



# PORTABLE AIRFIELD LIGHTING TRAILER

FOR MILITARY AND CIVIL



TEMPORARY AIRFIELD LIGHTING

REMOTE MILITARY AIRBASES

HUMANITARIAN MISSIONS

# PORTABLE AIRFIELD LIGHTING TRAILER



**WORLD'S SAFEST  
RUNWAY LIGHTING**



**5-LEVEL PROTECTION  
AGAINST SYSTEM FAILURE**



**CERTIFIED**

# APPLICATIONS



**TEMPORARY  
AIRFIELD  
LIGHTING**



**REMOTE  
MILITARY  
AIRBASE**



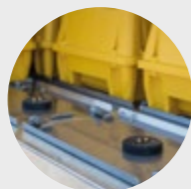
**HUMANITARIAN  
MISSIONS**

# PORTABLE AIRFIELD LIGHTING TRAILER FOR MILITARY AND CIVIL

S4GA PORTABLE AIRFIELD LIGHTING TRAILER IS HEAVY DUTY TRAILER MADE OF NON-CORROSIVE STEEL AND ALLUMINIUM RESISTANT TO THE MOST RIGOROUS WEATHER CONDITIONS.

## CONTACTLESS CHARGING

- ✓ Only 10 min required to plug-in 132 lights
- ✓ Charging time: 8 hours
- ✓ Charging starts instantly



## CONTROL & MONITORING UNIT LOW BATTERY SMS AUTO REPORTING

System sends User notifications about light failures:

- ✓ Low battery level
- ✓ The light is out of the runway



UP TO 132X PORTABLE LIGHTS



PORTABLE FULL PAPI



POWER BANK WITH DIESEL GENERATOR

REMOTE ACTIVATION OF THE LIGHTS



CONTACTLESS CHARGING



AUTOMATIC LIGHT FAILURE REPORTING



## TRAILER VIEW

## TRAILER PRODUCTS



SP-401 LED RUNWAY EDGE LIGHT



SP-401 LED RUNWAY THRESHOLD END LIGHT



SP-401 LED TAXIWAY LIGHT



UR-101 HANDHELD CONTROLLER



# SP-401 PORTABLE AIRFIELD LIGHT

|  |  |  |
|--|--|--|
|  |  | <b>Compliance:</b><br>ICAO Annex 14 Vol. I (7th. Edition, July 2016) |
|--|--|--|



## FEATURES

- 180 hrs of autonomy
- 1.200 cd light output
- 4-way remote activation

## APPLICATION

SP-401 is a versatile airfield light designed to operate in the most rigorous weather conditions.

### CONVERTIBLE TO SOLAR

For runways located in regions with high photovoltaic potential, SP-401 Airfield Light can be easily converted from battery powered portable light to solar powered semi-permanent airfield light.



### 4 WAY ACTIVATION

- UR-101 Handheld Controller
- UR-201 Control & Monitoring Unit
- VHF – Air-band radio
- GSM – Cell Phone



## TRAILER



## UR-101 HANDHELD CONTROLLER



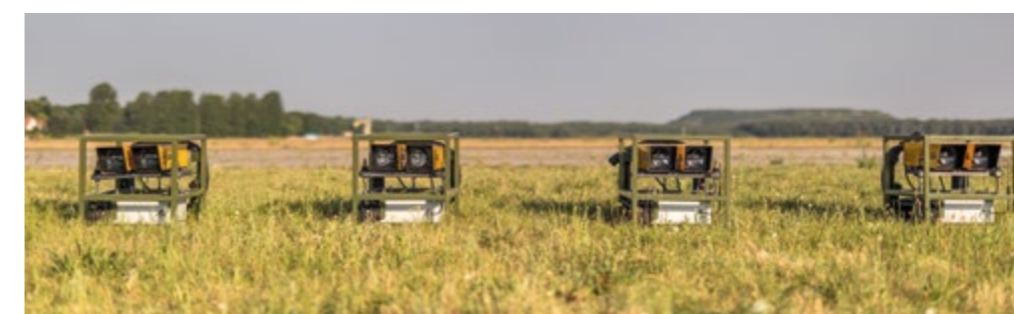
|                                   |  |   |
|-----------------------------------|--|---|
| <b>Capacity</b>                   | <b>Set 1:</b><br>132 X airfield lights                                     | <b>Set 2:</b><br>86 X airfield lights<br>1 X portable full PAPI |
| <b>Charging Of Lights</b>         | Contactless type<br>Via power cable (optionally)                           |   |
| <b>Power Source</b>               | 110 – 230VAC<br>Diesel generator (optionally)<br>Solar engine (optionally) |   |
| <b>Material</b>                   | Walls: aluminium<br>Chassis: stainless steel                               |   |
| <b>Color</b>                      | Aviation yellow, olive green   |   |
| <b>Suitable For Air Transport</b> | Yes  |   |

|                                |   |
|--------------------------------|---|
| <b>Operating Range</b>         | Up to 1.500 m   |
| <b>Frequency</b>               | Automatically modulated and encrypted<br>Radio transceiver: 868 mhz<br>Operation frequency: provided by S4GA  |
| <b>Autonomy</b>                | 48 Hrs  |
| <b>Battery</b>                 | Lithium-ion battery, 7V / 4Ah   |
| <b>Lighting System Control</b> | Lights intensity setup: 10, 30, 100%<br>Operating modes setup: steady, flashing<br>Special modes setup: NVG, dusk till down<br>Grouping of lights: up to 5 groups |
| <b>Casing</b>                  | Non-corrosive powder coated steel<br>Color: black   |
| <b>Compliance</b>              | 2014/35/UE 2014/30/UE 2011/65/UE 1999/5/EC  |



|                      | Runway Edge Light   | Runway Threshold End Light                            | Taxiway Light   |
|----------------------|---|---|---|
| <b>Optics</b>        | LED type<br>LED lifespan 100.000 Hrs<br>Combined type of bidirectional and omnidirectional                                    | LED type<br>LED lifespan 100.000 Hrs<br>Bidirectional | LED type<br>LED lifespan 100.000 Hrs<br>Omnidirectional |
| <b>Light Output</b>  | 1.200 cd  | 320 (red) / 450 (green) cd                            | 11 cd   |
| <b>Optics Color</b>  | White / White<br>White / Yellow<br>Yellow / Red<br>White / Red  | Red / Green   | Blue  |
| <b>Autonomy</b>      | 180 Hours   | 280 Hours   | 600 Hours   |
| <b>Battery</b>       | 2 X built-in batteries, VRLA deep-cycle type, 9Ah/12V each battery user-replaceable   |   |   |
| <b>Power Supply</b>  | Contactless charging in a trailer, charging time – 8 hours,<br>2 X separately installed solar panels, total power output: 10W |   |   |
| <b>Casing / Dome</b> | UV-stabilized Lexan polycarbonate, Glass dome, Color: aviation yellow   |   |   |
| <b>Dimensions</b>    | 300 x 245 x 185 mm  |   |   |
| <b>Weight</b>        | 7 Kg  |   |   |

## TRAILER PHOTOS





---

Solutions4ga sp. z o. o.  
01-476 Sylwestra Kaliskiego 57  
Warsaw, Poland

**WORLD'S SAFEST RUNWAY LIGHTING**

[www.solutions4ga.com](http://www.solutions4ga.com)  
+48 22 307 10 01 | [office@solutions4ga.com](mailto:office@solutions4ga.com)