

Aerodrome lights

Issued to

ADB Safegate BV

Salyxlaan 9100, 1830 Machelen, 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)

Certificate

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 105105-1349768-1rev2 dated 2026-06-16.

Product description and specification

Products tested:

- a) LSAC322S1xWNx1x1 - Approach Centreline light (White)
- b) LSAS322S1xRNx1x1 - Approach Siderow light (Red)
- c) LSRT322S1xFNxxx1 - Runway Threshold light (Green)
- d) LSRT322S2xF(R/N)xxx1 - Runway Threshold, Threshold End light (Green/Red)
- e) LSRW322S1xFNxxx1 - Runway Threshold Wingbar light (Green)

Note 1: x indicates variants without impact on photometry or chromaticity characteristics.

Requirements:

(see page 2)

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).	Appendix 2 Aeronautical ground light characteristics, Figures: a) A2-1 b) A2-2 c-d) A2-3, A2-8 e) A2-4
European Aviation Safety Agency - Certification Specifications and Guidance Material for Aerodromes Design, Issue 7, 16 May 2025	Chapter U.930(d), Figure U-1B, Colours for aeronautical ground lights (solid state lighting)	U.940 - Aeronautical ground light characteristics, Figures: a) U-5 b) U-6 c-d) U-7, U12 e) U-8
Australian Government - Part 139 (Aerodromes) Manual of Standards 2019, Compilation no. 5 (12 June 2025)	Chapter 9.15, Chromaticity for solid state (LED) lights	a) Section 9.43 Isocandela diagrams for approach lighting, Figure 9.43 (1)-1 b) Section 9.43 Isocandela diagrams for approach lighting, Figure 9.43 (1)-2 c-d) Section 9.75 Isocandela diagrams of runway lighting, Figures 9.75 (5) and 9.75 (7) e) 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	Appendix 5B Aeronautical Ground Light Characteristics, Figures: a) B-1 b) B-2 c-d) B-3, B-8 e) B-4
NATO STANAG 3316 AATMP-07 STD Edition A Version 1/2018	Section 8.3 Colours of Lights, Signs and Panels	a-b) Chapter 3 Approach Lighting c-e) Chapter 4 Runway Lighting
UK Civil Aviation Authority CAP168 Licensing of Aerodromes, Edition 13, July 2025 (United Kingdom)	Appendix 6A.5 Aeronautical ground lighting characteristics	Appendix 6A Aeronautical ground lighting characteristics, Figures: a) 6A.1 b) 6A.2 c-d) 6A.3, 6A.8 e) 6A.4
AENA DIN/DSEYN/PPT/XXX where XXX is one of: 010, 011, 012, 013, 015, 016, 017, 018, or 022 (2012) (Spain)	a-b) 010-03/12, which refers to BOE 178 FOM/2086/2011, Appendix 1 c-e) 011-03/12, which refers to BOE 178 FOM/2086/2011, Appendix 1	010-03/12, which refers to BOE 178 FOM/2086/2011, Appendix 2, Figures: a) A2-1 b) A2-2 (missing from document) c-d) A2-3, A2-8 e) A2-4

Validity

This certificate is valid until not later than 2031-07-01. 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, SPCR 123.



Martin Tillander