

BS EN 61341:2011



BSI Standards Publication

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

bsi.

...making excellence a habit.
AVA Documents™
Document Sharing Hub

National foreword

This Published Document is the UK implementation of EN 61341:2011. It is identical to IEC/TR 61341:2010. It supersedes PD IEC/TR 61341:2010, which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/1, Electric lamps.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© BSI 2011

ISBN 978 0 580 74261 3

ICS 29.140.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 March 2010.

Amendments/corrigenda issued since publication

Date	Text affected
31 August 2011	This corrigendum rennumbers PD IEC/TR 61341:2010 as BS EN 61341:2011

**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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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.

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

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.

CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Terms and definitions	7
3 Basic beam patterns	8
4 General conditions for measurement	8
5 Test arrangement	8
6 Measuring procedure.....	9
7 Specification of centre beam intensity and beam angle(s).....	10
Bibliography.....	11
Figure 1 – Relation between optical beam axis, geometrical-mechanical axis, peak intensity and centre beam intensity	7
Figure 2 – Measurement of luminous intensity distribution	10
Figure 3 – Case where the centre beam intensity is smaller than 50 % of the peak intensity	10