

## GENERAL:

It is necessary to check the illumination conditions in order to carry out dye penetration tests and fluorescent magnetic particle inspection in order to see the readings correctly.

For dye penetration test, and for magnetic particle inspection, the irradiance received by the surface under inspection must be:

- greater than 10 W/m<sup>2</sup> (1000 μW/cm<sup>2</sup>) according to standards NF EN ISO 3059-NF EN ISO 9934 - NF EN ISO 3452
- greater than 15 W/m<sup>2</sup> (1500 μW/cm<sup>2</sup>) according to specific specifications (aeronautics and railways)

The levels of visible ambient light must be less than or equal to 20 lux.

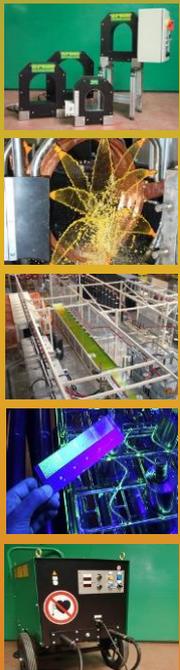
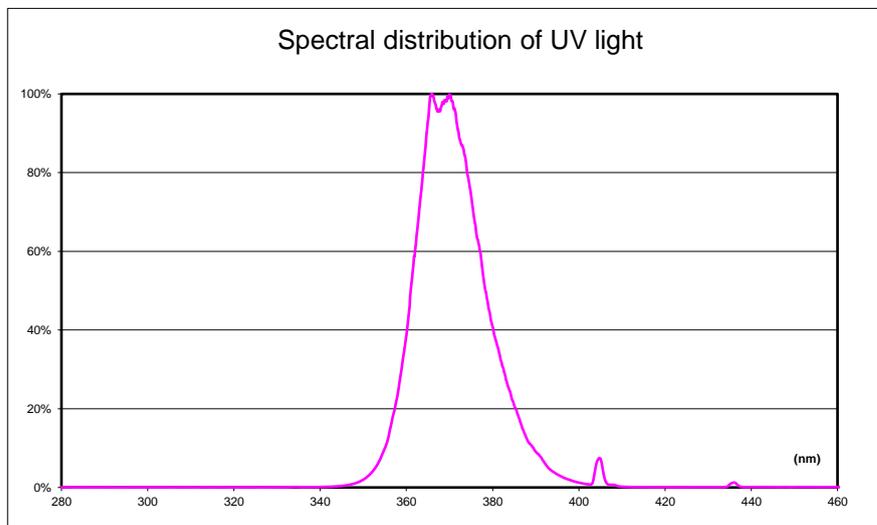


5 tubes UV - 1 tube blanc - longueur 600

## TECHNICAL DATAS :

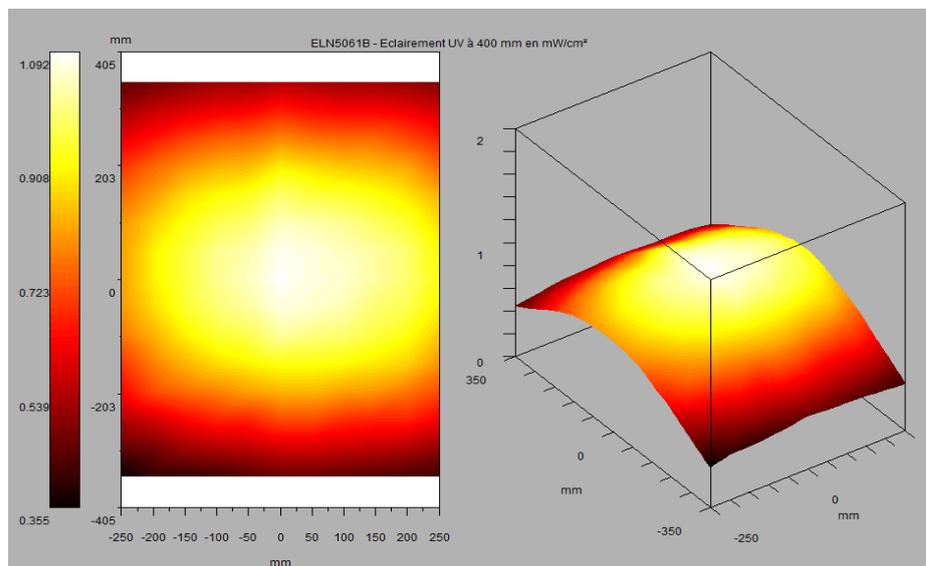
Frame temperature/illuminating area after 1 hour	42°C / 60°C
Type of cooling	-
Electrical power supply	230 V AC
Voltage	
Phase (1)	PNT
Frequency	50 Hz
Current	1,3 A
Overall dimensions (L x W x H) excluding control unit	700 x 410 x 200 mm
Equipment mass	19 kg
Typical irradiance after 15 min (2)	10 W/m <sup>2</sup>
Typical irradiance after 200 hours (2)	8,8 W/m <sup>2</sup>
Typical level of visible light after 15 min (2)	< 5 lux
Typical irradiance after 200 hours (2)	< 5 lux
Illuminated area at a distance of 400 mm in mW/cm <sup>2</sup>	Curve below

Spectral distribution of UV light



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## FEATURES:

- IP 20 sealing
- 3-position switch on the front panel for selection UV - 0 - white
- Connection box
- Suspension chains

## OPTIONS / SPARE PARTS :

- 5 x 18 W UVA tubes, length 600 mm
- 1 x 18 W white tube, length 600 mm

## RECOMMENDATION:

Directive 2006/25/EC of 5 April 2006 concerning changes in the risks relating to artificial optical radiation was transposed into French Law by Order 2010-750 of 2 July 2010.

To comply with the limit values concerning exposure to UV radiation, it is recommended to adhere to the following rules:

- wear anti-UV goggles suitable for non-destructive testing by magnetic particle inspection or fluorescent dye penetration (white)
- Wear long clothing giving good body cover. Do not wear fluorescent clothing
- avoid looking directly into the light source, particularly if you are using floodlights

It is the final user's responsibility to ensure the lighting, according to his production constraints, complies with the application principle of the Directive.



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