

## Aerodrome lights

Issued to

**ADB Safegate BV**

Leuvensesteenweg 585, BE-1930 ZAVENTEM, Belgium

**Product name**

RELIANCE 2 Stop bar wide beam – LSSB\*

**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 105105-1150730-2, dated 2022-12-15. In that report the lights are designated RSSB. The similarity between RSSB and LSSB is verified in test report 105105-1187064-2 dated 2023-05-31.

**Product description and specification**

**Products tested:**

- LSSB30xxxNRNxx1
- LSSB30xxxCNRxx1

Note: x indicates variants without impact on photometric and colour point performance

**Requirements:**

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
European Aviation Safety Agency - Certification Specifications and Guidance Material for Aerodromes Design, Issue 6, March 2022	Section U.930(d), Figure U-1B, Colours for aeronautical ground lights (solid state lighting)	U.940 – Aeronautical ground light characteristics
Australian Government, Civil Aviation Safety Authority Part 139 (Aerodromes) Manual of Standards 2020	Chapter 9.15, Chromaticity for solid state (LED) lights	Section 9.111 Isocandela diagrams for taxiway lights
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
NATO STANAG 3316 AATMP-07 STD Edition A Version 1/2018	Section 8.3 Colours of Lights, Signs and Panels.	Chapter 5 Taxiway Lighting
Civil Aviation Authority CAP168 Licensing of Aerodromes, Edition 12, January 2022 (United Kingdom)	Appendix 6A Aeronautical ground lighting characteristics	Appendix 6A Aeronautical ground lighting characteristics
AENA DIN/DSEYN/PPT/XXX where XXX is one of: 010, 011, 012, 013, 016, 018, or 022 (2012) (Spain)	018-03/12 TECHNICAL PRESCRIPTIONS (P.P.T.) FOR TAXIWAY CENTERLINE AND STOP BAR INSET LIGHTS	018-03/12 TECHNICAL PRESCRIPTIONS (P.P.T.) FOR TAXIWAY CENTERLINE AND STOP BAR INSET LIGHTS

**Validity**

This certificate is valid until not later than 2028-06-13

**Miscellaneous**

Other terms and conditions are set out in RISE certification rules for type-examination, SPCR 123.



Martin Tillander

Certificate 900440 | issue 1 | 2023-06-13

**RISE Research Institutes of Sweden AB | Certification**

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

1187604-2

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE

Page 1 (1)