



SP-401 PORTABLE RUNWAY EDGE LIGHT

MEDIUM INTENSITY



		Compliance: ICAO Annex 14 Vol. I (7th. Edition, July 2016)
---	---	--

FEATURES

- 180 hrs of autonomy
- Remote activation
- Convertible to solar airfield light
- 1.200 cd light output

APPLICATION

Mobile airfield light designed to quickly illuminate temporary airfield in accordance with ICAO:

- Temporary runways
- Remote airfields
- Backup airport lighting
- Emergency landing airstrips

TECHNICAL SPECIFICATIONS

Optics		Safety & Reliability					
<ul style="list-style-type: none"> • 1.200 cd light output (tested by accredited laboratory) • Combined type, omnidirectional and bidirectional • LED lifespan: 100.000 hrs • Maximum power consumption: 9W • NVG-compatible (optional) • Color: white / white, white / yellow, white / red, red / yellow • User-replaceable 		<ul style="list-style-type: none"> • Five levels of protection against system failure • Secondary power supply: backup battery • Failure auto reporting via SMS (requires UR-201 Unit) • Emergency ON/OFF button 					
Battery		Environmental Conditions					
<ul style="list-style-type: none"> • 2 x built-in batteries • Autonomy: 180 hrs (minimum intensity) • Total capacity: 216W (2x9Ah/12V) • Deep-cycle VRLA, 12V/9Ah (available worldwide) • Lifespan: 1.200 cycles (designed for 4-5 years) • User-replaceable, air transportable 		<ul style="list-style-type: none"> • Temperature range: -20 to 50 °C (-4 to 122 °F) Optional: -40 to 80 °C (-40 to 176 °F) • Ingress protection: IP-67 (tested by accredited laboratory) • Jet blast resistance: 240 kph (tested by accredited laboratory) 					
Charging		Compliance					
<ul style="list-style-type: none"> • Via OCT-401 Charger (charging time: 8 hrs) • Contactless charging in a Trailer (charging time: 8 hrs) • Optional: solar power supply 		<table border="1"> <tr> <td data-bbox="805 1276 1098 1359">Photometric & Chromaticity</td> <td data-bbox="1098 1276 1505 1359">ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.9.8 & clause 5.3.9.9, Appendix 1, Figure A1-1b</td> </tr> </table>		Photometric & Chromaticity	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.9.8 & clause 5.3.9.9, Appendix 1, Figure A1-1b		
Photometric & Chromaticity	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.9.8 & clause 5.3.9.9, Appendix 1, Figure A1-1b						
Remote Activation & Control		<table border="1"> <tr> <td data-bbox="805 1359 1098 1480">Jet Blast Resistance</td> <td data-bbox="1098 1359 1505 1480">ICAO, Annex 14th, Volume I, 8th Edition dated July 2018. Doc 9157, Part 6, clause 3.2.2 & clause 4.9.1. FAA AC 150/5345-50B dated September 2007, clause 3.2.2</td> </tr> </table>		Jet Blast Resistance	ICAO, Annex 14th, Volume I, 8th Edition dated July 2018. Doc 9157, Part 6, clause 3.2.2 & clause 4.9.1. FAA AC 150/5345-50B dated September 2007, clause 3.2.2		
Jet Blast Resistance	ICAO, Annex 14th, Volume I, 8th Edition dated July 2018. Doc 9157, Part 6, clause 3.2.2 & clause 4.9.1. FAA AC 150/5345-50B dated September 2007, clause 3.2.2						
<ul style="list-style-type: none"> • Wireless mesh type network • Operating frequency: 868 MHz (optional 2.4GHz or 433 Mhz) • Operating range: up to 1.5 km, relayed (each light is a repeater) <p>Operating Modes:</p> <ul style="list-style-type: none"> • Steady / Flashing / Dusk till dawn • Visible / Infrared (optional) / Visible + Infrared (optional) 		<table border="1"> <tr> <td data-bbox="805 1480 1098 1626">Frangibility</td> <td data-bbox="1098 1480 1505 1626">ICAO Doc 9157 AN901 Aerodrome Design Manual Part 6, 1st Edition dated 2006, clause 4.9 ICAO, Annex 14th, Volume I, 8th Edition dated July 2018, clause 5.3.1.3 FAA AC 150-5345-46E clause 3.4.2.1 FAA AC 150/5220-23, clause 3.2</td> </tr> </table>		Frangibility	ICAO Doc 9157 AN901 Aerodrome Design Manual Part 6, 1st Edition dated 2006, clause 4.9 ICAO, Annex 14th, Volume I, 8th Edition dated July 2018, clause 5.3.1.3 FAA AC 150-5345-46E clause 3.4.2.1 FAA AC 150/5220-23, clause 3.2		
Frangibility	ICAO Doc 9157 AN901 Aerodrome Design Manual Part 6, 1st Edition dated 2006, clause 4.9 ICAO, Annex 14th, Volume I, 8th Edition dated July 2018, clause 5.3.1.3 FAA AC 150-5345-46E clause 3.4.2.1 FAA AC 150/5220-23, clause 3.2						
<p>Remote activation:</p> <ul style="list-style-type: none"> • Via UR-101 Handheld Controller • Via UR-201 Control & Monitoring Unit GSM activation (Cell Phone) VHF activation (Air-band Radio) • Via ALCMS Computer Interface (requires UR-201) 		<table border="1"> <tr> <td data-bbox="805 1626 1098 1756">Secondary Power Supply</td> <td data-bbox="1098 1626 1505 1756">ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 8.1.8-8.1.9 & clause 8.1.11</td> </tr> </table>		Secondary Power Supply	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 8.1.8-8.1.9 & clause 8.1.11		
Secondary Power Supply	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 8.1.8-8.1.9 & clause 8.1.11						
Casing & Components		<table border="1"> <tr> <td data-bbox="805 1756 1098 1850">CE Declaration of Conformity</td> <td data-bbox="1098 1756 1505 1850">2014/53/EU RED Directive, clauses 3.1a, 3.1b, 3.2 2011/65/EU ROHS Directive, clause 4.1</td> </tr> </table>		CE Declaration of Conformity	2014/53/EU RED Directive, clauses 3.1a, 3.1b, 3.2 2011/65/EU ROHS Directive, clause 4.1		
CE Declaration of Conformity	2014/53/EU RED Directive, clauses 3.1a, 3.1b, 3.2 2011/65/EU ROHS Directive, clause 4.1						
<ul style="list-style-type: none"> • Materials Dome: glass, UV-resistant Casing: Lexan polycarbonate, UV-stabilized Carrying handle: stainless steel • Detachable antenna • Pressure stabilizing valve • Battery level indicator • Transport circuit breaker • Casing lifespan: 15 years • Optional: frangible mounting (tested by accredited laboratory) • Dimensions (LxWxH): 244 mm x 185 mm x 297 mm • Weight: 7 kg 		Accredited Laboratory Testing					
<table border="1"> <tr> <td data-bbox="805 1881 1098 1912">Photometric & Chromaticity</td> <td data-bbox="1098 1881 1505 1912">Intertek Laboratory</td> </tr> </table>		Photometric & Chromaticity	Intertek Laboratory	<table border="1"> <tr> <td data-bbox="805 1912 1098 1944">Jet Blast Resistance</td> <td data-bbox="1098 1912 1505 1944">Warsaw Institute of Aviation The Laboratory of Aerodynamics</td> </tr> </table>		Jet Blast Resistance	Warsaw Institute of Aviation The Laboratory of Aerodynamics
Photometric & Chromaticity	Intertek Laboratory						
Jet Blast Resistance	Warsaw Institute of Aviation The Laboratory of Aerodynamics						
<table border="1"> <tr> <td data-bbox="805 1944 1098 1975">Frangibility</td> <td data-bbox="1098 1944 1505 1975">Laborex Research Laboratory</td> </tr> </table>		Frangibility	Laborex Research Laboratory	<table border="1"> <tr> <td data-bbox="805 1975 1098 2007">Ingress Protection</td> <td data-bbox="1098 1975 1505 2007">EMAG Institute of Innovative Technologies</td> </tr> </table>		Ingress Protection	EMAG Institute of Innovative Technologies
Frangibility	Laborex Research Laboratory						
Ingress Protection	EMAG Institute of Innovative Technologies						
<table border="1"> <tr> <td data-bbox="805 2007 1098 2038">Electromagnetic Compatibility</td> <td data-bbox="1098 2007 1505 2038">Military Institute of Armament Technology</td> </tr> </table>		Electromagnetic Compatibility	Military Institute of Armament Technology				
Electromagnetic Compatibility	Military Institute of Armament Technology						

