

# Certificate

about

Conformity of the product

## LED PAPI (White / Red / IR)

with the mentioned specifications of  
International Civil Aviation Organization (ICAO),  
European Aviation Safety Agency (EASA) ;  
U.S. Federal Aviation Administration (FAA)

<b>Manufacturer:</b>	Solutions4GA Sp. z o. o. Gen. Sylwestra Kaliskiego 57 01-476 Warsaw, Poland
<b>Model description:</b>	LED PAPI S4GA 1 x 80W
<b>Version / Variant:</b>	L-880, Style A, Class II
<b>Brand name:</b>	S4GA
<b>Light source(s):</b>	15 white, 15 red, 16 IR
<b>Test standard/specification:</b>	Test according to ICAO Annex 14, Volume 1, Eighth edition, 2018 „Aerodromes Design and Operations“; EASA Annex to ED Decision 2021/004/R 5th edition 2015-09-15 "Aerodrome Standards and recommended Practices - Land Aerodromes"; FAA "Precision Approach Path Indicator (PAPI) AC No. 150/5345-28H; FAA "Infrared Specifications for Aviation Obstruction Light Compatibility with Night Vision Goggles (NVGs)" Engineering Brief No. 98, December 18, 2017* Photometry – ICAO Figure A2-23; EASA Figure U-26; FAA Figure 3-1 Chromaticity – ICAO Figure A1-1b; EASA Figure U-1B; FAA §3.2.1, §4.9.1; ICAO §5.3.5.30; EASA CS ADR-DSN.M.645.c.2.i; FAA § 3.2.1; FAA Engineering Brief No. 98, § 8.3*
<b>Test laboratory:</b>	TÜV Rheinland Lichttechnik GmbH Rhinstrasse 46 12681 Berlin
<b>Date of Test(s):</b>	14 October 2021
<b>Test report number:</b>	53510667-1

This is to certify that the mentioned product is in accordance with the mentioned test standard / specification at the time the tests were carried out in the laboratory.

Berlin, 27 October 2021



Dipl.-Ing. Sandy Buschmann  
Laboratory engineer



B. Eng. Max Buchner  
Laboratory engineer

TÜV Rheinland Lichttechnik GmbH  
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Note: This certificate is part of the full test report and should be read in conjunction with it. This certification is valid until the fourth quarter 2023  
The test laboratory having carried out testing services which are object of the certificate in conjunction with technical report is accredited by the DAkkS Deutsche Akkreditierungsstelle GmbH for performing these testing services according to DIN EN ISO/IEC 17025. The accreditation is valid for the testing procedures listed in the certificate. Test methods marked with \* are outside the scope of accreditation D-PL-19088-01-00.  
The certificate in conjunction with technical report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.