

Aerodrome lights

Issued to

ADB Safegate BV

Leuvensesteenweg 585, BE-1930 ZAVENTEM, Belgium

Product name

RELIANCE 2 Taxiway Centerline narrow beam – LSTC
 RELIANCE 2 Taxiway Centerline curved beam – LSTK
 RELIANCE 2 Enhanced Taxiway Centerline for Rapid Exit wide beam – LSTR
 RELIANCE 2 Taxiway Centerline wide beam – LSTW

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 reports 105105-1150730-1, dated 2022-12-15 and 105105-1169793-1, dated 2023-02-16. In those reports the lights are designated RSTC, RSTK, RSTR, RSTW. The similarity between Rxxx and Lxxx is verified in test report 105105-1187064-2 dated 2023-05-31.

Product description and specification

Products tested:

- LSTC30xxxNFYxxx1
- LSTK30xxxCFYxxx1
- LSTR30xxxNFYxxx1
- LSTW30xxxNFYxxx1
- LSTx30xxxNGGxxx1
- LSTx30xxxNBBxxx1 (Chromaticity only*)

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

Note 2: * no standard requirements for Blue LED photometry

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

Certificate 900441 | 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

1187064-2

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 (2)

Validity

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

A handwritten signature in blue ink, appearing to read 'Martin Tillander', with a long horizontal stroke extending to the right.

Martin Tillander