

# CatRayon

*CatRayon* is software for assessing exposure to optical radiation in the workplace, intended for prevention specialists.

*CatRayon* includes a database of about 400 optical radiation sources (lamps, furnaces, welding arcs, etc.) and about 100 protection filters. It allows:

- exposure assessment of employees at fixed or moving workstations, based on Exposure Limit Values (ELV) defined by the European Directive [2006/25/EC](#);
- performance of risk mapping in a working area;
- defining or proposing efficient collective and personal protective filter;
- editing an analysis report recording all the results.

An independent input module *MesSourcesCatRayon* complements the software and allows the user for creating his own sources based on his measurements.

A detailed user guide in pdf format as well as a summary of the functionalities are attached to the software.

Features added to version 5 of *CatRayon*:

- Creating generic sources: lamp+reflector or ovens, whose characteristics are defined by the user,
- Assessing risks quickly in a simple configuration: A source and an observer.
- Possibility of also assessing risks according to the Exposure Limits recommended by the [ICNIRP in 2013](#).
- Consideration of the acceptance angles recommended by the ICNIRP for calculating exposures and risk assessment.
- Support for 2 additional languages German and Spanish.

Contact form: [CatRayon@inrs.fr](mailto:CatRayon@inrs.fr)

<b>Nature</b>	Software to download.
<b>User mode</b>	Software to download in ZIP format (CatRayon V5.0.0.0), decompress and install on your workstation. Runs on PC under Windows
<b>Languages</b>	French, English, German and Spanish.