

Aerodrome lights

Issued to

ADB Safegate BV

Leuvensesteenweg 585, BE-1930 Zaventem, Belgium

Product name

RELIANCE 2 Approach Centreline light (White)

RELIANCE 2 Approach Siderow light (Red)

RELIANCE 2 Runway Threshold light (Green)

RELIANCE 2 Runway Threshold, Threshold End light (Green/Red)

RELIANCE 2 Runway Threshold Wingbar light (Green)

The product(s) described in this certificate have been type-examined by RISE with regard to the **chromaticity coordinates and luminous intensity** distribution and found to fulfil the requirements specified below. The type examination is presented in full in test report 105105- 1349768-1rev1 dated 2026-03-17.

Product description and specification

Products tested:

- 1) LSAC322S1xWNx1x1 - Approach Centreline light (White)
- 2) LSAS322S1xRNx1x1 - Approach Siderow light (Red)
- 3) LSRT322S1xFNxxx1 - Runway Threshold light (Green)
- 4) LSRT322S2xF(R/N)xxx1 - Runway Threshold, Threshold End light (Green/Red)
- 5) LSRW322S1xFNxxx1 - Runway Threshold Wingbar light (Green)

Note: x indicates variants without impact on photometry or chromaticity characteristics

Requirements:

(see page 2)

Certificate C901537 | issue 1 | 2026-03-19

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Standard	The chromaticity coordinates have been measured in accordance with the requirements in:	The luminous intensity has been measured in accordance with:
ICAO Annex 14 Aerodromes, Volume I, Ninth Edition, July 2022	Appendix 1, Section 2.1 Chromaticities for aeronautical ground lights (solid state-type light sources).	1) Appendix 2 Aeronautical ground light characteristics, Figure A2-1 2) Appendix 2 Aeronautical ground light characteristics, Figure A2-2 3-4) Appendix 2 Aeronautical ground light characteristics, Figures A2-3, A2-8 5) Appendix 2 Aeronautical ground light characteristics, Figure A2-4
European Aviation Safety Agency - Certification Specifications and Guidance Material for Aerodromes Design, Issue 7, May 2025	Chapter U.930(d), Figure U-1B, Colours for aeronautical ground lights (solid state lighting)	1) U.940 - Aeronautical ground light characteristics, Figure U-5 2) U.940 - Aeronautical ground light characteristics, Figure U-6 3-4) U.940 - Aeronautical ground light characteristics, Figures U-7, U-12 5) U.940 - Aeronautical ground light characteristics, Figure U-8
Australian Government, Civil Aviation Safety Authority Part 139 (Aerodromes) Manual of Standards 2025	Chapter 9.15, Chromaticity for solid state (LED) lights	1) Section 9.43 Isocandela diagrams for approach lighting, Figure 9.43 (1)-1 2) Section 9.43 Isocandela diagrams for approach lighting, Figure 9.43 (1)-2 3-4) Section 9.75 Isocandela diagrams of runway lighting, Figures 9.75 (5) and 9.75 (7) 5) Section 9.75 Isocandela diagrams of runway lighting, Figure 9.75 (6)
TP312 Aerodrome Standards and Recommended Practices Land Aerodromes, 5th Edition, September 2015 (Canada)	Appendix 5A, Section 1.3.1, Colours for Aeronautical Ground Lights	1) Appendix 5B Aeronautical Ground Light Characteristics, Figure B-1 2) Appendix 5B Aeronautical Ground Light Characteristics, Figure B-2 3-4) Appendix 5B Aeronautical Ground Light Characteristics, Figures B-3, B-8 5) Appendix 5B Aeronautical Ground Light Characteristics, Figure B-4
NATO STANAG 3316 AATMP-07 STD Edition A Version 1/2018	Section 8.3 Colours of Lights, Signs and Panels	1-2) Chapter 3 Approach Lighting 3-5) Chapter 4 Runway Lighting
Civil Aviation Authority CAP168 Licensing of Aerodromes, Edition 13, July 2025 (United Kingdom)	Appendix 6A Aeronautical ground lighting characteristics	1) Appendix 6A Aeronautical ground lighting characteristics, Figure 6A.1 2) Appendix 6A Aeronautical ground lighting characteristics, Figure 6A.2 3-4) Appendix 6A Aeronautical ground lighting characteristics, Figures 6A.3, 6A.8 5) Appendix 6A Aeronautical ground lighting characteristics, Figure 6A.4
AENA DIN/DSEYN/PPT/XXX where XXX is one of: 010, 011, 012, 013, 016, 017, 018, or 022 (2012) (Spain)	Appendix 1	1) Appendix 2, Figure A2-1 2) Appendix 2, Figure A2-2 (missing from document) 3-4) Appendix 2, Figures A2-3, A2-8 5) Appendix 2, Figure A2-4

Validity

This certificate is valid until not later than 2031-03-19. The validity of this certificate can be verified by RISE.

Miscellaneous

Other terms and conditions are set out in RISE certification rules for type-examination,



Martin Tillander