



PLAXONIC TECHNOLOGIES

RAPID DEPLOYABLE AREA LIGHTING SOLUTIONS



> sirocco range
by Airstar







Our Sirocco and Flex are available from S size to L size.

The Most Effective Rapid Deployable Lighting System in the World

1. SAFETY:

- Operational in Extreme Weather at high altitudes ;
- Wind resistant: upto 80km/hr ;
- Dustproof, and Waterproof: IP65 Rated ;
- Lamp holders with special spring structure construction : making it Shockproof, and crush-resistant ;
- Lighting balloon comprises of Pressure, and Temperature sensors
- CE, TUV, CSA, GS Certified Products – International Safety Standards
- Fire Retardant Mylar Fabric ;
- Surge protected;
- Lighting Balloon made of Anti-Glare Fabric causing strainless viewing experience.

2. ILLUMINATION

- Area of illumination: Variants ranging from 100 sq.mtr. to 10,000 sq. mtr.
- Illumination direction: 360 degree, multi-directional throw of light;
- Tilt Head : for focused /specific required area lighting ;
- Reflector : In-Built reflector of any colour for Disaster response, search and rescue operation

3. CONSTRUCTION

- Extremely portable, light weight , and rapid deployable ;
- **Special construction for LONG RANGE PATROLS for Armed Forces deployed at the Border ;**
- Stainless steel tripod designed for erection on a gradient land ;
- Different types of lamps available : HALOGEN, LED, HMI

4. APPLICATIONS:

A. INDIAN ARMED FORCES :

- LONG RANGE PATROL;
- SEARCH AND RESCUE OPERATION ;
- DISASTER MANAGEMENT OPERATION ;
- PORTABLE HELIPAD AREA LIGHTING SOLUTION ;
- AIRBASES LIGHTING SOLUTION;
- MANPACK LIGHTING SOLUTION ;
- BORDER ROAD ORGANISATION- NIGHT CONSTRUCTION FOR ROADS

USER REPORT- PERFORMANCE CERTIFICATE

ORGANISATION : C.R.P.F, NEW DELHI

क्र. 170 गुण सेवा / CRPF-46 GJ

कार्यालय
OFFICE OF THE DIGP GC, CRPF, J/KALAN, NEW DELHI-110072

संदर्भ क्र./ Ref. No. _____ तिथि/ Date 06/11/2017

TO WHOM SO EVER IT MAY CONCERN

It is Certify that the performance of the store : Portable Emergency Lighting Solution (With AC Gen Set) AIRSTAR received from M/s Plaxonic Technologies is found excellent in service.

Dated : 06/11/2019

GC, CRPF, N/Delhi

Nathani
FOR DIGP GC CRPF NEW DELHI
Dy. Inspector General
गुण सेवक, नई दिल्ली
G.C. CRPF
नई दिल्ली/New Delhi-72

OFFICE OF THE DIGP GC, CRPF, GURUGRAM (HARYANA)

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, a user trial for the store: Portable emergency lighting solution: AIRSTAR received by M/s PLAXONIC TECHNOLOGIES, was conducted and found excellent and great value for operations.

Multiple units of this product were purchased for use in said store and have been performing well and up to expectations

Dated:-
GC, CRPF, Gurugram



For DIGP GC CRPF, Gurugram
उप कमाण्डेन्ट (मण्डार)
Dy. Comdt. (Store)
ग्रुप केंद्र, के.रि.पु.बल, गुरुग्राम
Group Centre, CRPF, Gurugram

OFFICE OF THE DIGP, GROUP CENTRE, CRPF, LANGJING, IMPHAL, MANIPUR-795113

No. M.V-1/2020-GC-Imp

Dated, the 20th August' 2020

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, the performance of the store : portable Emergency Lighting Solution (with AC Gen set) AIRSTAR received from M/S Plaxonic Technologies is found excellent in service.

Place:- GC, CRPF, Imphal, Manipur

Date : 20/08/2020



[Handwritten Signature]
20/8/20
Deputy Inspector General of Police
Group Centre, Central Reserve Police Force,
पुलिस उप महानिरीक्षक
Dy. Inspector General of Police
ग्रुप केन्द्र, केन्द्र, केन्द्र, अफसर (मणिपुर),
Group Centre, C. R. P. F., Imphal (Manipur)

35406/EME/TC/8

54 Sep 2017

Deputy Commissioner
Octroi / Toll Tax DepartmentREQUEST FOR ENTRY TAX EXEMPTION

Dear Sir/Madem

1. It is intimated that **Secutech** is interested in demonstration of the following items are display on North Tech Symposium, the same will be conducted on No Cost No Commitment basis (NCNC) :-

Ser	Items	A/U	Qty	Remarks
1	IR Intrusion Detection System	Number	01	1 Pair of Sensors with All Accessories
2	Remot Area Ligting Systems	Number	3	3 Units Different Models
3	Special Pnuview Day/Night HD Cameras	Number	1	1Unit with Accessories
4	Integrated Solar Lights with pir function	Number	1	1Integrated Solar Light
5	Tactical equipments for infantry troops	Number	6	6 Units of Different Kinds
6	Portable smart fire Extinguishers	Number	1	1 Unit of Extinguishers
7	Blastics and Anti Glare Googles	Number	2	2 Pairs of Googles

2. The above items are for demonstration to the Indian Army. It will be strictly used for Govt bonafide purpose.

3. Therefore, **Secutech** may be exempted from necessary Entry Tax.

4. Co-operation on the subject matter will be highly appreciated.



(SK Nair)
Col
Col EME



Hands-free backpack
with a Sirocco LED 120 W.

> the smallest lighting device of the Sirocco range

sirocco LED E27



standard version

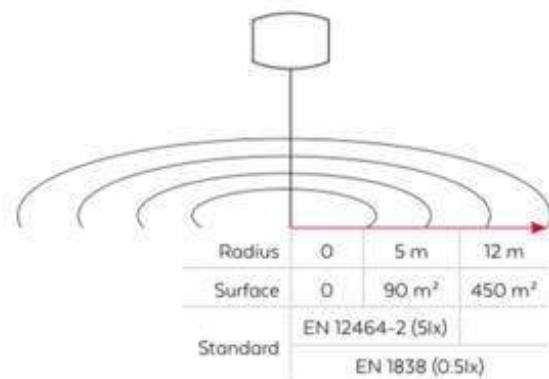


dimensions and packaging

Envelope size	ø 60 cm / h 45 cm
P200CL stand height	up to 280 cm
Net weight of the balloon	2.7 kg
Metallic case (integrated handle)	
Case dimensions	L 58 x l 30 x h 22 cm
Content: full set lighting balloon (with stand), 3 lamps, 1 user manual, 1 glove, 1 repair patch kit	
Net weight with stand	8 kg

lighting data

Open core area lighting requirement (EN1838 standard)	460 m ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	90 m ²
Light under the balloon (3 m high)	56 lx
Maximum lumen	7 500 lm
Colour temperature: warm	2 700 K



How to read the drawing: in a range of 12 m, being a surface of 450 m², we guarantee a lighting in accordance with the EN1838 standard.

technical data

Lamps	3 x 21 W LED
Average lamp life*	25 000 h
Efficiency	120 lm/W
Type of lamp holder	E27
Maximum power	150 W
Available voltage	100-120-230 V / 50-60 Hz
Restrike time	instant
Power supply	main power or battery + converter
Envelopes options	multiple envelope colours, without reflector or with reverse reflector

* Under normal conditions of use

safety

Flame-retardant fabric

Silver internal reflector improving lumens below the balloon, increasing light to the work area and reduce light pollution

Rain and dust proof material IP54







Sirocco 2-S range spare parts pieces and accessories



P350TA
 Max. height: 380 cm
 Min. height: 115 cm
 Weight: 5 kg
 Area required on the floor:
 90 cm



P400TA*
 Max. height: 415 cm
 Min. height: 130 cm
 Weight: 10kg
 Area required on the floor:
 130 cm
 *Special adaptor needed for Pro-pack versions
 (Sirocco 2-S 6 x 10 W LED
 + 2-S 12 x 10 W LED)



Sand bag
 Weight: 12 kg



tilting head



45° bent arm



Hand-free backpack
 Weight: 0.8 kg
 (available for Sirocco
 2-S 6 x 10 W LED
 + 2-S 12 x 10 W LED
 + 2-S 3 x 30 W CFL)



Energy pack
 2 or 4 48 V battery
 (for Sirocco 2-S LED 48 V)



Converter
 - 12 V - 150 W
 (only for Sirocco 2-S 3x30 W CFL)
 - 12 V or 24 V - 450 W
 (only for Sirocco 2-S 1 x 150 W HI-CR
 + 2-S 2 x 150 W HI-CR)



Packaging
 Pro-case in 2 sizes.
 Dimensions:
 L 67 x l 51 x h 26 cm
 L 143 x l 41.5 x h 27.2 cm



Envelope
 with standard reflector



Envelope
 with reversed reflector

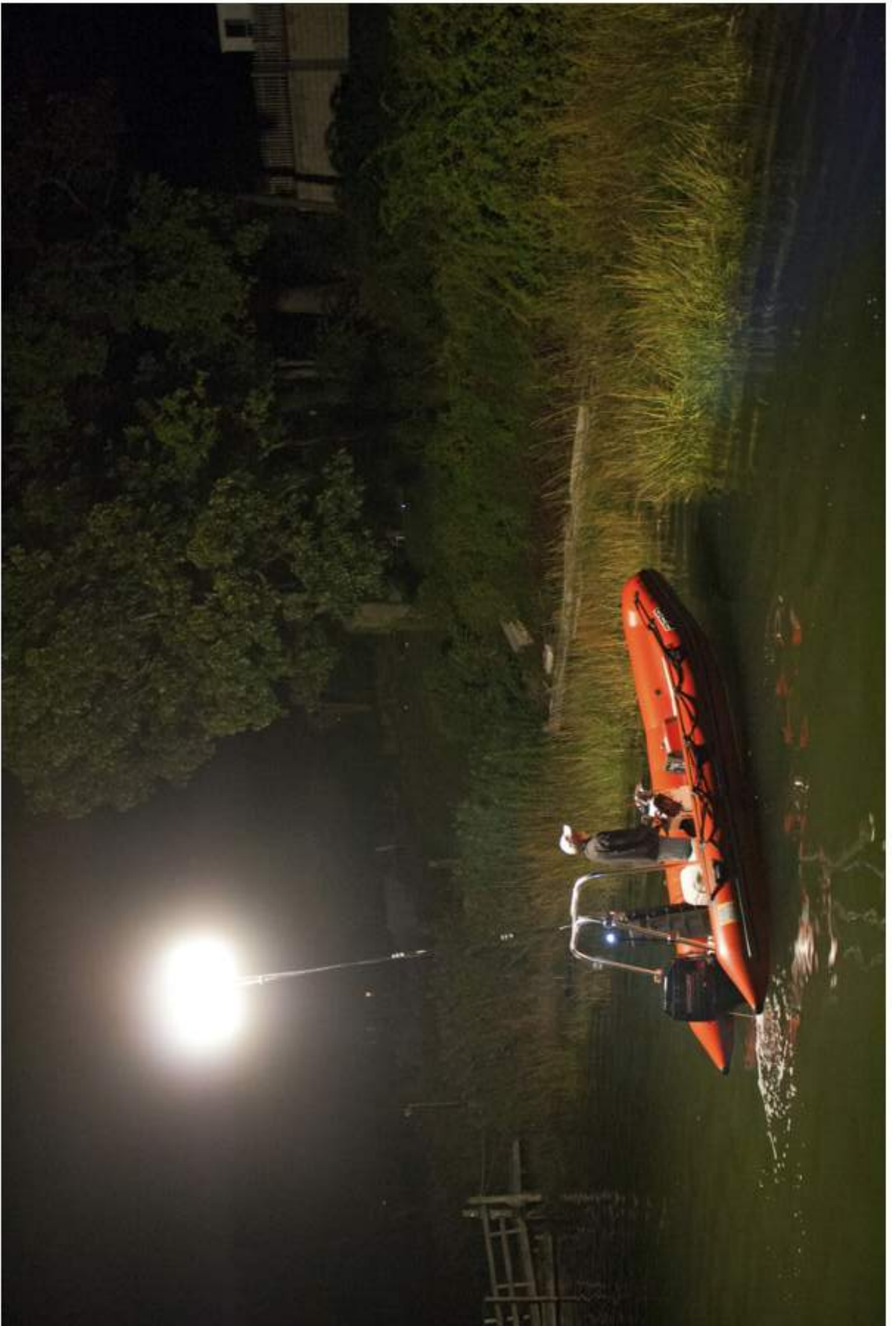


Envelope
 without reflector



> safety

civil security - firefighters
homeland security - police and governments
emergency medical services
military



> 60 000 lumens on a 1 kVA generator

sirocco 2-M 6 x 100 W LED

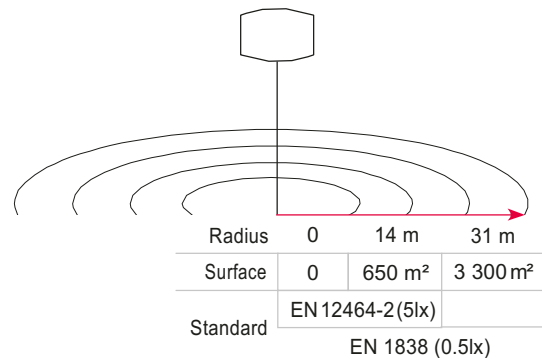


standard version



lighting data

Open core area lighting requirement (EN1838 standard)	3 300 m ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	650 m ²
Light under the balloon (2.5 m high)	500 lx
Maximum lumen	60 000 lm
Colour temperature: daylight	6 000 K



How to read the drawing: in a range of 31 m, being a surface of 3 300 m², we guarantee a lighting in accordance with the EN1838 standard.

technical data

Lamps	6 x 100 W LED
Average lamp life*	50 000 h
Efficiency	100 lm/W
Type of lamp socket	6 x independant panels [Driver + LED] Quick and easy to replace (4 screws)
Maximum power	600 W
Available voltage	100~240 V / 50 Hz
Restrike time	instant
Power supply	main power or 1 kVA generator
Envelope options	multiple envelope colours, without reflector or with reverse reflector

*Under normal conditions of use

dimensions and packaging

Envelope size	ø 90 cm / h 60 cm
P500TA stand height	from 160 to 530 cm
Net weight of the balloon	9 kg
PVC cylinder case	
Cylinder case dimensions	L 100 x 126 cm
Net weight without stand	12 kg
Content: full set lighting balloon, user manual, 1 glove, 1 repair patch kit	

safety

Flame-retardant fabric	
Silver reflector to improve highlight luminance below the balloon and avoid light pollution	
Rain and dust proof material	IP54
Electrical protection	integrated fuse + breaker
Eyes protection	pressure sensor
Wind resistance of the balloon	100 km/h

> multifunctions: put on a stand perche or on a vehicle

sirocco 2-M 2 x 1000 HA

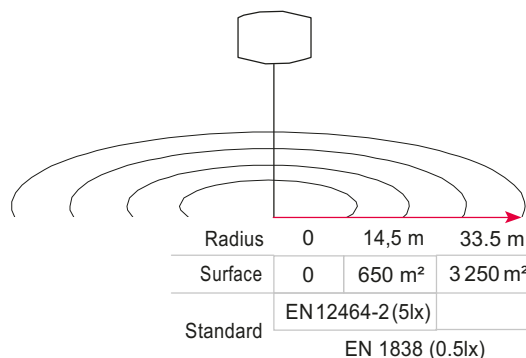


standard version



lighting data

Open core area lighting requirement (EN1838 standard)	3 250 m ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	650 m ²
Light under the balloon (2.5 m high)	400 lx
Maximum lumen	54 000 lm
Colour temperature: warm	2 700 - 3 300 K



How to read the drawing: in a range of 33.5 m, being a surface of 3 250 m², we guarantee a lighting in accordance with the EN1838 standard.

technical data

Lamps	2 x 1000 W LED
Average lamp life*	300 h
Efficiency	27 lm/W
Type of lamp socket	R7S
Maximum power	2 000 W
Available voltage	100~240V / 50-60Hz
Restrike time	instant
Power supply	main power or 3kVA generator
Envelope options	multiple envelope colours, without reflector or with reverse reflector

*Under normal conditions of use

dimensions and packaging

Envelope size	ø 90 cm / h 60 cm
P500TA stand height	from 160 to 530 cm
Net weight of the balloon	8 kg
PVC cylinder case	
Cylinder case dimensions	L 100 x l 26 cm
Net weight without stand	11 kg
Content: full set lighting balloon, user manual, 1 glove, 1 repair patch kit	

safety

Flame-retardant fabric	
Silver reflector to improve highlight luminance below the balloon and avoid light pollution	
Rain and dust proof material	IP54
Electrical protection	Integrated fuse + breaker
Eyes protection	Pressure sensor
Wind resistance of the balloon	100 km/h

> 4 700 m² lighted up with a relatively low energy consumption

sirocco 2-M 1 x 1000 WHI-T

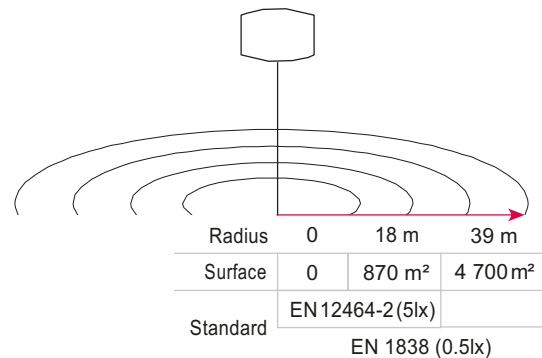


standard version



lighting data

Open core area lighting requirement (EN1838 standard)	4 700m ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	870m ²
Light under the balloon (3m high)	780lx
Maximum lumen	110 000 lm
Colour temperature: neutral	3 500 - 4 500 K



How to read the drawing: in a range of 39m, being a surface of 4 700m², we guarantee a lighting in accordance with the EN1838 standard.

technical data

Lamps	1 x 1000 WHI-T
Average lamp life*	8 000 h
Efficiency	110 lm/W
Type of lamp socket	E40
Maximum power	1 280 W
Available voltage	220~240 V / 50 Hz
Restrike time	~ 10 min
Power supply	main power or 3kVA generator
Envelope options	multiple envelope colours, without reflector or with reverse reflector

*Under normal conditions of use

dimensions and packaging

Envelope size	ø 120 cm / h 70 cm
P500TA stand height	from 160 to 530 cm
Net weight of the balloon	10 kg
Ballast	12 kg
PVC cylinder case	
Cylinder case dimensions	L 100 x l 26 cm
Net weight without stand	13 kg
Content: full set lighting balloon, user manual, 1 glove, 1 repair patch kit	

safety

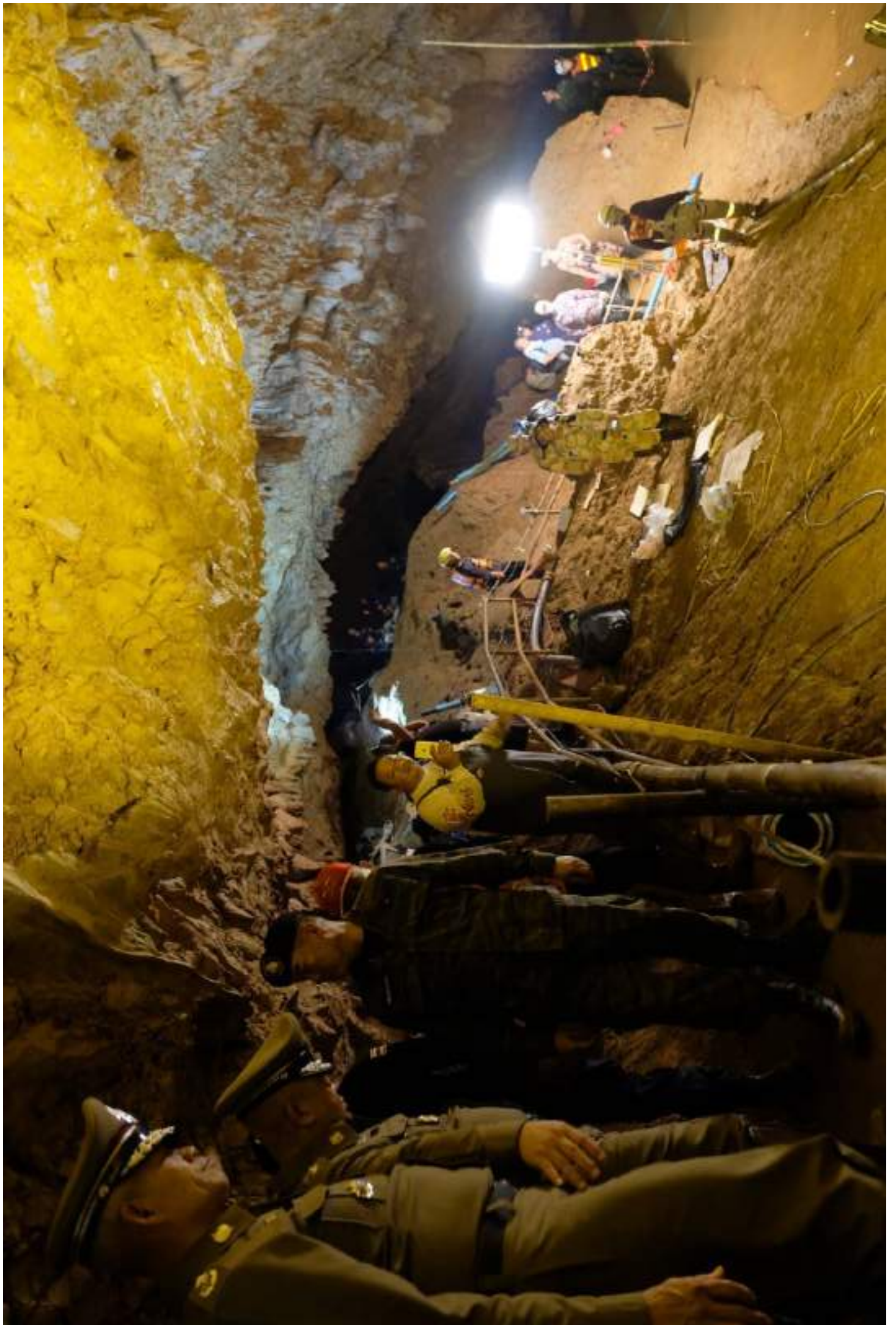
Flame-retardant fabric	
Silver reflector to improve highlight luminance below the balloon and avoid light pollution	
Rain and dust proof material	IP54
Electrical protection	integrated fuse + breaker
Eyes protection	pressure sensor
Wind resistance of the balloon	100 km/h



> homogenous
and 360°
diffuse light







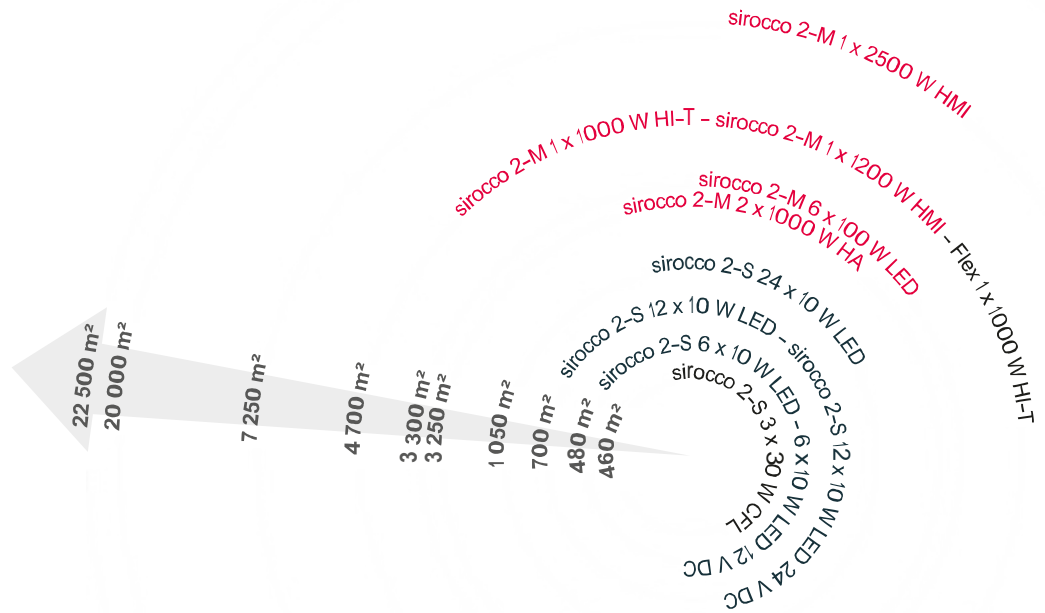






lighting area

Flex 4 x 1000 W HI-T
sirocco 2-L 1 x 4000 W HMI



		Sirocco 2-M			Sirocco 2-L	Flex	
6 x 100 W LED	1 x 1000 W HI-T	2 x 1000 W HA	1 x 1200 W HMI	1 x 2500 W HMI	1 x 4000 W HMI	1 x 1000 W HI-T	4 x 1000 W HI-T
3 300 m ²	4 700 m ²	3 250 m ²	4 700 m ²	7 250 m ²	20 000 m ²	4 700 m ²	22 500 m ²
60 000 lm	110 000 lm	54 000 lm	110 000 lm	240 000 lm	380 000 lm	110 000 lm	440 000 lm
100 lm/W	110 lm/W	27 lm/W	92 lm/W	88 lm/W	100 lm/W	110 lm/W	110 lm/W
6000 K	3500 K 4 500K	2700K 3 300 K	5500K 6 500 K	5 500 K 6 500 K	5 500K 6 500K	4000 K	4000 K
LED	HI-T	halogen	HMI	HMI	HMI	HI-T	HI-T
50 000 h	8 000 h	300 h	750 h	500 h	500 h	8 000 h	8 000 h
600 W	1280 W	2000 W	1 300 W	2 800 W	4500 W	1 600 W	4 000 W
100 ~ 240 V 50 Hz	220 ~ 240 V 50 Hz	100 ~ 240 V 50 60 Hz	220 ~ 240 V 50 Hz	208 V / 60 Hz ou 220~240 V	100V - 120V 230 V	220~240 V 50 Hz	230 V 50 Hz
instant	~ 10 min	instant	instant	instant	instant	~ 10 min	~ 10 min
main power or generator	main power or generator	main power or generator	main power or generator	main power or generator	main power or generator	main power or generator	main power or generator
9 kg	10 kg	8 kg	11 kg	7 kg	20 kg	10 kg	27 kg
12 kg	13 kg	11 kg	14 kg	10 kg	23 kg	13 kg	30 kg
no	no	no	no	no	no	no	no



sirocco2-Strange

safety

“

The Airstar was awesome! The consistency, brightness and ease of use made it easy for us to see everything we needed to see all night long. It was quiet, natural light that made us forget it was night, almost. I have used many other lighting system and I think the AirStar is clearly superior. I would highly recommend the lighting system to any public safety agency looking for an easy

to set up, bright and wide berth of lighting footprint.”

Jim Morrissey

ALCO EMS, Terrorism Preparedness Director, Tactical Medic, San Francisco FBI SWAT (United States).

“

[...] The Airstar Lights were deployed easily without difficulty and run flawlessly. The non-glare feature was beneficial, ensuring each competitor's visibility was not

compromised while navigating an obstacle.”

F. Doug Matteo

Sergeant, Regional training center, Alameda county sheriff's office (United-States).

“

[...] I There were no shadows or glare as had been seen in other times we used this facility. The AirStar Lighting installers were able to offer the best suggestion on where to install the lighting and they were spot on. We had no difficulties, day or night, because of their installation.

This was by far the best lighting we've ever used.”

Benny RODRIGUEZ

Assisant Site Captain for Urban Shield, Member of California highway patrol (United States).





PLAXONIC TECHNOLOGIES

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Gurgaon, Haryana,
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