SLOVENSKI STANDARD
SIST EN 61341:2011

01-oktober-2011

Merilne metode za intenzivnost osrednjega snopa in kot(i) snopa reflektorskih sijalk (IEC/TR 61341:2010)

Method of measurement of centre beam intensity and beam angle(s) of reflector lamps (IEC/TR 61341:2010)

Verfahren zur Messung der Axial-Lichtstärke und des (der) Ausstrahlungswinkel(s) von Reflektorlampen (IEC/TR 61341:2010)

Méthode de mesure de l'intensité dans l'axe du faisceau et de l'angle (ou des angles) d'ouverture des lampes à réflecteur (CEI/TR 61341:2010)

Ta slovenski standard je istoveten z: **EN 61341:2011**

ICS:

17.180.20	Barve in merjenje svetlobe	Colours and measurement of light
29.140.01	Žarnice na splošno	Lamps in general

SIST EN 61341:2011 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61341

July 2011

ICS 29.140.20

English version

Method of measurement of centre beam intensity and beam angle(s) of reflector lamps
(IEC/TR 61341:2010)

Méthode de mesure de l'intensité dans l'axe du faisceau et de l'angle (ou des angles) d'ouverture des lampes à réflecteur
(CEI/TR 61341:2010)

Verfahren zur Messung der Lichtstärke in Hauptausstrahlungsrichtung und des (der) Ausstrahlwinkel(s) von Reflektorlampen
(IEC/TR 61341:2010)

This European Standard was approved by CENELEC on 2011-07-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC
European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of the International Standard IEC/TR 61341:2010, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 61341 on 2011-07-04 without any modification.

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The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2012-07-04
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-07-04

Endorsement notice

The text of the International Standard IEC/TR 61341:2010 was approved by CENELEC as a European Standard without any modification.

IEC/TR 61341

Edition 2.0 2010-02

TECHNICAL REPORT

RAPPORT TECHNIQUE

Method of measurement of centre beam intensity and beam angle(s) of reflector lamps

Méthode de mesure de l'intensité dans l'axe du faisceau et de l'angle (ou des angles) d'ouverture des lampes à réflecteur

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METHOD OF MEASUREMENT OF CENTRE BEAM INTENSITY AND BEAM ANGLE(S) OF REFLECTOR LAMPS

FOREWORD

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IEC 61341, which is a technical report, has been prepared by subcommittee 34A: Lamps, of IEC Technical Committee 34: Lamps and related equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
34A/1340/DTR	34A/1371/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This second edition cancels and replaces the first edition published in 1994 and constitutes a technical revision.

Due to the increasing use of reflector equipped LED lamps, the scope has been broadened and measurement conditions been included in order to take account of these lamps. Further, for easier understanding of the relation between the different axis and different intensities, two figures have been added. The luminous intensity distribution shall be reported instead of the centre beam intensity, if the latter is very low (“butterfly” distributions).

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

While the light output of lamps is normally characterized by the luminous flux, for reflector lamps it is characterized by the centre beam intensity together with the beam angle(s).

This Technical Report gives guidance with regard to the measurement and interpretation of these two basic characteristics of reflector lamps in order to allow the comparability of reported values.

The adopted principles may help to classify lamps into beam angle groups; they are not intended for the assessment of individual lamps.

For additional information, the reader is referred to the CIE Technical Report No 43, describing the photometric characteristics of floodlight luminaires.