



**SLOVENSKI STANDARD**  
**SIST EN 62384:2007/A1:2009**  
**01-november-2009**

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DC or AC supplied electronic control gear for LED modules - Performance requirements  
(IEC 62384:2006/A1:2009)

Gleich- oder wechselstromversorgte elektronische Betriebsgeräte für LED-Module -  
Anforderungen an die Arbeitsweise (IEC 62384:2006/A1:2009)

Appareillages électroniques alimentés en courant continu ou alternatif pour modules de  
DEL - Exigences de performances (IEC 62384:2006/A1:2009)

<https://standards.iteh.ai/catalog/standards/sist/949b5c8-6848-4072-81f0-57a36067f825/sist-en-62384-2007-a1-2009>

**Ta slovenski standard je istoveten z: EN 62384:2006/A1:2009**

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**ICS:**

29.140.99	Drugi standardi v zvezi z žarnicami	Other standards related to lamps
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<b>SIST EN 62384:2007/A1:2009</b>	<b>en,fr</b>
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[SIST EN 62384:2007/A1:2009](https://standards.iteh.ai/catalog/standards/sist/f949b5c8-6848-4072-81f0-57a36067f825/sist-en-62384-2007-a1-2009)

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62384/A1**

September 2009

ICS 29.140.99; 31.080.99

English version

**DC or AC supplied electronic control gear for LED modules -  
Performance requirements  
(IEC 62384:2006/A1:2009)**

Appareillages électroniques  
alimentés en courant continu ou alternatif  
pour modules de DEL -  
Exigences de performances  
(CEI 62384:2006/A1:2009)

Gleich- oder wechselstromversorgte  
elektronische Betriebsgeräte  
für LED-Module -  
Anforderungen an die Arbeitsweise  
(IEC 62384:2006/A1:2009)

**iTeh STANDARD PREVIEW**

This amendment A1 modifies the European Standard EN 62384:2006; it was approved by CENELEC on 2009-08-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, 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

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 34C/869/CDV, future amendment 1 to IEC 62384:2006, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 62384:2006 on 2009-08-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-08-01

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## Endorsement notice

The text of amendment 1:2009 to the International Standard IEC 62384:2006 was approved by CENELEC as an amendment to the European Standard without any modification.

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[SIST EN 62384:2007/A1:2009](https://standards.iteh.ai/catalog/standards/sist/f949b5c8-6848-4072-81f0-57a36067f825/sist-en-62384-2007-a1-2009)

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IEC 62384

Edition 1.0 2009-07

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

DC or AC supplied electronic control gear for LED modules – Performance requirements

(standards.iteh.ai)

Appareillages électroniques alimentés en courant continu ou alternatif pour modules de DEL – Exigences de performances

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

C

ICS 29.140.99; 31.080.99

ISBN 2-8318-1052-9

## FOREWORD

This amendment has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

The text of this amendment is based on the following documents:

CDV	Report on voting
34C/869/CDV	34C/889/RVC

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result 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.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

### Annex A – Tests

SIST EN 62384:2007/A1:2009

#### A.2 Measurement of capacitive load current (Figures A.1a and A.1b)

57a36067f825/sist-en-62384-2007-a1-2009

Replace the existing Figure A.1 by the following new figure:

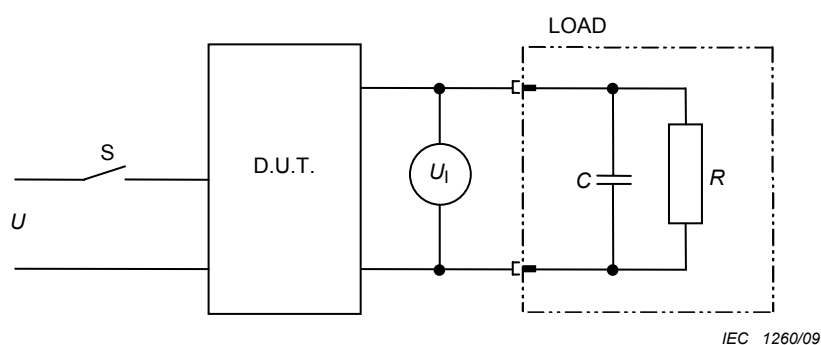
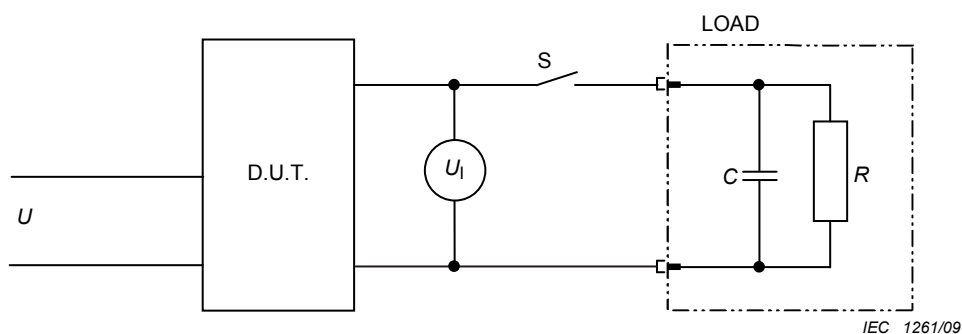


Figure A.1a – Test circuit for current during the starting process



**Figure A.1b – Test circuit for current when connecting the load during the steady state operation**

**Key to Figures A.1a and A.1b**

$U$ : Supply 50 Hz (60 Hz)

$U_l$ : Load voltage

D.U.T.: Control gear under test

S: Switch

R: Resistor which gives the nominal output current of the D.U.T.

For voltage sources:  $R = U_l^2 / P_{\max}$

For current sources:  $R = P_{\max} / I^2$

C: Suitable capacitor

For control gear intended to drive the LED module which includes a logic circuitry

a) for voltage sources:  $C = 20 \mu\text{F}/\text{A}$

b) for current sources:  $C = 400 \mu\text{F}$

For control gear intended to drive the LED module which does not include a logic circuitry

c) for voltage sources:  $C = 1 \mu\text{F}/\text{A}$

d) for current sources:  $C = 1 \mu\text{F}$

LOAD: Equivalent load for the LED module

**Figure A.1 – Test circuit for the current when connecting a load**