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# Non-destructive testing — Industrial radiographic illuminators — Minimum requirements

*Essais non destructifs — Négatoscopes utilisés en radiographie industrielle — Exigences minimales*



Reference number  
ISO 5580:2023(E)

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## Foreword

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This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiographic testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 5580:1985), which has been technically revised.

The main changes are as follows:

- normative references added to [Clause 2](#);
- exact specification for luminance measurement equipment required ([4.3](#));
- statements on luminance control of illuminators added ([4.3](#));
- range of permitted light colours has been added ([4.4](#));
- “Lamps” replaced by “Light sources”, so that LEDs can be used too ([7](#));
- “Film density” was replaced by “optical density” throughout the document;
- minor editorial corrections.

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