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OPTIKA JA FOTOONIKA. LASERID JA LASERIGA SEONDUVAD SEADMED. SÕNAVARA JA SÜMBOLID

Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols (ISO 11145:2016)

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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NATIONAL FOREWORD

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See Eesti standard EVS-EN ISO 11145:2016 sisaldab Euroopa standardi EN ISO 11145:2016 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 11145:2016 consists of the English text of the European standard EN ISO 11145:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 30.03.2016.	Date of Availability of the European standard is 30.03.2016.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 01.040.31, 01.080.40, 31.260

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11145

March 2016

ICS 01.080.40; 01.040.31; 31.260

Supersedes EN ISO 11145:2008

English Version

Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols (ISO 11145:2016)

Optique et photonique - Lasers et équipements associés aux lasers - Vocabulaire et symboles (ISO 11145:2016)

Optik und Photonik - Laser und Laseranlagen - Begriffe und Formelzeichen (ISO 11145:2016)

This European Standard was approved by CEN on 19 September 2015.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Ref. No. EN ISO 11145:2016 E

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European foreword

This document (EN ISO 11145:2016) has been prepared by Technical Committee ISO/TC 172 "Optics and photonics" in collaboration with Technical Committee CEN/TC 123 “Lasers and photonics” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 11145:2008.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 11145:2016 has been approved by CEN as EN ISO 11145:2016 without any modification.

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Annex ZA
(informative)
Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC on machinery

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC on machinery.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and EU Directive 2006/42/EC on machinery

Clauses and subclauses of this European standard	Essential Requirements (ERs) of EU Directive 2006/42/EC	Qualifying remarks/Notes
3	1.5.10	
3	1.5.12	

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Symbols and units of measurement ... **1**

3 Terms and definitions ... **2**

3.1 Beam axis ... 3
3.2 Beam cross-sectional area ... 3
3.3 Beam diameter ... 3
3.4 Beam radius ... 4
3.5 Beam widths ... 5
3.11 Beam waist diameters ... 7
3.12 Beam waist radius ... 7
3.13 Beam waist widths ... 7
3.14 Beam waist separation ... 8
3.19 Divergence angles ... 9

Annex A (informative) **Explanation of the difference in terminology between IEC 60825-1 and ISO 11145** ... **15**

Annex B (informative) **List of symbols** ... **16**

Annex C (informative) **Alphabetical index** ... **17**

Bibliography ... **19**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 9, *Electro-optical systems*.

This fourth edition cancels and replaces the third edition (ISO 11145:2006) which has been technically revised with the following changes:

a) in 3.5.3, a formula for beam ellipticity has been added;

b) in 3.53, the definition of relative intensity noise has been revised and a formula was added.

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