

100%

CONFORM

ISO 3059
ASTM E3022-15
RRES90061
AITM6-1001-11
NADCAP

CERTIFICATE OF
CONFORMITY



WITH
EACH LAMP



S-LED

UV LED LAMP

A NEW GENERATION IS BORN !

- Resistant to chemical product
- Battery or power operated
- Robust and Reliable



WARRANTY

2
YEARS

IP68



Many accesories available

www.srem.fr

Version 3 - September 2018

Different versions of the S-LED projector have been developed either on batteries or sector. 1 is conform to every aerospace requirement (ASTM E3022-15 / ISO 3059 / NADCAP / AITM6-1001-11 / RRES90061) , 1 without filter for the other NDT applications, including leak detection with fluorescent tracer.



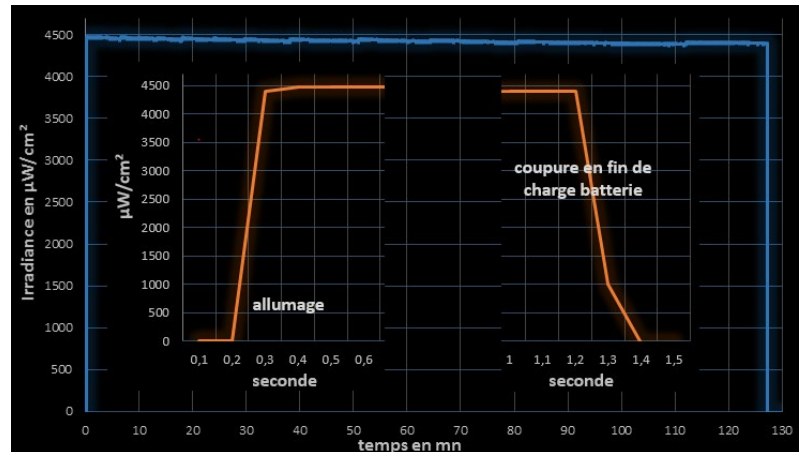
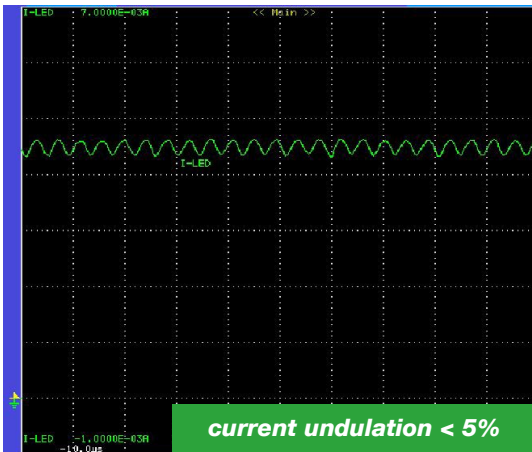
Properties	S-LED sector		S-LED sector / battery **	
	31S-LED365S-45	31S-LED365S-65	31S-LED365B-45	31S-LED365B-65
Wavelength 365 nm $\pm$ 5 m	✓	✓	✓	✓
Irradiance (μ W/cm ² - 381 mm)	4000 μ W/cm ²	6000 μ W/cm ²	4000 μ W/cm ²	6000 μ W/cm ²
Visible Emission < 5 lux	✓	✓	✓	✓
White Light > 1100 lux	✓	✓	✓	✓
White Light	4000 K	4000 K	4000 K	4000 K
4 UV-A Leds + 2 whites LED	✓	✓	✓	✓
Filter (no reflexion)	✓		✓	
Waterproof	IP68	IP68	IP68	IP68
Weight	600 g		800 gr	
baterry life (>2 heures)			✓	✓
Size	120 x 200 x Ø 100 mm			
Lamp cord Lenght 5 m*	✓	✓	✓	✓
Conformity ISO 3059	✓	✓	✓	✓
Conformity ASTM E3022-15 / ISO 3059 / NADCAP AITM6-1001-11 / RRES90061	✓		✓	
UV-A Leds + White LED simultaneous	✓	✓	✓	✓
Timed fonctioning	✓	✓	✓	✓

* other lenght on request -- **Warranty 6 months --

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NADCAP - AIRBUS AITM6-1001 Issue 11 - ASTM E-3022-15 - Pratt Whitney
FPM Master - EN ISO 3059:2013-03 - ROLLS-ROYCE RRES 90061

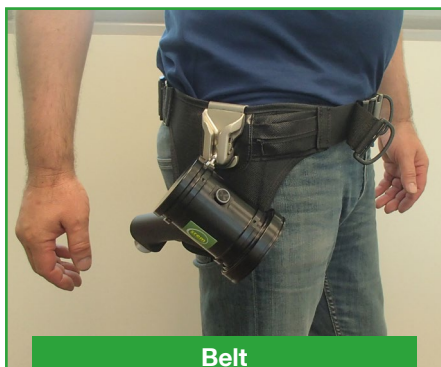


ADVANTAGES



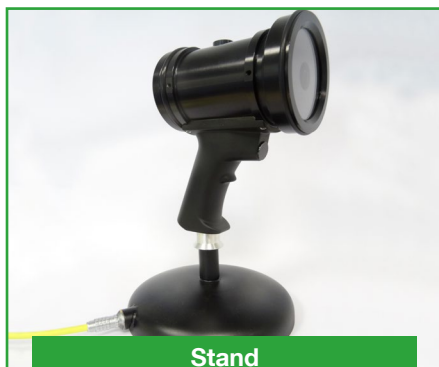
- undulation of the LED's current is less than 5% and assimilated to a continuous current, which is requested by ASTM and AITM.
- Advantage : No stroboscopic effect so better durability of the LEDs.
- Control of the irradiance power:
 - Irradiance stability shortly after turning it on (<3%)
 - Fitting of the power supply according to the LED's temperature
 - No loss of power when using the battery
 - Permanent control of the current intensity with lights for defectsts
- Waterproof according to IP68, resilient to petroleum products, grease remover, passivation.
- Insensitive to electromagnetic fields of an Magnetic Particle Inspection bench (whatever the current form) or demagnetizer
- Reliable and strong design, raw material and components coming from the industry.
- You can have both UV light and white light switched on at the same time to remove any doubt
- Timed functioning:
 - Increases the life span of the lamp
 - First push : 5mn
 - Second push : 100mn
 - After the functioning light switches off, if you wait more than 3 seconds and do a pressure the lamp switches off.
- Pressure switch supporting 50 million pushes
- No risk of switching the white light instead of UV thanks to the remoteness of the switches from one another
- No functioning light while inspecting to avoid confusing the operator's vision
- Cooling down by natural convection
- A microprocessor manages the lamp and the battery
- Cable is resilient to chemicals
- Still working at 100% of its capacity at 30 degrees. Made to be used up to 50 degrees.
- Automatically switches off when high temperatures are detected to protect itself and the operator
- Option : Supply of the values

A wide range of accessories (belt, extension cable, reloading stand, external battery, articulated arm, suitcase, universal fastening kit, and adaptor for camera) allows for filling any needs while making the control easier and improving the operator's comfort.



Belt
(31ACCEIN365)

Discreet and light adjustable belt for more comfort. You can firmly attach the battery model without any fall risk thanks to the security system. It gives the operator the possibility to move freely.



Stand
(31STACH365)

You can put and recharge the battery by connecting the lamp to the base of the power cabled stand. When empty the recharge time is 4 hours.



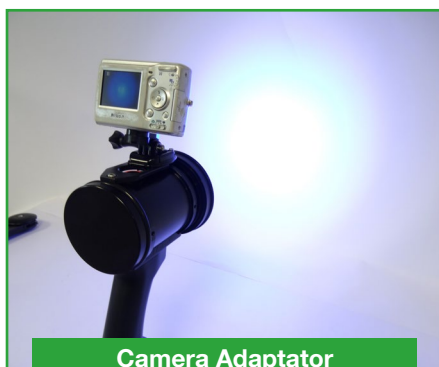
Suit Case
(31VALED365)

Solid and light, you can put the lamp inside for secured transportation



External Battery
(31PBATEX365)

Ultra-flat and light, it gives the lamp more autonomy, up to 8 hours in continuous supply



Camera Adaptator
(31SUPVID365)

You can attach a camera on the hull, very useful for expert assessment with documentation



Articulated Arm
(31BRAART365)

You can maintain the lamp in a fixed position. Quick fastening and unfastening



Fixing Kit
(31KITAC365)

You do not know where to put your lamp ? We have the solution for hanging and fixing it so it is close to hand



Spot Lamp
(soon)

Lamp without handle on articulated arm. Performance is identical to S-LED lamps. No timed functioning



Aerosol support
(31SUPAER365)

Light and spray with one hand ! Easy fastening and unfastening



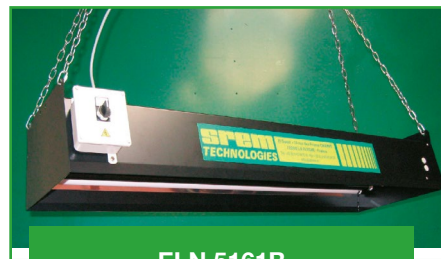
ELN 3061E

UV-A tubes for Penetrant Testing and Magnetic Particle Inspection - Waterproof - Ideal for the rinse tank in penetrant testing.
3 UV-A tubes - Lenght 600mm - White Light in option.



ELN 5061B

UV-A tubes for Penetrant Testing and Magnetic Particle Inspection -
5 UV-A tubes + 1 White Light tube - Lenght 600mm



ELN 5161B

UV-A tubes for Penetrant Testing and Magnetic Particle Inspection -
5 UV-A tubes + 1 White Light tube - Lenght 1200mm