

.....
> 2021 catalogue

Sirocco

NEW

REDTECH RANGE



aIRSTAR

world leader in lighting balloons

> Airstar, the reference

In 1994, we invented the lighting balloon concept. Since then the Sirocco by Airstar has become a global reference.


The envelope of an Airstar Sirocco is made from a woven material which diffuses the internal light source. Our products light up where others don't, providing better visibility of the immediate work area and its surroundings. For all your projects, quality lighting is essential to work efficiently and in a secure environment. Airstar lighting balloons meet this need, thanks to homogeneous and diffused 360 ° light, without shadow and glare free.



> table of contents

Redtech range	4
Lighted area	6
Markets	8
 Sirocco S	
sirocco LED E27	12
sirocco LED 6 000 lm pro-pack	13
sirocco LED 12 000 lm pro-pack	14
sirocco LED 24 000 lm	15
spare parts pieces and accessories	17
 Sirocco M	
sirocco 400 Redtech	20
sirocco 700 Redtech	21
sirocco 1000 Redtech	22
sirocco 1300 Redtech	23
spare parts pieces and accessories	25
 Flex	
flex HI-T 4 000 W	28
 Product range summary	32
Comparative lighted areas	34

keys

 Bluetooth Connection

 Backpack

 Lighting tower

 Mobile

 Smart light control & Mesh network

 Battery

TBT Extra low voltage

LED ★★★★★ The best LED technology

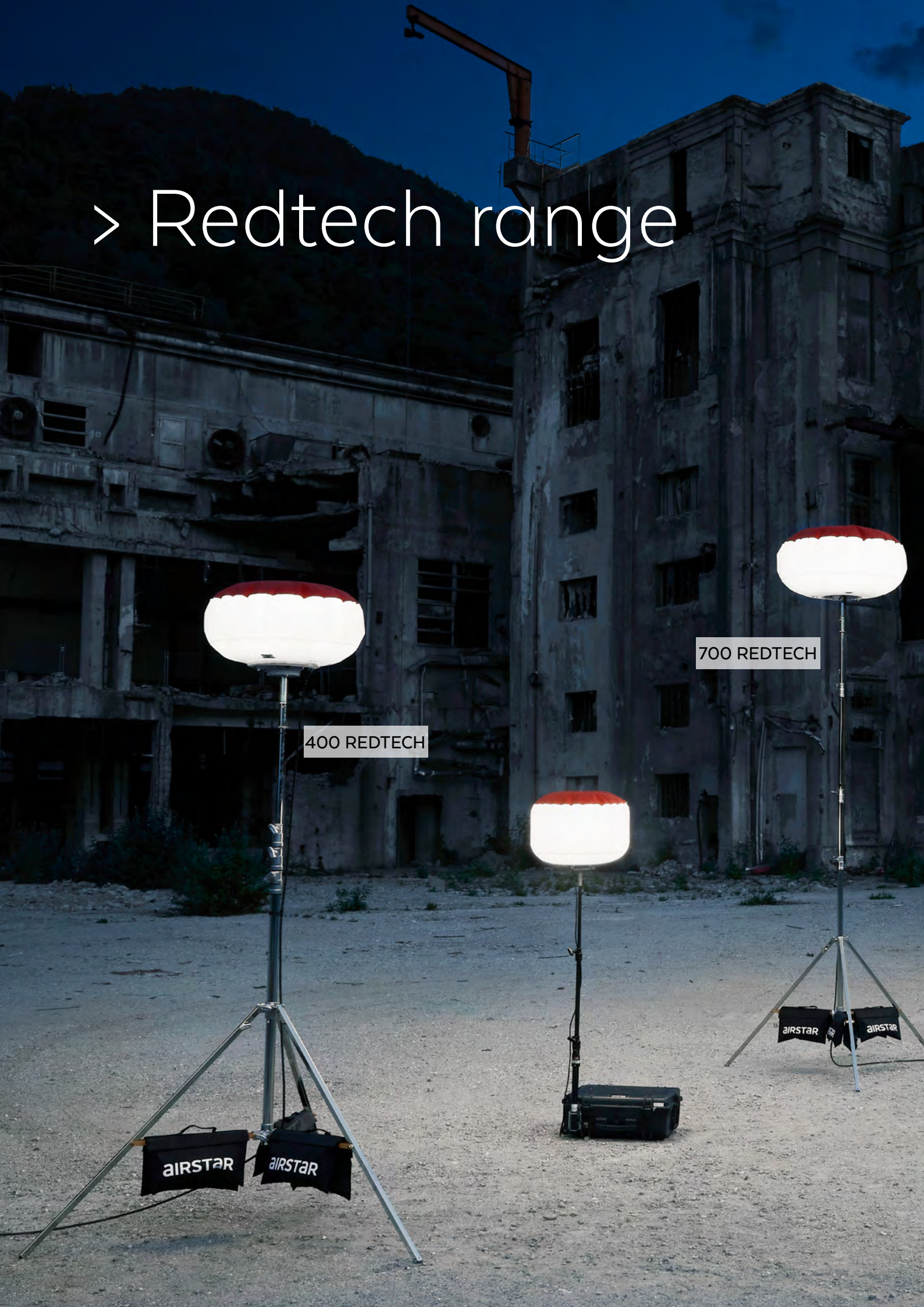
 Dimmable

 Generator

> Redtech range

400 REDTECH

700 REDTECH



NEW

1300 REDTECH

1000 REDTECH

aIRSTAR

> homogenous
and 360° diffuse light



> glare free



At equivalent power, comparison between
the lighted area of a **projector** and
the lighted area of an **Airstar lighting balloon**.

> safety lighting

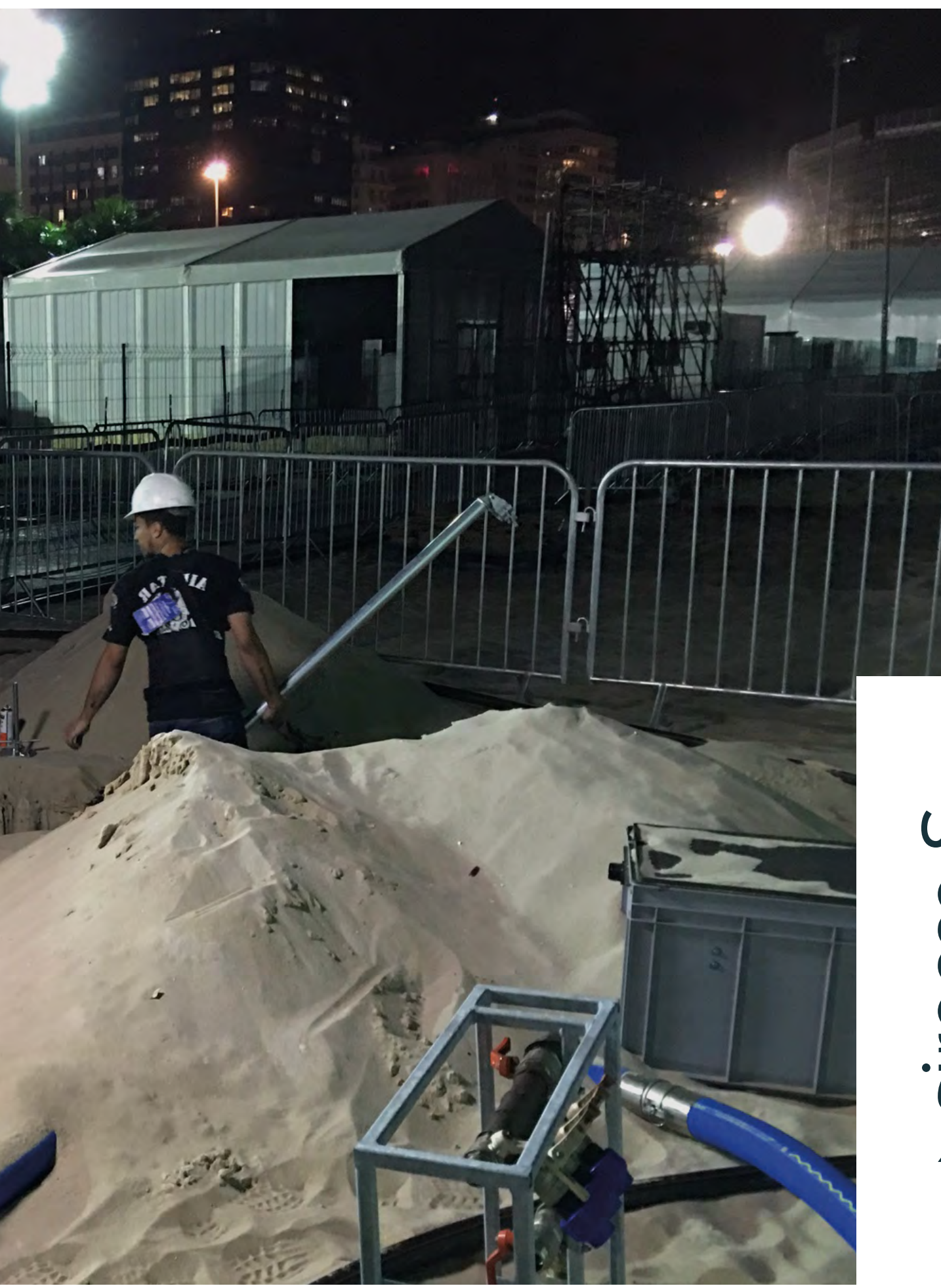
construction
night works
maintenance
mining and oil sites





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





> sirocco S

> the smallest lighting device of the Sirocco range

sirocco LED E27

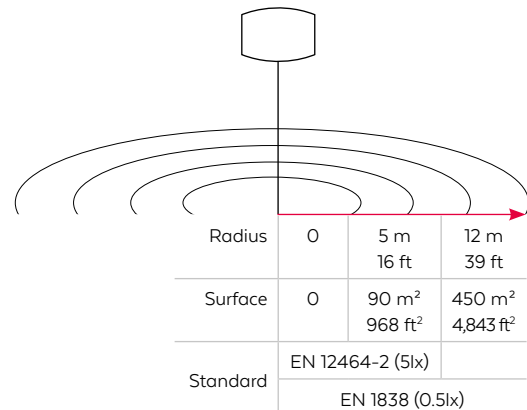


standard version



lighting data

Open core area lighting requirement (EN 1838 standard)	450 m ² 4,843 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	90 m ² 968 ft ²
Light under the balloon (3 m - 9 ft high)	56 lx - 5,2 fc
Maximum lumen	7 500 lm
Colour temperature: warm	2 700 K



How to read the drawing: in a range of 12 m - 39 ft, being a surface of 450 m² - 4,843 ft², we guarantee a lighting in accordance with the EN 1838 standard.

dimensions and packaging

Envelope size	ø 60 cm / h 45 cm ø 23 in / h 17 in
P200CL stand height	up to 280 cm - 110 in
Net weight of the balloon	2,7 kg - 5,9 lbs
Metallic case (integrated handle)	
Case dimensions	L 58 x w 30 x h 22 cm L 22 x w 11 x h 8 in
Content: full set lighting balloon (with stand), 3 lamps, 1 user manual, 1 glove, 1 repair patch kit	
Net weight with stand	8 kg - 17,6 lbs

technical data

Lamps	3 x 21 W LED
Average LED 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

security

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

> a battery powered LED lighting balloon, suitable for mobile operations

sirocco LED 6 000 lm



pro-pack version

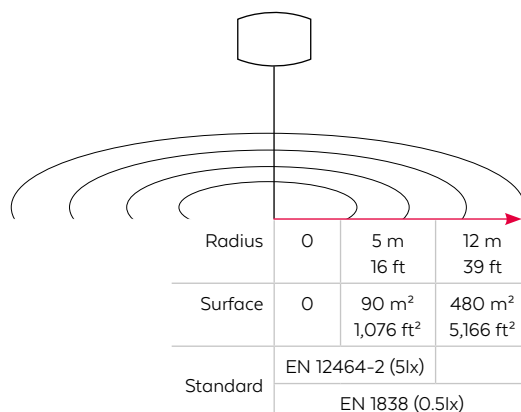


dimensions and packaging

Envelope size	ø 60 cm / h 45 cm ø 23 in / h 17 in
P400TA stand height	from 130 cm - 51 in to 410 cm - 161 in
Stand height (pro-pack version)	230 cm - 90 in
Net weight of the balloon	3 kg - 6,6 lbs
Pro-pack version (handle and wheels)	
Case dimensions	L 67 x w 51 x h 26 cm L 26 x w 20 x h 10 in
Content: same as metallic case + telescopic stand	
Net weight with stand	20 kg - 44 lbs

lighting data

Open core area lighting requirement (EN1838 standard)	480 m ² 5,166 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	90 m ² 1,076 ft ²
Light under the balloon (2.5 m - 8 ft high)	100 lx - 9,2 fc
Maximum lumen	6 150 lm
Colour temperature: neutral	4 750 K



How to read the drawing: in a range of 12 m - 39 ft, being a surface of 480 m² - 5,166 ft², we guarantee a lighting in accordance with the EN 1838 standard.

technical data

Lamps	6 x 10 W LED			
Average LED life*	40 000 h			
Efficiency	100 lm/W			
Type of lamp holder	6 x LED panels (powered by 2 drivers)			
Maximum power	60 W			
Available voltage	48 VDC			
Dimmable	100 %	66 %	33 %	flash mode
Battery lifetime	8 h	12 h	16 h	24 h
Restrike time	instant			
Power supply	battery 13Ah-lithium 48 V			
Envelopes options	multiple envelope colours, without reflector or with reverse reflector			

* Under normal conditions of use

security

Safety low voltage power supply (< 60 VDC)	48 V
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
Wind resistance of the balloon	80 km/h - 50 mph

> 4 hours of battery life at 12 000 lumens

sirocco LED 12 000 lm



pro-pack version

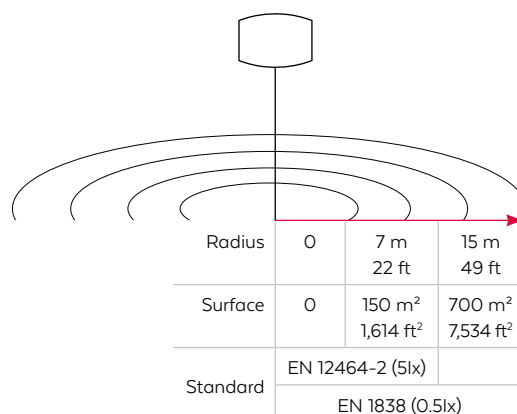


dimensions and packaging

Envelope size	ø 60 cm / h 45 cm ø 23 in / h 17 in
P400TA stand height	from 130 cm - 51 in to 410 cm - 161 in
Stand height (pro-pack version)	230 cm - 90 in
Net weight of the balloon	3 kg - 6,6 lbs
Pro-pack version (handle and wheels)	
Case dimensions	L 67 x w 51 x h 26 cm L 26 x w 20 x h 10 in
Content: same as metallic case + telescopic stand	
Net weight with stand	20 kg - 44 lbs

lighting data

Open core area lighting requirement (EN 1838 standard)	700 m ² 7,534 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	150 m ² 1,614 ft ²
Light under the balloon (2 m - 6 ft high)	200 lx - 18 fc
Maximum lumen	12 300 lm
Colour temperature: neutral	4 750 K



How to read the drawing: in a range of 15 m - 49 ft, being a surface of 700 m² - 7,534 ft², we guarantee a lighting in accordance with the EN 1838 standard.

technical data

Lamps	12 x 10 W LED			
Average LED life*	40 000 h			
Efficiency	100 lm/W			
Type of lamp holder	10 W LED COB			
Maximum power	125 W			
Available voltage	48 V DC			
Dimmable	100 %	66 %	33 %	flash mode
Battery lifetime	4 h	6 h	12 h	8 h
Restrike time	instant			
Power supply	battery 13Ah-lithium 48 V			
Envelopes options	multiple envelope colours, without reflector or with reverse reflector			

* Under normal conditions of use

security

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
Wind resistance of the balloon	80 km/h - 50 mph

sirocco LED 24 000 lm

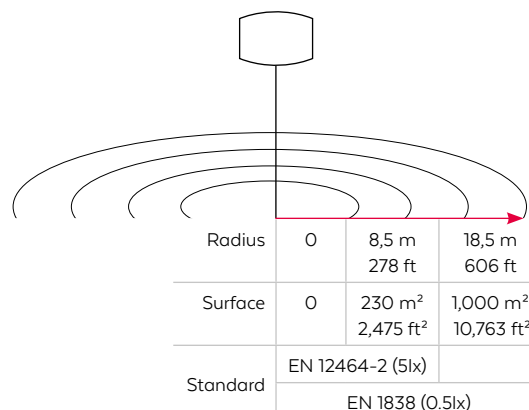


standard version



lighting data

Open core area lighting requirement (EN1838 standard)	1,000 m ² 10,763 ft ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	230 m ² 2,475 ft ²
Light under the balloon (2 m - 6 ft high)	403 lx - 37 fc
Maximum lumen	24 600 lm
Colour temperature: neutral	4 750 K



How to read the drawing: in a range of 18,5 m - 606 ft, being a surface of 1 000 m² - 10,763 ft², we guarantee a lighting in accordance with the EN 1838 standard.

pro-pack version



dimensions and packaging

Envelope size	ø 75 cm / h 60 cm ø 29 in / h 23 in
P400TA stand height	from 130 cm - 51 in to 410 cm - 161 in
Net weight of the balloon	3,7 kg - 8 lbs

Standard version : metallic case (integrated handle)

Case dimensions	L 60 x w 48 x h 22 cm L 23 x w 18 x h 8 in
Content: full set lighting balloon with LED (without stand), 2 batteries, 2 chargers, 1 user manual, 1 repair patch kit	
Net weight without stand	22 kg - 48 lbs

Pro-pack version (handle and wheels)

Case dimensions	L 143 x w 41 x h 27 cm L 56 x w 16 x h 10 in
Content: same as mettalic box + P400TA stand	
Net weight with stand	38 kg - 83 lbs

technical data

Lamps	6 x 4 x 10 W LED			
Average lamp life*	40 000 h			
Efficiency	100 lm/W			
Type of lamp holder	10 W LED COB			
Maximum power	240 W			
Available voltage	48 V DC			
Dimmable	100 %	66 %	33 %	flash mode
Battery lifetime	4 h	6 h	12 h	8 h
Restrike time	instant			
Power supply	battery 13Ah-lithium 48 V			
Envelopes options	multiple envelope colours, without reflector or with reverse reflector			

* Under normal conditions of use

security

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
Wind resistance of the balloon	80 km/h - 50 mph



sirocco S range spare parts pieces and accessories



P350TA

Max. height: 380 cm - 149 in
Min. height: 115 cm - 45 in
Weight: 5 kg - 11 lbs
Area required on the floor:
90 cm - 35 in



P400TA*

Max. height: 410 cm - 161 in
Min. height: 130 cm - 51 in
Weight: 10 kg - 22 lbs
Area required on the floor:
130 cm - 51 in

* Special adaptor needed for
Pro-pack versions
(Sirocco LED 6 000 lm
and LED 12 000 lm)



Sandbag

Weight:
12 kg - 26 lbs



45° bent arm



Hand-free backpack

Weight: 0,8 kg - 1 lbs
(available for Sirocco LED 6 000 lm,
LED 12 000 lm and LED E27)



Energy pack

2 or 4 48 V battery
(for Sirocco LED 6 000 lm
and 12 000 lm)



Converter

12 V - 150 W
(only for Sirocco LED E27)



Packaging

Pro-pack in 1 size.
Dimensions:
L 67 x w 51 x h 26 cm
L 26 x w 20 x h 10 in



Envelope

with standard reflector



Envelope

with reversed reflector



Envelope

without reflector





> sirocco M

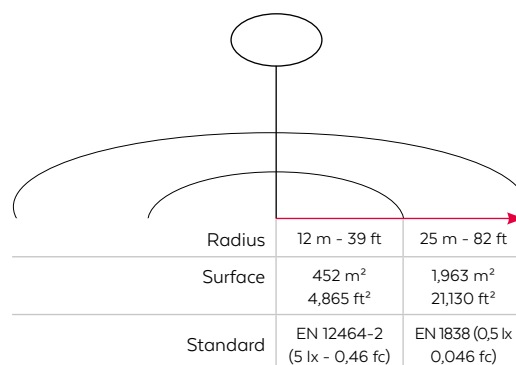
sirocco 400 Redtech



NEW

> lighting data

Open core area lighting requirement (EN 1838 standard)	1,963 m ² 21,130 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	452 m ² 4,865 ft ²
Light under the balloon (4 m - 13,12 ft high)	155 lx - 14 fc
Maximum lumen	33,000 lm
Colour temperature: daylight	5,000 K



> technical data

Light Engine	Airstar LED Matrix : 6 x 5 500 lm
Average LED life*	50,000 h
Maximum power	250 W
Efficiency	132 lm/W 5,892 lm/kg - 2,682 lm/lbs
Available voltage	100-240 VAC / 50-60 Hz
Power supply	main power or 1 kVA generator
Envelopes options	multiple envelope colours, without reflector or with reverse reflector
Wind resistance of the balloon	100 km/h - 60 mph
Flame-retardant fabric	

* Under normal conditions of use

> dimensions and packaging

Envelope size	ø 70 cm / h 37 cm ø 27 in / h 14 in
Net weight of the balloon	5,6 kg - 12 lbs
P500TA stand height	from 160 to 530 cm from 5 to 18 ft
Transport bag	L 86 x w 30 x h 30 cm L 33 x w 11 x h 11 in

Content: full set lighting balloon, 1 transport bag, 1 user's guide, 1 envelope repair kit. Stand and sand bags optional.

> Redtech

Certifications	IEC-60598-1, CE, IP54
Maximum Mesh range between two balloons	100 m - 109,3 yd
Smart Light Control	Airstar Light App

AIRSTAR LIGHT APP



> a must-have from the Redtech range

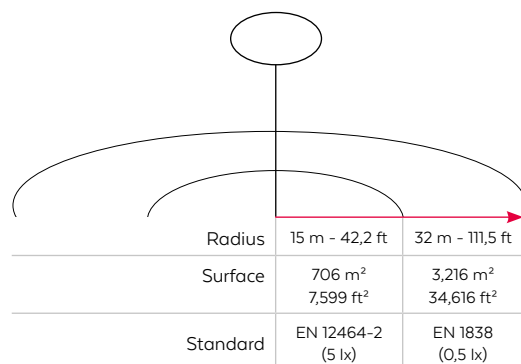
sirocco 700 Redtech



NEW

> lighting data

Open core area lighting requirement (EN 1838 standard) *	3,216 m ² 34,616 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	706 m ² 7,599 ft ²
Light under the balloon (4 m - 13,12 ft high) **	452 lx - 41 fc
Maximum lumen	66,000 lm
Colour temperature: daylight	5,000 K



> technical data

Light Engine	Airstar LED Matrix : 12 x 5 500 lm
Average LED life*	50,000 h
Maximum power	500 W
Efficiency	132 lm/W 10,153 lm/kg - 4,605 lm/lbs
Available voltage	100-240 VAC / 50-60 Hz
Power supply	main power or 1 kVA generator
Envelopes options	multiple envelope colours, without reflector or with reverse reflector
Wind resistance of the balloon	100 km/h - 60 mph
Flame-retardant fabric	

* Under normal conditions of use

> dimensions and packaging

Envelope size	ø 100 cm / h 50 cm ø 39 in / h 19 in
Net weight of the balloon	6,5 kg - 14 lbs
P500TA stand height	from 160 to 530 cm from 5 to 18 ft
Transport bag	L 86 x w 30 x h 30 cm L 33 x w 11 x h 11 in

Content: full set lighting balloon (without stand),
1 user manual, 1 envelope repair patch kit

> Redtech

Certifications	IEC-60598-1, CE, IP54
Maximum Mesh range between two balloons	100 m - 109,3 yd
Smart Light Control	Airstar Light App

AIRSTAR LIGHT APP



* Standard Envelope. ** Lenticulare Envelope

> a powerful lighting with a very good price-performance ratio

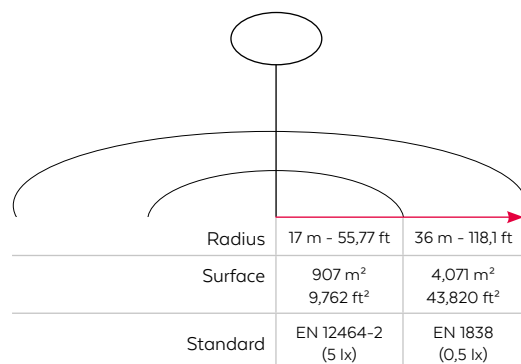
sirocco 1000 Redtech



NEW

> lighting data

Open core area lighting requirement (EN 1838 standard) *	4,071 m ² 43,820 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	907 m ² 9,762 ft ²
Light under the balloon (4 m - 13,12 ft high) **	660 lx - 61 fc
Maximum lumen	99,000 lm
Colour temperature: daylight	5,000 K



> technical data

Light Engine	Airstar LED Matrix : 18 x 5 500 lm
Average LED life*	50,000 h
Maximum power	700 W
Efficiency	141 lm/W 11 511 lm/kg - 5,221 lm/lbs
Available voltage	100-240 VAC / 50-60 Hz
Power supply	main power or 1,5 kVA generator
Envelopes options	multiple envelope colours, without reflector or with reverse reflector
Wind resistance of the balloon	100 km/h - 60 mph

Flame-retardant fabric

* Under normal conditions of use

> dimensions and packaging

Envelope size	ø 116 cm / h 64 cm ø 45 in / h 25 in
Net weight of the balloon	8,6 kg - 18 lbs
P500TA stand height	from 160 to 530 cm from 5 to 18 ft
Transport bag	L 108 x w 30 x h 30 cm L 42 x w 11 x h 11 in

Content: full set lighting balloon, 1 transport bag, 1 user's guide, 1 envelope repair kit. Stand and sand bags optional.

> Redtech

Certifications	IEC-60598-1, CE, IP54
Maximum Mesh range between two balloons	100 m - 109,3 yd
Smart Light Control	Airstar Light App

AIRSTAR LIGHT APP



* Standard Envelope. ** Lenticulare Envelope

> 132,000 lm for less than 10 kg - 22 lbs

sirocco 1300 Redtech

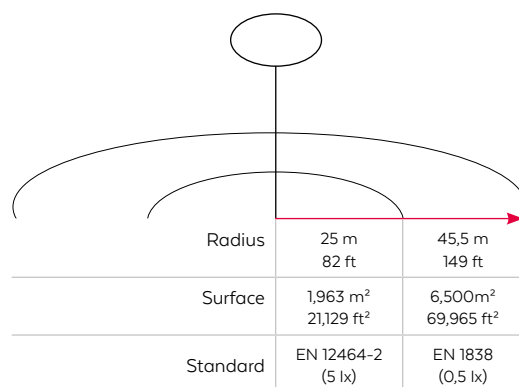


NEW



> lighting data

Open core area lighting requirement (EN 1838 standard)	6,500 m ² 69,965 ft ²
Very low risk area lighting requirement for safety and security (EN 12464-2 standard)	1,963 m ² 21,129 ft ²
Light under the balloon (4 m - 13,12 ft high)	704 lx - 65 fc
Maximum lumen	132,000 lm
Colour temperature: daylight	5,000 K



> technical data

Light Engine	Airstar LED Matrix : 24 x 5 500 lm
Average LED life*	50,000 h
Maximum power	920 W
Efficiency	143 lm/W 14,042 lm/kg - 6,373 lm/lbs
Available voltage	100-240 VAC / 50-60 Hz
Power supply	main power or 2 kVA generator
Envelopes options	multiple envelope colours, without reflector or with reverse reflector
Wind resistance of the balloon	100 km/h - 60 mph

Flame-retardant fabric

* Under normal conditions of use

> Redtech

Certifications	IEC-60598-1, CE, IP54
Maximum Mesh range between two balloons	100 m - 109,3 yd
Smart Light Control	Airstar Light App

AIRSTAR LIGHT APP

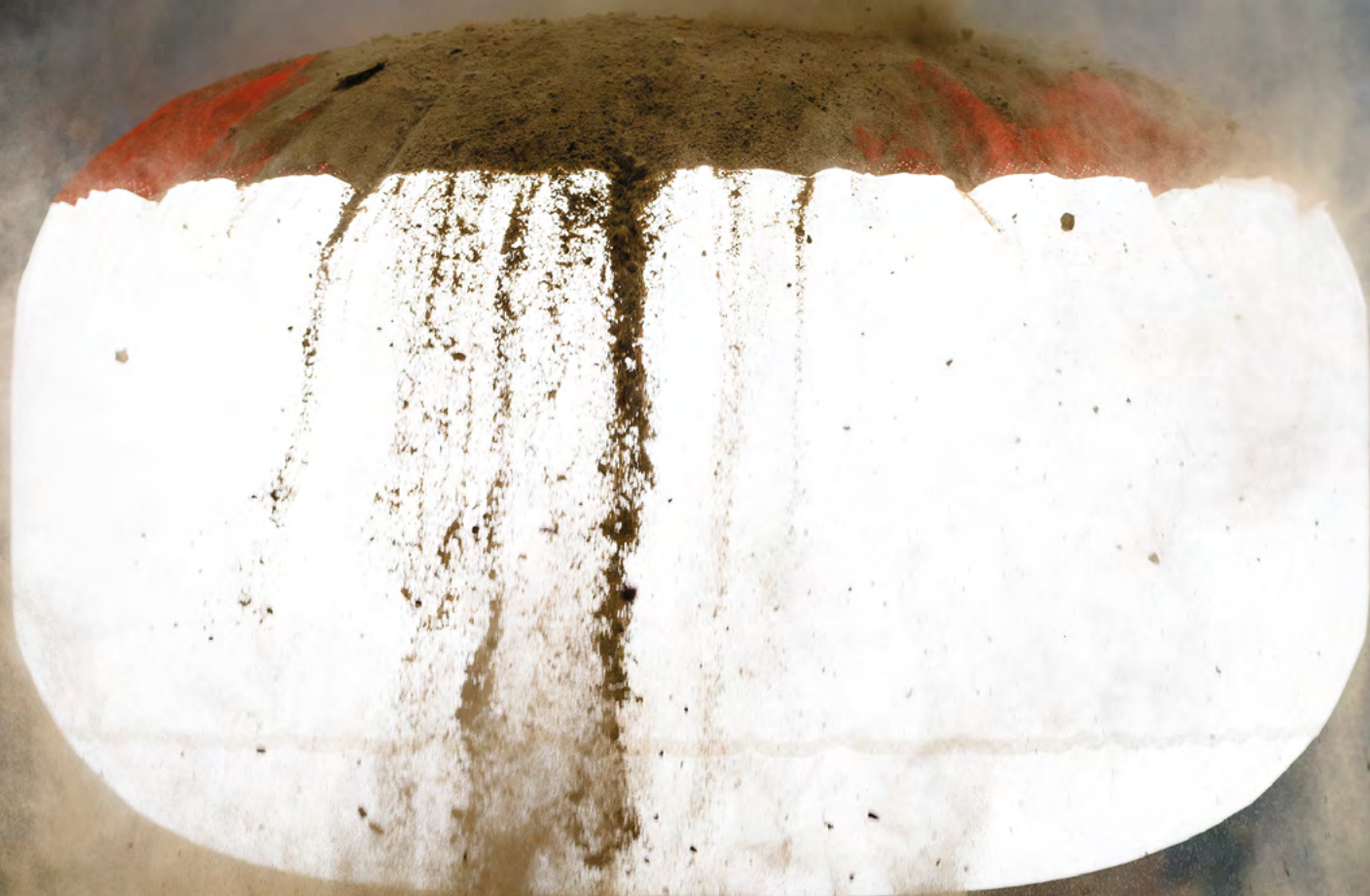


> dimensions and packaging

Envelope size	ø 138 cm / h 77 cm ø 54 in / h 30 in
Net weight of the balloon	9,4 kg - 20 lbs
P500TA stand height	from 160 to 530 cm from 5 to 18 ft
Transport bag	L 108 x w 30 x h 30 cm L 42 x w 11 x h 11 in

Content: full set lighting balloon, 1 transport bag, 1 user's guide, 1 envelope repair kit. Stand and sand bags optional.

IP54



sirocco M range spare parts pieces and accessories



P500TA

Max. height: 530 cm - 208 in
Min. height: 160 cm - 62 in
Weight: 16 kg - 39 lbs
Area required on the floor:
165 cm - 64 in



P600TA

Max. height: 660 cm - 259 in
Min. height: 210 cm - 82 in
Weight: 23 kg - 50 lbs
Area required on the floor:
200 cm - 78 in



P500AH

Max. height: 530 cm - 208 in
Min. height: 160 cm - 62 in
Area required on
the floor: 165 cm - 64 in



Sandbag

Weight: 12 kg - 26 lbs



Offset arm



Tilting head



45° bent arm



Envelope

with standard reflector



Envelope

with reversed reflector



Envelope

without reflector





> flex

> for a medium and long-term use in extreme conditions (humidity, cold, wind...)

flex HI-T 4 000 W



flex by Airstar

An envelope made from woven material with an internal, rigid pole system, meaning no fan is needed for inflation. Made for permanent or semi-permanent use with a higher wind resistance.

standard version



dimensions and packaging

Envelope size	ø 140 cm / h 130 cm ø 55 cm / h 51 in
Balloon cardbox dimensions	L 103 x w 56 x h 56 cm L 40 x w 22 x h 22 in
Ballast cardbox dimensions	L 34 x w 27 x h 25 cm L 13 x w 10 x h 9 in

Flex HI-T 4000 W on lighting Tower

Total weight without lighting Tower	20 kg - 44 lbs
Net weight of the balloon	17 kg - 37 lbs

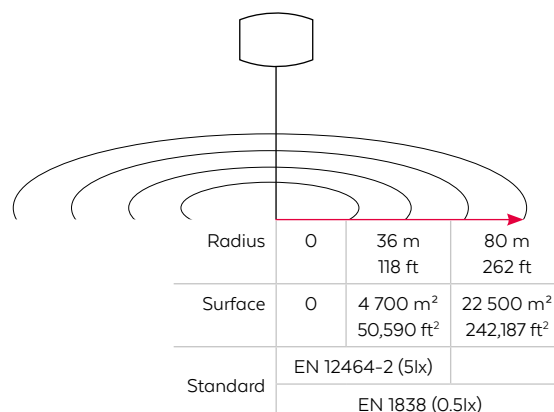
Flex HI-T 4000 W HI-T with ballast

Total weight without ballast	30 kg - 66 lbs
Net weight of the balloon	28 kg - 61 lbs
Ballasts	4 x 12 kg - 4 x 26 lbs

Content: full set lighting balloon (without stand),
4 lamps, 1 user manual, 1 repair patch kit

lighting data

Open core area lighting requirement (EN1838 standard)	22,500 m ² 242,187 ft ²
Very low risk area lighting requirement for safety and security (EN12464-2 standard)	4,700 m ² 50,590 ft ²
Light under the balloon (7 m high)	600 lx - 55 fc
Maximum lumen	440,000 lm
Colour temperature: neutral	4,000 K



How to read the drawing: in a range of 80 m - 262 ft, being a surface of 22,500 m² - 242,187 ft², we guarantee a lighting in accordance with the EN 1838 standard.

technical data

Lamps	4 x 1,000 W HI-T
Average lamp life*	8,000 h
Efficiency	68 lm/W
Type of lamp holder	E40
Maximum power	6,400 W
Available voltage	230 V / 50 Hz
Ballasts	4 x 1,000 W magnetic
Restrike time	~ 10 min
Power supply	main power or 9 kVA generator
Envelopes options	multiple envelope colours, without reflector or with reverse reflector

* Under normal conditions of use

security

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
Wind resistance of the balloon	130 km/h - 80 mph

> testimonials

“

[...] The Airstar LED balloon is ideal in difficult areas such as steep motorways embankments, is non-intrusive unlike the traditional tower light (vital when working area is at a premium) and is compact and far more cost effective to deploy in comparison to the cumbersome tower lighting set that requires a towing vehicle for each set.

Highways England have reported the lights are highly innovative and a vast improvement in comparison with other forms of lighting.

”

Alan McHale

Director of Applewood Developments (UK).

“

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 (USA).

“

[...] 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 (USA).

> sirocco range



700 REDTECH

400 REDTECH

PRO-PACK



1300 REDTECH

1000 REDTECH

product range summary

	sirocco S			
	LED E27	LED 6 000 lm	LED 12 000 lm	LED 24 000 lm
Lighting data				
Open core area lighting requirement (EN 1838 standard)	450 m ² 4,843 ft ²	480 m ² 5,166 ft ²	700 m ² 7,534 ft ²	1,000 m ² 10,763 ft ²
Maximum lumen	7,500 lm	6,150 lm	12,300 lm	24,600 lm
Light efficiency	50 lm/W	102 lm/W	102 lm/W	102 lm/W
Colour temperature	2,700 K	4,750 K	4,750 K	4,750 K
Technical data				
Light Engine	LED	LED	LED	LED
Average LED life*	25,000 h	40,000 h	40,000 h	40,000 h
Maximum power / Energy consumption	150 W	60 W	120 W	240 W
Available voltages	100-120 230 V 50-60 Hz	48 V DC	48 V DC	48 V DC
Restrike (necessary time for the lamp to turn on again)	not applicable	not applicable	not applicable	not applicable
Power supply	main power or battery	battery	battery	main power or battery
Airstar Light App Mesh network	no	no	no	no
Weight				
Weight of the balloon only	2,7 kg - 6 lbs	3 kg - 6 lbs	3 kg - 6 lbs	3,7 kg - 8 lbs

* Under normal conditions of use

	sirocco M				flex
	400 Redtech	700 Redtech	1000 Redtech	1300 Redtech	HI-T 4 000 W
Lighting data					
Open core area lighting requirement (EN 1838 standard)	1,963 m ² 21,130 ft ²	3,216 m ² 34,616 ft ²	4,071 m ² 43,820 ft ²	6,500 m ² 69,965 ft ²	22,500 m ² 242,187 ft ²
Maximum lumen	33,000 lm	66,000 lm	99,000 lm	132,000 lm	440,000 lm
Light efficiency	132 lm/W	132 lm/W	141 lm/W	143 lm/W	68 lm/W
Colour temperature	5,000 K	5,000 K	5,000 K	5,000 K	4,000 K
Technical data					
Light Engine	LED	LED	LED	LED	HI-T
Average LED life*	50,000 h	50,000 h	50,000 h	50,000 h	8,000 h
Maximum power / Energy consumption	250 W	500 W	700 W	920 W	6,400 W
Available voltages	100-240 V AC 50-60 Hz	100-240 V AC 50-60 Hz	100-240 V AC 50-60 Hz	100-240 V AC 50-60 Hz	230 V 50 Hz
Restrike (necessary time for the lamp to turn on again)	not applicable	not applicable	not applicable	not applicable	~ 10 min
Power supply	main power or generator	main power or generator	main power or generator	main power or generator	main power or generator
Airstar Light App Mesh network	yes	yes	yes	yes	no
Weight					
Weight of the balloon only	5,6 kg - 12 lbs	6,5 kg - 14 lbs	8,6 kg - 18 lbs	9,4 kg - 20 lbs	17 kg - 37 lbs

* Under normal conditions of use

IP54





.....

www.airstar-light.com

.....

