



International

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ISO 11145

**Optics and photonics — Lasers
and laser-related equipment —
Vocabulary and symbols**

*Optique et photonique — Lasers et équipements associés aux
lasers — Vocabulaire et symboles*

**Sixth edition
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This sixth edition cancels and replaces the fifth edition (ISO 11145:2018), which has been technically revised.

The main changes are as follows:

- the term “power density” was replaced by “irradiance” and “energy density” was replaced by “fluence”.
- the word “radiant” was added to clarify terms for power and energy.
- “encircled-power” was added to terms [3.3.1](#), [3.4.1](#), [3.5.1](#), [3.6.1](#), [3.7.4](#), [3.7.6](#), [3.7.8](#) and [3.8.1](#).
- term and definition [3.5.3](#) “principal axis” was newly added.

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