

DECLARATION OF CONFORMITY

Manufacturer's declaration about conformity of ADB Safegate lights to aviation requirements.

We herewith declare that the **SYS800D LED SFL/TIL** Approach Sequential Flash (SFL) and Threshold Identification (TIL) System consisting of the following products: LED inset flashing light (type **IL868D-SFL/TIL**), LED elevated flashing light (type **EL817D-SFL/TIL**) manufactured by ADB Safegate bvba, in Zaventem, Belgium and the LED flash control unit (type **MCU800D-SFL/TIL**) manufactured by ADB Safegate Germany GmbH, in Mannheim, Germany has been found in conformity with:

- the catalogue sheet "data-sheet-sys-800D-sfl-til"
- the ICAO Annex 14 – Volume I
 - Section 5.3.4 Approach lighting systems, in particular 5.3.4.34 and 5.3.4.35
 - Section 5.3.7 Runway lead-in lighting systems
 - Section 5.3.8 Runway Threshold Identification Lights (RTIL)
- the EASA Certification Specifications Aerodromes Design
 - Chapter CS ADR-DSN.M.635 Precision approach Category II and III lighting system
 - Chapter CS ADR-DSN.M.665 Runway lead-in lighting systems
 - Chapter CS ADR-DSN.M.670 Runway threshold identification lights
- the TP312 Aerodrome Standards and Recommended Practices (Canada)
 - Chapter 5.3.5 Approach Lighting System, in particular 5.3.5.88 and 5.3.5.89
 - Chapter 5.3.10 Runway Threshold Identification Lights (RTIL)
 - Chapter 5.3.19 Runway Lead-In Lighting System (LDIN)
- the Manual Of Standards 139 (Australia)
 - Chapter 9.7.3 Precision Approach Categories II and III Lighting System, in particular 9.7.3.14
 - Chapter 9.10.15.6 Runway Threshold Identification Lights
- the chromaticity according to
 - ICAO Annex 14 Appendix 1 fig A1-1b
 - EASA CS ADR-DSN Chapter U fig. U1B
 - TP312 Appendix 5A, fig. A-1(b)
 - MOS139 Section 9.2 fig. 9.2-1

The following survey operations have been carried out without noticeable remarks:

- Execution of photometry and chromaticity measurements at an ISO17025 accredited Laboratory
 - Examination of test equipment
 - Checking of installation of units before testing
 - Photometric tests per applicable procedures and method
 - Colorimetric tests per applicable procedure & method

The test results are detailed in the photometric test report(s) ref.: **MTt8P05919-1**

- Results of intensity values inside the beam
- Isocandela curves
- Colorimetry

Taking into account the satisfactory results of actual tests and examinations, we confirm that the manufacturing and the test results for the above specified units are in conformity with applicable standards, specification and data sheets.

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