

Aerodrome lights

Issued to

ADB Safegate BV

Leuvensesteenweg 585, BE-1930 ZAVENTEM, Belgium

Product name

RELIANCE Elevated Approach Centerline and Crossbars light (White)

RELIANCE Elevated Approach Side Row light (Red)

RELIANCE Elevated Threshold and Threshold Wingbar light (Green)

RELIANCE Elevated Runway End light (Red)

RELIANCE Elevated Stop Bar light (Red)

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 MTt9P03997-2rev3, dated 2023-07-04.

Product description and specification

Products tested:

- 1) RELIANCE-EAPS2WN00MI4000 Approach Centreline and Crossbars light (White)
- 2) RELIANCE-EAPS2RN00SI0000 Approach Side Row light (Red)
- 3) RELIANCE-ETHS2GN00MI0000 Threshold and Threshold Wing bar light (Green)
- 4) RELIANCE-EENS2RN00MI0000 Runway End light (Red)
- 5) RELIANCE-ETSS2RN00MI0000 Stop Bar light (Red)

Requirements:

(see page 2)

Certificate 900402 | issue 2 | 2023-07-05

RISE Research Institutes of Sweden AB | Certification

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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, July 2022	Appendix 1, Section 2.3, Chromaticities for lights having a solid state light source	Appendix 2: 1) Figure A2-1 2) Figure A2-2 3) Figure A2-3/A2-4 4) Figure A2-8, 5) Figures A2-12/A2-13/A2-14
European Aviation Safety Agency - Certification Specifications and Guidance Material for Aerodromes Design, Issue 6, March 2022	Section U.930(d), Colours for aeronautical ground lights	Chapter U, 1) Figure U-5 2) Figure U-6 3) Figures U-7/U-8 4) Figure U-12 5) Figures U-16/U-17/U-18
Australian Government Manual of Standards Part 139-Aerodromes, version 1.15, August 2020	Section 9.15, Chromaticity for solid state (LED) lights	1) Chapter 9.43, Figure 9.43 (1)-1 2) Chapter 9.43, Figure 9.43 (1)-2 3) Chapter 9.75, Figure 9.75 (5)/(6) 4) Chapter 9.75, Figure 9.75 (7) 5) Chapter 9.111, Figure 9.111 (1)(2)(3)
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 1) Figure B-1 2) Figure B-2 3) Figure B3/B4 4) Figure B-8 5) Figure B-26
NATO STANAG 3316 AATMP-07 STD Edition A Version 1/2018	Section 8.3 Colours of Lights, Signs and Panels.	1) No relevant paragraph, see reference for ICAO. 2) No relevant paragraph, see reference for ICAO. 3) Chapter 4, paragraph 4.2 4) Chapter 4, Paragraph 4.3 5) Chapter 5, Paragraph 5.2

Validity

This certificate is valid until not later than 2026-06-28. 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. The certificate was originally issued on 2021-06-28. This issue replaces all earlier issues.



Martin Tillander

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