



TEMPORARY AIRPORT LIGHTING

FOR AIRPORT CONSTRUCTION
& REHABILITATION WORKS



TEMPORARY AIRPORT LIGHTING

Often, temporary lighting is required during airport construction works where main AGL system is being repaired or temporarily switched off. To redirect air traffic to temporary runway or taxiway, airport is using S4GA portable airfield lights.

Temporary airfield lighting is also used by military, rescue air services during humanitarian missions in remote places. When human life is at stake every minute counts. Immediate illumination of aircraft landing zone is possible only with portable airfield lighting.



CERTIFIED



APPLICABLE FOR DIFFERENT SURFACES



CONVERTIBLE TO SOLAR AIRFIELD LIGHT



APPLICATIONS



AIRPORT CONSTRUCTION WORKS



EMERGENCY RUNWAY LIGHTING



TEMPORARY AIRPORT LIGHTING

— PORTABLE AIRFIELD LIGHTS



Optics	LED type, 11 cd light output (maximum) Omnidirectional Color: blue NVG-compatible (optional) LED lifespan: 100.000 hrs
Charging Of Lights	105 hours (on minimum intensity)
Operating Modes	Steady / Flashing / Dusk till dawn Visible / Infrared (optional) / Visible + Infrared (optional)
Light Intensity	3-step: 10%, 30%, 100%
Battery	VRLA type, 6V, 4,5Ah User-replaceable Air-transportable
Charging	OCT-102 Charger Charging time: 8 hours Optional: 5W solar panel
Casing	Aluminum body Outer UV-resistant glass dome (optional: polycarbonate) Pressure stabilizing valve Battery level indicator Casing lifespan: 15 years
Environmental Conditions	Temperature range: -20 to 50 °C (-4 to 122 °F) Optional: -40 to 80 °C (-40 to 176 °F) Ingress protection: IP-65 Wind Speed: 160 kph
Dimensions (Height x Diameter)	210 x 125 mm
Weight	2 kg
Compliance	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.18.8 & Appendix 1, Figure A1-1b

SP-102 PORTABLE TAXIWAY LIGHT

— PORTABLE AIRFIELD LIGHTS



Optics	LED type, 220 (red) / 370 (green) cd light output Bidirectional, unidirectional Color: red/green, red, green NVG-compatible (optional) LED lifespan: 100.000 hrs
Charging Of Lights	25 hours (on minimum intensity)
Operating Modes	Steady / Flashing / Dusk till dawn Visible / Infrared (optional) / Visible + Infrared (optional)
Light Intensity	3-step: 10%, 30%, 100%
Battery	VRLA type, 6V, 4,5Ah User-replaceable Air-transportable
Charging	OCT-102 Charger Charging time: 8 hours Optional: 5W solar panel
Casing	Aluminum body Outer UV-resistant glass dome (optional: polycarbonate) Pressure stabilizing valve Battery level indicator Casing lifespan: 15 years
Environmental Conditions	Temperature range: -20 to 50 °C (-4 to 122 °F) Optional: -40 to 80 °C (-40 to 176 °F) Ingress protection: IP-65 Wind Speed: 160 kph
Dimensions (Height x Diameter)	210 x 125 mm
Weight	2 kg
Compliance	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.10.9/5.3.11.4 & Appendix 1, Figure A1-1b

SP-102 PORTABLE RUNWAY TRESHOLD END LIGHT



Optics	LED type, 32 cd light output (maximum) Omnidirectional Color: red NVG-compatible (optional) LED lifespan: 100.000 hrs
Charging Of Lights	50 hours (on minimum intensity)
Operating Modes	Steady / Flashing / Dusk till dawn Visible / Infrared (optional) / Visible + Infrared (optional)
Light Intensity	3-step: 10%, 30%, 100%
Battery	VRLA type, 6V, 4,5Ah User-replaceable Air-transportable
Charging	OCT-102 Charger Charging time: 8 hours Optional: 5W solar panel
Casing	Aluminum body Outer UV-resistant glass dome (optional: polycarbonate) Pressure stabilizing valve Battery level indicator Casing lifespan: 15 years
Environmental Conditions	Temperature range: -20 to 50 °C (-4 to 122 °F) Optional: -40 to 80 °C (-40 to 176 °F) Ingress protection: IP-65 Wind Speed: 160 kph
Dimensions (Height x Diameter)	210 x 125 mm
Weight	2 kg
Compliance	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, Table 6-2 (type A, low intensity) & Appendix 1, Figure A1-1b

SP-102 PORTABLE OBSTRUCTION LIGHT



Optics	LED type, 110 cd light output (maximum) Omnidirectional Color: white (clear) NVG-compatible (optional) LED lifespan: 100.000 hrs
Charging Of Lights	25 hours (on minimum intensity)
Operating Modes	Steady / Flashing / Dusk till dawn Visible / Infrared (optional) / Visible + Infrared (optional)
Light Intensity	3-step: 10%, 30%, 100%
Battery	VRLA type, 6V, 4,5Ah User-replaceable Air-transportable
Charging	OCT-102 Charger Charging time: 8 hours Optional: 5W solar panel
Casing	Aluminum body Outer UV-resistant glass dome (optional: polycarbonate) Pressure stabilizing valve Battery level indicator Casing lifespan: 15 years
Environmental Conditions	Temperature range: -20 to 50 °C (-4 to 122 °F) Optional: -40 to 80 °C (-40 to 176 °F) Ingress protection: IP-65 Wind Speed: 160 kph
Dimensions (Height x Diameter)	210 x 125 mm
Weight	2 kg
Compliance	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.9.9 & Appendix 1, Figure A1-1b

SP-102 PORTABLE RUNWAY EDGE LIGHT

ACCESSORIES

MOUNTING OPTIONS



STEEL MOUNTING STAKE FOR GRASS AND GROUND SURFACE



RUBBER PAD FOR TEMPORARY MOUNTING



FRANGIBLE MOUNTING FOR ASPHALT SURFACE



OCT-102 CHARGER

Charges up to 6 x portable airfield lights
Charging time: 8 hours
Power input: 110 / 230V



SOLAR UPGRADE

For semi-permanent applications, SP-102 portable light can be converted to solar-powered airfield light by adding 5W solar panel

PROTECTIVE CASES

CASE FOR SP-102 LIGHTS

- 6 x SP-102 airfield lights
- Shock-absorbent
- Rigid design
- Dimensions: 56.4 x 46.5 x 48 cm
- Weight (empty): 7.8 kg



CASE FOR ACCESSORIES

- 1 x OCT-102 Charger
- 6 x mounting stakes
- Dimensions: 56.4 x 46.5 x 31 cm
- Weight (empty): 4.35 kg



PROTECTIVE FOAM



WHEELS FOR EASY TRANSPORTATION



TELESCOPIC CARRYING HANDLE



LOCKABLE SYSTEM

EXAMPLES OF CERTIFICATES

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Test Verification of Conformity

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address	Solutions4GA sp. z o.o. Sylwestra Kaliskiego 57 01-476 Warsaw Poland
Manufacturing site Name & Address	Same as applicant above
Product(s) Tested	Runway Edge Lighting unit
Rating and principal characteristics	Input for power supply: 100-240VAC, 50/60Hz, 0.31A Output: 12Vdc, 1.0A
Model(s)	SP-102 Runway Edge Lighting unit
Brand name	S4GA
Relevant Standard(s)/Specification(s)	Annex 14 to the Convention on International Civil Aviation, Volume I, Seventh Edition, July 2016 Appendix 1, Figure A1-1b) and d.5.3.9.9
Verification Issuing Office Name & Address	Intertek Testing Services Hangzhou 16 No. 1 Ave., Xiaoha Economic Development District, Hangzhou 310018, China
Verification Number	180400427H2H-V15
Report Number(s)	180400427H2H-007

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

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Signature: Patrick Chen
Name: Patrick Chen
Position: Manager
Date: 03 September, 2018

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Test Verification of Conformity

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address	Solutions4GA sp. z o.o. Sylwestra Kaliskiego 57 01-476 Warsaw Poland
Manufacturing site Name & Address	Same as applicant above
Product(s) Tested	Obstacle Lighting unit
Rating and principal characteristics	Input for power supply: 100-240VAC, 50/60Hz, 0.31A Output: 12Vdc, 1.0A
Model(s)	SP-102 Obstacle Lighting unit
Brand name	S4GA
Relevant Standard(s)/Specification(s)	Annex 14 to the Convention on International Civil Aviation, Volume I, Seventh Edition, July 2016 Appendix 1, Figure A1-1b) and Table 6-2, Type A
Verification Issuing Office Name & Address	Intertek Testing Services Hangzhou 16 No. 1 Ave., Xiaoha Economic Development District, Hangzhou 310018, China
Verification Number	180400427H2H-V16
Report Number(s)	180400427H2H-008R1

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Instytut Techniczny i Badawczy (ITB) **emag** **LABORATORY OF CABLE TESTING AND ENVIRONMENTAL TESTS**

Centrum Badań i Certyfikacji
Zespół Laboratoriów Badawczych

TEST REPORT No. 4770-ZLK/2017

Degree of protection provided by enclosures. IP65 tests of lamp enclosure SP-102.

Report for: Solutions4GA Sp. z o.o.
ul. Sylwestra Kaliskiego 57
01-476 Warszawa

Order: 078/09/2017 of September 7, 2017

Prepared by: Cezary Kaczmarski
Reviewed by: Robert Ulfig

Authorized by: Cezary Kaczmarski

Katowice, 15.09.2017

Report contains pages: 7
Copy No: 1

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TEST REPORT

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THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant	AVIATRADE SDN BHD (ROC : 260500-H) 22A, Jalan Kristal K7/K, Sekayen 7, Shah Alam 40000 Selangor Darul Ehsan (Attn.: En Suhaili Kamari)
Manufacturer	Solutions4GA SP.Z.O.O Sylwestra Kaliskiego 57, 01-476 Warsaw, Poland
Product	SOLAR OBSTACLE LIGHT LOW INTENSITY TYPE A
Reference Standard	ASD 404: Airport Standards Directive 404
Method of test	Clause 4: Performance Requirements Clause 5: Equipment Qualification Requirements
Description of sample / Description of Test Specimen	Obstacle Light (Powered by SOLAR) - Low Intensity Type A Light Type Code : DCA/L/A [Fixed obstacle] Brand : S4GA Portable LED Lighting Model : SP-102-OBS
Date Received of Complete Application	04 April 2018
Job No.	J2018190216
Description of Test Results / Overall Test Result	The submitted test samples as describe in the test report complied with the requirements of the above standard
Result	Pass
Issued date	29 June 2018

Approved Signatories:

(NOOR AZLIE BIN AHMAD) Testing Executive
(MOHD FAIZAR BIN MUSTAFA) Head Mechanical & Automotive Section Testing Services Department



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