



## ATTESTATO DI ESAME DELLA CONFORMITA' CONFORMITY EXAMINATION CERTIFICATE

Apparecchiatura elettrica o sistemi regolatori destinati ad essere utilizzati in Aeroporti ed Eliporti.  
*Electrical equipment or control system intended for use in Aerodromes and Heliports.*

Nr. Attestato / Certificate No. : **TC966/26/FC/fc rev.1**

Apparecchiatura o sistema regolatore / *Electrical equipment or control system:*

### **LED FLASHING SYSTEM** **LED Approach Sequential Flashing Light, Runway Threshold Identification Light, Circular Guidance Light, composed by:**

FMCU: Flash Master Control Unit  
FFU: Flash Field Unit  
LIFL: Led Inset Flashing Light  
LEFL: Led Elevated Flashing Light

Fabbricante / Manufacturer : **OCEM Airfield Technology**, a division of ENERGY TECHNOLOGY srl  
Indirizzo / Address : Via della Solidarietà, 2/1 – 40056 Valsamoggia loc. Crespellano (BO) – Italy

**BUREAU VERITAS ITALIA a seguito di verifica di terza parte (rapporto di ispezione nr. TC965/26/FC/fc rev.1) attesta che il modello di seguito identificato, è stato esaminato secondo quanto previsto da:**

***Following the third part inspection (inspection report nr. TC965/26/FC/fc rev.1), BUREAU VERITAS ITALIA attests that type identified hereunder has been examined against the provisions of:***

- IEC TS 61827 “Electrical installations for lighting and beaconing of aerodromes – Characteristics of inset and elevated luminaires used on aerodromes and heliports.” First edition dated 2004-05
- ICAO Annex 14 Aerodromes Volume I “Aerodrome Design and Operations”. Ninth edition, July 2022
- ICAO Doc 9157 Aerodrome Design Manual Part 4 - Visual Aids. Fifth Edition, 2021
- ICAO Doc 9157 AN/901 Aerodrome Design Manual Part 6 “Frangibility”. First edition – 2006
- NATO STANAG 3316 “Nato Standardization Agreement (STANAG) 3316 NAVY/ARMY/AIR”. Edition 11 RD1
- EASA CS-ADR-DSN “Certification Specifications and Guidance Material for Aerodrome Design”. Issue 7, 16 May 2025
- CAA CAP168 “Licensing of Aerodromes”. Thirteenth Edition July 2025
- TCCA TP312 “Aerodrome standards and recommended practices. Land Aerodromes.” 5th edition, September 15th 2015
- CASA Part 139 (Aerodromes) Manual of Standards 2019. Compilation No. 7. Compilation date: 12 May 2026

Questo attestato perde la sua validità dopo 7 anni dalla data di emissione, o in caso di modifiche al dispositivo che possano influire sulla conformità ai requisiti dello standard di riferimento.

*This certificate shall be deemed to be void after 7 years from the issuing date or in case of modification to the device where this may affect conformity with the reference standard.*

Data di 1a emissione  
*1st issue date*  
Milan, 05 February 2026

Data di modifica  
*Modification date:*  
Milan, 22 July 2026

Data di scadenza  
*Expiring date*  
Milan, 05 February 2033

*Emesso da (Issued by):*  
Felice Cammara



Punti dello standard presi in considerazione durante la valutazione.  
*Sections of the standard considered during the assessment.*

| Test                      | Type                                      | Result         |
|---------------------------|-------------------------------------------|----------------|
| Dimensional               | IEC (61827) par.6.2                       | Complies       |
| High temperature          | IEC (61827) par.6.3.1.1                   | Complies       |
| Low temperature           | IEC (61827) par.6.3.1.2.1 & par.6.3.1.2.2 | Complies       |
| Thermal shock             | IEC (61827) par.6.3.2.1 & par.6.3.2.2     | Complies       |
| Corrosion (salt spray)    | IEC (61827) par.6.3.3.1 & par.6.3.3.2     | Complies       |
| Moisture                  | IEC (61827) par. 6.3.4                    | Complies       |
| Solar radiation           | IEC (61827) par. 6.3.5                    | Not applicable |
| EMC                       | IEC (61827) par. 6.3.6                    | Complies       |
| Static Load               | IEC (61827) par. 6.4.1.1                  | Complies       |
| Shear Load                | IEC (61827) par. 6.4.1.2                  | Complies       |
| Mechanical impact         | IEC (61827) par. 6.4.1.3                  | Complies       |
| Hydraulic impact          | IEC (61827) par. 6.4.1.4                  | Complies       |
| Vibration                 | IEC (61827) par. 6.4.1.5                  | Complies       |
| Watertightness            | IEC (61827) par. 6.4.1.6.1                | Complies       |
| Surface temperature       | IEC (61827) par. 6.4.1.7                  | Complies       |
| Jet blast                 | IEC (61827) par. 6.4.2.1                  | Complies       |
| Frangibility              | IEC (61827) par. 6.4.2.2                  | Complies       |
| Dielectric rigidity       | IEC (61827) par. 6.5.1                    | Complies       |
| Creepage and clearance    | IEC (61827) par. 6.5.2                    | Complies       |
| Insulation resistance     | IEC (61827) par. 6.5.3                    | Complies       |
| Electrical shock          | IEC (61827) par. 6.5.4                    | Complies       |
| Photometry(*)(**)         | IEC (61827) par. 6.6.1.1                  | Complies       |
| Chromaticity              | IEC (61827) par. 6.6.2                    | Complies       |
| Accelerated life          | IEC (61827) par. 6.7.1.1 & par. 6.7.1.2   | Complies       |
| Standard useful lamp life | IEC (61827) par. 6.7.2                    | Complies       |

The above tests are deemed to be performed only on the parts of the system required by the standards.

(\*): In case of inset lights (LIFL) the photometric requirements are achieved with two units.

(\*\*): for the CASA MoS standard the photometric test is performed also at medium and low intensity.

#### Revisione N° 01 / Revision N°01:

Ragione della modifica Revisione N° 01 del 22/07/2026. La revisione N°1 è basata sull'IR P965/26/FC/fc rev.1: verificata la conformità alla media e bassa intensità richieste dalla norma CASA MoS e aggiornamento costruttivo del dispositivo LEFL per conformità alla norma CASA MoS ottenuta con una singola unità

*Modification reason Revision N°01, dated 22/07/2026. Revision N° 1 is based upon statement P965/26/FC/fc rev.1: verified compliance with the medium and low intensity required by the CASA MoS standard and construction update of the LEFL device for compliance with the CASA MoS standard achieved with a single unit*