

DECLARATION OF CONFORMITY

**Subject: EREL/ERES,
Runway Edge High Intensity, Bidirectional Elevated Light
(Clear, Yellow & Red)
Runway End High Intensity, Runway Threshold High
Intensity, Unidirectional & Bidirectional Light (Red, Green),
Manufactured by ADB Safegate bvba, Zaventem**

The undersigned declares that following runway elevated light is found in conformity with:

- the catalogue sheet "A.03.120EV6 EREL-ERES"
- the ICAO Annex 14 – Volume I - §5.3.9 Runway Edge Lights, in particular figure A2-9 and figure A2-10 for light output for runways 45m & 60m wide
- the ICAO Annex 14 – Volume I - §5.3.10 Runway Threshold Lights, in particular figure A2.3
- the ICAO Annex 14 – Volume I - §5.3.11 Runway End Lights, in particular figure A2-8
- the EASA Certification Specifications Aerodromes Design, chapter CS ADR-DSN.M.675 Runway Edge Lights, in particular figures U-13 and U-14 for light output for runways 45M & 60m wide
- the EASA Certification Specifications Aerodromes Design, chapter CS ADR-DSN.M.680 Runway Threshold Lights, in particular figures U-7
- the EASA Certification Specifications Aerodromes Design, chapter CS ADR-DSN.M.685 Runway End Lights, in particular figures U-12
- the Aerodrome Standards and Recommended Practices (Canada), chapter 5.3.12 Runway Edge Lights, in particular 5.3.12.6, in particular fig. B-9 and fig. B-10 for light output for runways 45m & 60m wide
- the Aerodrome Standards and Recommended Practices (Canada), chapter 5.3.7 Runway Threshold Lights, in particular fig. B-3
- the Aerodrome Standards and Recommended Practices (Canada), chapter 5.3.8 Runway End Lights, in particular fig. B-8
- the Manual of Standards Part 139 – Aerodromes (Australia), chapter 9.10.7 Runway Edge Lights, in particular figure 9.11-3 and figure 9.11-4 (yellow & white)
- the Manual of Standards Part 139 – Aerodromes (Australia), chapter 9.10.14 Runway Threshold Lights, in particular figure 9.11-5 (green)
- the chromaticity according to ICAO Annex 14 Appendix 1 fig A1-1b
- the chromaticity according to 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 Laboratory:
 - Examination of test equipment
 - Checking of installation of units before testing
 - Photometric tests per applicable procedures & method
 - Colorimetric tests per applicable procedure & method
- Test results are detailed in the attached test records.

Photometric test reports: **See report**

LBE04121078 - 1.0 (RWY edge White/Yellow)

LBE04115072 - 1.0 (RWY edge Red)

LBE04117374 - 1.0 (RWY end Red)

LBE04121079 - 1.0 (RWY threshold Green)

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

Conclusion

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.

Issued in Zaventem – Belgium
On October 24th, 2017

by ADB Safegate bvba



Alain MORTIER
Director Quality Management