

## Aerodrome lights

Issued to

**ADB Safegate BV**

Leuvensesteenweg 585, BE-1930 ZAVENTEM, Belgium

**Product name**

AXON Elevated Stopway light (Red)

AXON Elevated Runway Edge (Red/White/Yellow)

**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 105105-1288145-5 dated 2024-12-19.

**Product description and specification**

**Products tested:**

- 1) AXON ARE1x(G/P)x(W/Y/R)xxxxxxx1 Elevated Runway Edge (45m & 60m) with or without circling guidance
- 2) AXON ASW3(G/P)xRx0xxxxxxx1 Elevated Stopway (45m & 60m)

Name/Intended Use	Model/Type	Light Colour	Rated Input Power (VA) (*)	Max. height with frangible coupling (mm)
Runway Edge light	ARE1x(G/P)xWWx(S/M/R)xB(B/C)xxx1	White/White & Omni-directional White	49	295.40 mm
Runway Edge light	ARE1x(G/P)xWYx(S/M/R)xB(B/C)xxx1	White/Yellow & Omni-directional White/Yellow	46	295.40 mm
Runway Edge light	ARE1x(G/P)xWRx(S/M/R)xB(B/C)xxx1	White/Red & Omni-directional White/Red	45	295.40 mm
Runway Edge light	ARE1x(G/P)xYRx(S/M/R)xB(B/C)xxx1	Yellow/Red & Omni-directional Yellow/Red	42	295.40 mm

(\*) VA values are considered as worst case with Arctic Kit, Circling Guidance and Infra Red.

**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 A2-9, A2-10 <b>Circling Guidance</b> ICAO-I, Appendix 2 Aeronautical ground light characteristics, §5.3.9.8-9
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, Figures U-13, U-14
Australian Government, Civil Aviation Safety Authority Part 139 (Aerodromes) Manual of Standards 2024	Section 9.15, Chromaticity for solid state (LED) lights	Section 9.75 Isocandela diagrams of runway lighting, Figures 9.75 (3) and (4)
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 B-9, B-10
NATO STANAG 3316 AATMP-07 STD Edition A Version 1/2018	Section 8.3 Colours of Lights, Signs and Panels.	Chapter 4 Runway Lighting
Civil Aviation Authority CAP168 Licensing of Aerodromes, Edition 12, January 2022 (United Kingdom)	Appendix 6A.5 Aeronautical ground lighting characteristics	Appendix 6A Aeronautical ground lighting characteristics, Figures 6A.9, 6.A.10
AENA DIN/DSEYN/PPT/016 (012) (Spain)	DIN/DSEYN/PPT/016-06/12, which refers to BOE 178 FOM/2086/2011, Appendix 1	DIN/DSEYN/PPT/016-06/12, which refers to BOE 178 FOM/2086/2011, Appendix 2, Figures A2-10

### Validity

This certificate is valid until not later than 2029-12-19. 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