FICHE TECHNIQUE ACCESSOIRE

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projecteur
PF510 UV LED

GENERALITY :

Penetrant testing and magnetic fluorescent tests require a control of the lighting conditions.
For Penetrant testing and magnetic particle, the test surface UV-A irradiance received, must be :

- Greater than 10 W / m² (1000 mW / cm ²) according to standards NF EN ISO 3059, EN ISO 9934 - NF EN ISO 3452
- Greater than 15 W / m² (1500 mW / cm ²) according to the specifications (air and railway).

The Levels of visible light must be less or equal to 20 lux.

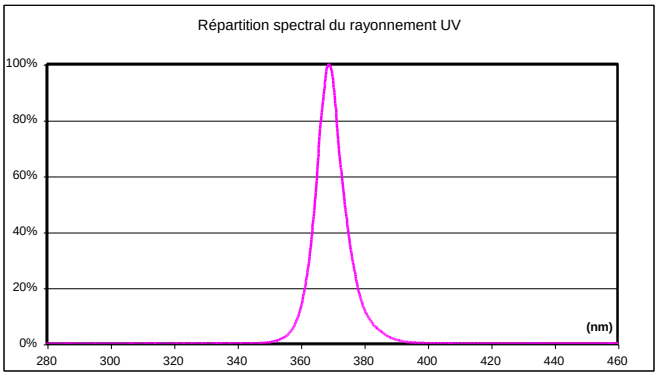
FEATURES

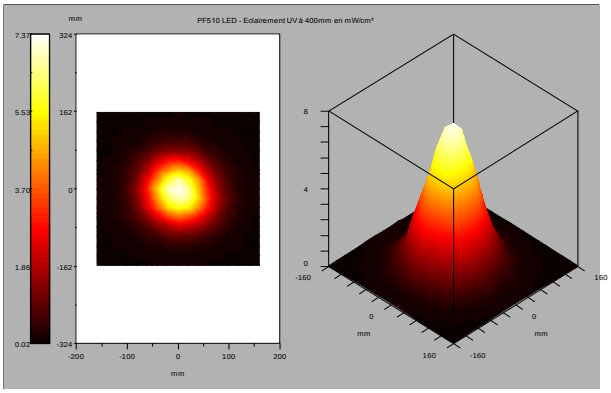
This projector can not be used at full power (position 0) during a too long time, for thermal reasons. Its Power is adapted to protect thermally the equipment. Yet, this is reversible and full power returns after cooling.
For intermittent use, the problem does not happen. Put on position 1 or 2, the power is reduced sufficiently to allow stable operation over time at 20 ° C (at room temperature).

TECHNICAL DATAS

Cooling type	Ventilation forcée
Power (projector) Mains supply (supplies)	6 VDC 3,7A Input : 100 – 240V – 0,7A max 50/60 Hz Output : 24V - 1,5A max
Overall Dimensions L x ø (excluding handle) cable length	170 X 110 mm 5 m
Gross Weight Equipment	Projector1 kg
Maximum irradiance (new) (1)	Pos. 0 = 7700 – Pos. 1 = 2300 – Pos. 2 = 4100 µW/cm²
Wavelength (peak)	365 nm +/- 3 nm
Max. level of visible light (new) (1)	0,7 lux for the 3 positions
Illuminated surface at a distance of 400 mm in mW / cm ²	See, Curve below
Life LED	> 10 000 h
White Lighting (new) (1)	> 6000 lux, Switch on the side of the handle.

(1) For a distance of 400 mm





SREM Technologies se réserve le droit de toutes modifications.

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SPECIFIC

Anti-glare filter, Waterproof IP 53

OPTION

BRIEFCASE

RECOMMENDED

Directive 2006/25/EC on 5th of April 2006 regarding the evolution of risks from artificial optical radiation has been transposed into French law by Decree 2010-750 of 2 July 2010.

To comply with the limits for exposure to UV radiation values, it is recommended to follow the safety rules below :

- Wear fluorescent UV-absorbing eyewear suitable for non-destructive testing Penetrant or Magnetic (White)
- Wear protective clothing and long, but not fluorescent
- Avoid a direct view of the light source, especially in the case of using projectors.

It is the responsibility of the enduser to ensure that the implementation of lighting is applied according to the rules of the Directive, depending on the specifications of its production.

WHY USING HEADLAMP LED LIGHTING ?

The new LED headlamps replace conventional projectors with mercury vapor bulb.

Benefit of using the headlamps LED lighting

- Lower weight about 400 grams.
- No electrical hazard (operating voltage of 6.5 V maximum)
- No hot spot (no risk of burning)
- UV-A intensity maximum, since the ignition of the light (no warm-up time)
- Light source centered on the UV-A (no UV-C and UV-B)
- Very low stray light source (white light)
- Power consumption up to 10 times lower.
- Unit with 1 year warranty - parts and labor.
- Light source (LED) warranty 10,000 hours of operation.