



**BUREAU VERITAS ITALIA S.p.A. V.le Monza, 347 – 20126 Milano**

**ATTESTATO DI ESAME DELLA CONFORMITA'**  
**CONFORMITY EXAMINATION CERTIFICATE**  
**N° P9034/21/FC/fc rev.1**

**BUREAU VERITAS ITALIA a seguito di verifica di terza parte (rapporto di ispezione nr. P9003/21/FC/fc) attesta che il modello di seguito identificato, è stato esaminato secondo quanto previsto da:**

- 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. Eighth edition July 2018
- EASA CS-ADR-DSN - Certification specifications and guidance material for aerodromes design - Issue 5, 2021
- TCCA TP 312E, Aerodrome Standards and Recommended Practices. 5th Edition, September 15th 2015
- CASA Civil Aviation Safety Authority – Part 139 (Aerodromes) Manual of Standards (MoS). 5th Edition 13 August 2020
- CAA CAP168 Licensing of Aerodromes. Edition 11, January 2019

**Following the third part inspection (inspection report nr. P9003/21/FC/fc), 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. Eighth edition July 2018
- EASA CS-ADR-DSN - Certification specifications and guidance material for aerodromes design - Issue 5, 2021
- TCCA TP 312E, Aerodrome Standards and Recommended Practices. 5th Edition, September 15th 2015
- CASA Civil Aviation Safety Authority – Part 139 (Aerodromes) Manual of Standards (MoS). 5th Edition 13 August 2020
- CAA CAP168 Licensing of Aerodromes. Edition 11, January 2019

**Dispositivo / Device:**  
**LIRD**  
**Inset Runway Threshold Light.**

**Fabbricante**  
**manufacturer**

**ENERGY TECHNOLOGY S.r.l.**

**Via della solidarietà, 2/1 – 40056 Valsamoggia loc. Crespellano (BO) – ITALY**

Questo certificato 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.*

Questo certificato è composto da 2 (due) pagine/This certificate is composed by 2 (two) pages)

**Luogo: Padova**  
**Place**

**Data: 21/09/2026**  
**Date**

**Firmato da: Felice Cammara**  
**Signed by**

**Firma:**  
**Signature**



**Punti dello standard presi in considerazione durante l'esame / Points of standard taken in account**

| TEST                      | TYPE                                                                                          | RESULT   |
|---------------------------|-----------------------------------------------------------------------------------------------|----------|
| Dimensional               | 6.2                                                                                           | Complies |
| High temperature          | 6.3.1.1                                                                                       | Complies |
| Low temperature           | 6.3.1.2.1                                                                                     | Complies |
| Thermal shock             | 6.3.2.1                                                                                       | Complies |
| Corrosion (salt spray)    | 6.3.3.1                                                                                       | Complies |
| EMC                       | 6.3.6                                                                                         | Complies |
| Static Load               | 6.4.1.1                                                                                       | Complies |
| Shear Load                | 6.4.1.2                                                                                       | Complies |
| Mechanical impact         | 6.4.1.3                                                                                       | Complies |
| Hydraulic impact          | 6.4.1.4                                                                                       | Complies |
| Vibration                 | 6.4.1.5                                                                                       | Complies |
| Watertightness            | 6.4.1.6.1                                                                                     | Complies |
| Surface temperature       | 6.4.1.7                                                                                       | Complies |
| Dielectric rigidity       | 6.5.1                                                                                         | Complies |
| Creepage and clearance    | 6.5.2                                                                                         | Complies |
| Insulation resistance     | 6.5.3                                                                                         | Complies |
| Electrical shock          | 6.5.4                                                                                         | Complies |
| Photometry                | ICAO Fig.A2-5<br>EASA Fig.U-9<br>TR312 Fig.B-5<br>CASA Fig.9.75 (10)<br>CAP168 Fig.6A.5       | Complies |
| Chromaticity              | ICAO Figure A1-1b<br>EASA Fig. U1-B<br>TP312 Fig.A-1(b)<br>CASA Fig. 9.15<br>CAP168 Fig.6A.22 | Complies |
| Accelerated life          | 6.7.1.1                                                                                       | Complies |
| Standard useful lamp life | 6.7.2                                                                                         | Complies |

---

Data di emissione di questo documento per determinare la scadenza: 07/12/2021  
*Date of issuing of this document in order to determine the expiring date: 07/12/2021*

Il presente attestato sostituisce la precedente revisione P9034/21/FC/fc  
*This certificate replaces the previous revision P9034/21/FC/fc*