB No.67D |
| **EASA** | CS-ADR-DSN |
| **IEC** | TS 61827 |
| **NATO** | STANAG 3316 |
| **CAA** | CAP 168 |

## APPLICATIONS

- Approach Centerline & Cross Bars & Side Rows
- Threshold & Wing Bars
- Runway End
- Stop Bars

## FEATURES & BENEFITS

- LED Unidirectional Elevated Light.
- Average LED life of 60,000 hours at full intensity but over 100,000 hours in typical operating conditions.
- Very low energy consumption compared to halogen lights, resulting in a lower range of CCRs and transformers.
- Low life cycle costs due to the long LED lifespan.
- Operates on 3-step or 5-step ferroresonant or thyristor CCRs.
- In compliance with FAA & EASA standards.
- Fully compatible with existing Airfield Lighting infrastructure. Installation on the same mounting device as most conventional lights for a straightforward replacement.

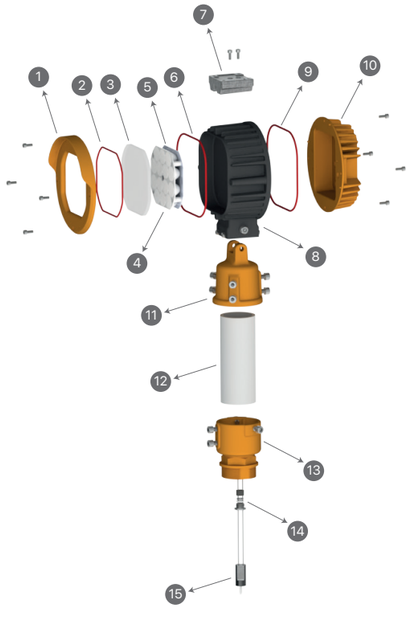
# EL-AP

LED Elevated Approach Light

www.aviasafe.de

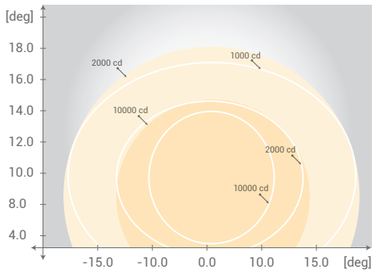
## MAIN COMPONENTS OF THE LIGHT UNIT

1. Front Body
2. O-Ring
3. Front Glass
4. TIR
5. LED PCB
6. O-Ring
7. Aiming Device
8. LED Module
9. O-Ring
10. Back Body
11. Aiming Support
12. Pipe (OD60 mm)
13. Breakable Coupling
14. Gland with Accessories
15. Lead Wire

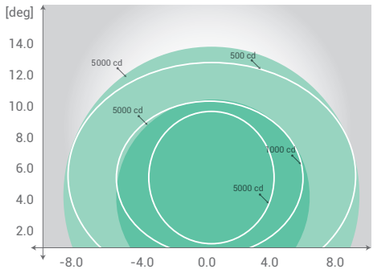



## PHOTOMETRIC PERFORMANCE

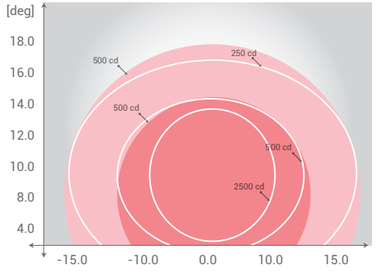
White




Green

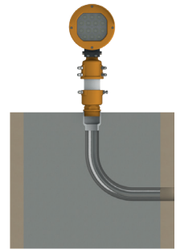



Red

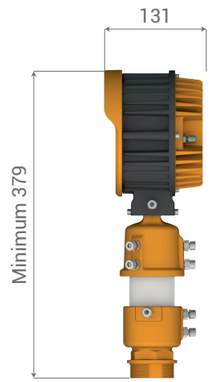



## INSTALLATION SECTION

Deep Base 12" and Base Plate



Pipe Elbow




**EL-AP - C - Q - C**

- **Basic P/N**
- **Use Code:** (Refer to Table A)
- **Monitoring**
  **Q:** Without Monitoring
  **M:** With Monitoring
- **Heater**
  **C:** Without Heater
  **H:** With Heater

### ELECTRICAL TABLE

| TYPE | Consumption at 6.6A | Power Factor | |
|---|---|---|---|
| | | 2.8A | 6.6A |
| Light White (w/o Heater) | 38 VA | 0.96 | 0.98 |
| Light White (with Heater) | 53 VA | 0.96 | 0.98 |

### TABLE A

| CODE | USE | COLOR |
|---|---|---|
| C | Approach centreline and crossbars | WHITE |
| R | Approach side row | RED |
| T | Threshold | GREEN |
| W | Threshold wing bar | GREEN |
| E | Runway end | RED |
| S | Stop bar | RED |