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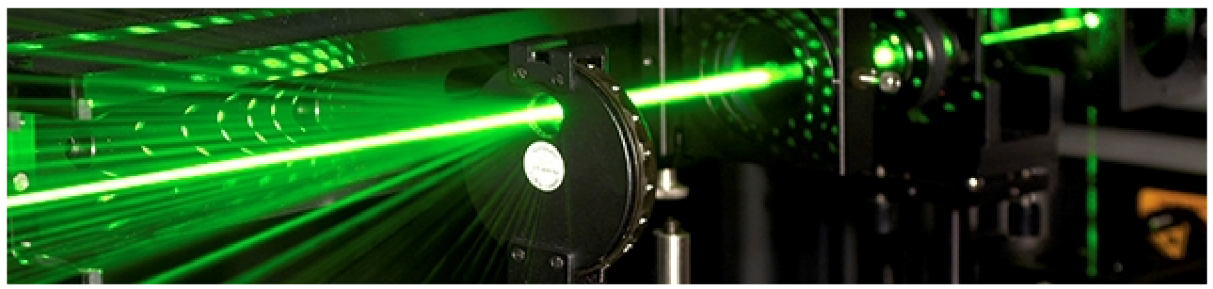

Laser, LED & Lamp Safety / Newsletter 2025/01

Update of White Paper on AEL analysis of laser scanners

We have updated our White Paper on the AEL analysis of laser scanners as extended source. The section on the analysis of pulse groups now accounts for the simplification given in the Interpretation Sheet 1 ISH1 to IEC 60825-1. This White Paper is not only relevant for the analysis of time-varying retinal images, but also generally for the classification of extended sources in compliance with IEC 60825-1.

>> Link to our download section

IEC 62471-7: Interpretation Sheet

An interpretation sheet ISH1:2025 was published for IEC 62471-7 “Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation”. The ISH1 clarifies wording related to the retinal thermal hazard, which is somewhat confusing in the standard. The project was initiated by our Dr. Karl Schulmeister, and he was the task group leader for the development of the ISH. He would have preferred a somewhat longer ISH, covering some other potentially unclear wording, but the decision of IEC TC 34 was to keep it to the absolute minimum.

Our accredited test house is happy to offer testing of lamps or luminaires based on IEC 62471-7, including under the IECEE scheme (CBTL scheme). The original Test Report Form has been corrected, based on our input.

>> Link to download the ISH1

Chinese mandatory standard GB 44703

At the IEC TC 76 meeting in France, the Chinese delegation kindly gave a presentation on GB 44703, the Chinese mandatory standard for the safety of laser and optical broadband radiation, which becomes mandatory on 1 Oct. 2026. We have permission to share this presentation - please feel free to request it with an email to laser-led-lamp-safety@s-l.at.

>> This website provides a download button (orange)

Since the Download of the document GB 44703 apparently does not always work, please feel free to also request the document.

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