



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



SP-102 PORTABLE TAXIWAY LIGHT

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

PORTABLE AIRFIELD LIGHTS



SP-102 PORTABLE RUNWAY TRESHOLD END LIGHT

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 OBSTRUCTION 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 RUNWAY EDGE 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

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

intertek
Total Quality Assured.

Intertek Testing Services Hangzhou
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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
Rated 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 1, Seventh Edition, July 2016 Appendix 1, Figure A1-1b; and c.5.3.9.9
Verification Issuing Office Name & Address	Intertek Testing Services Hangzhou 16 No. 1 Ave., Xiaohu Economic Development District, Hangzhou 310018, China
Verification Number	180400427H2H-V16
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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Patrick Chen
Signature
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
Rated 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 1, 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., Xiaohu Economic Development District, Hangzhou 310018, China
Verification Number	180400427H2H-V16
Report Number(s)	180400427H2H-008R1

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LABORATORY OF CABLE TESTING AND ENVIRONMENTAL TESTS

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 Kaczmarek

Reviewed by: Robert Uffig

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Katowice, 15.09.2017

Report contains pages: 7

Copy No: 1

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TEST REPORT

REPORT NO : 2018MA0472 PAGE : 1 OF 11

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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,
Seksyen 7, Shah Alam
40000 Selangor Darul Ehsan
(Attn : En Suhaili Karna)

Manufacturer: Solution4GA SP Z.O.O
Sylwestra Kaliskiego 57,
01-476 Warsaw,
Poland

Product: SOLAR OBSTACLE LIGHT LOW INTENSITY TYPE A

Reference Standard / Method of test: ASD 404: Airport Standards Directive 404
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.: J20181390216

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

Issued date: 29 June 2018

Approved Signatories:

(NOOR AZLIE BIN AHMAD)
Testing Executive

(MOHD FAIZAR BIN MUSTAFA)
Head
Mechanical & Automotive Section
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