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SANS 62384:2008

Edition 1 and IEC amdt 1

IEC 62384:2006

Edition 1 and amdt 1

SOUTH AFRICAN NATIONAL STANDARD

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

This national standard is the identical implementation of IEC 62384:2006 and IEC amendment 1, and is adopted with the permission of the International Electrotechnical Commission.

**WARNING — Can only be used
in conjunction with
SANS 61347-2-13.**

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Table of changes

Change No.	Date	Scope
IEC amdt 1	2009	Amended to replace figures in the test for the measurement of capacitive load current.

National foreword

This South African standard was approved by National Committee SABS/TC 064/SC 01, *Lighting and optics – Lamps/light sources and auxiliaries*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in March 2010. This SANS document supersedes SANS 62384:2008 (edition 1).

**Reaffirmed and reprinted in August 2015.
This document will be reviewed every five years
and be reaffirmed, amended, revised or withdrawn.**



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

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

INTERNATIONAL
ELECTROTECHNICAL
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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.

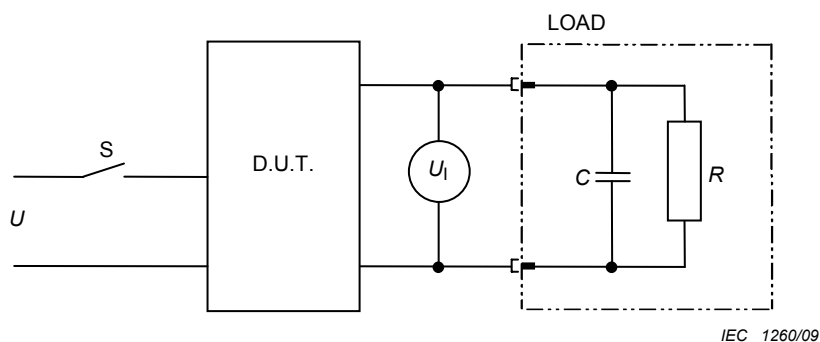
The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

Annex A – Tests

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

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



IEC 1260/09

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

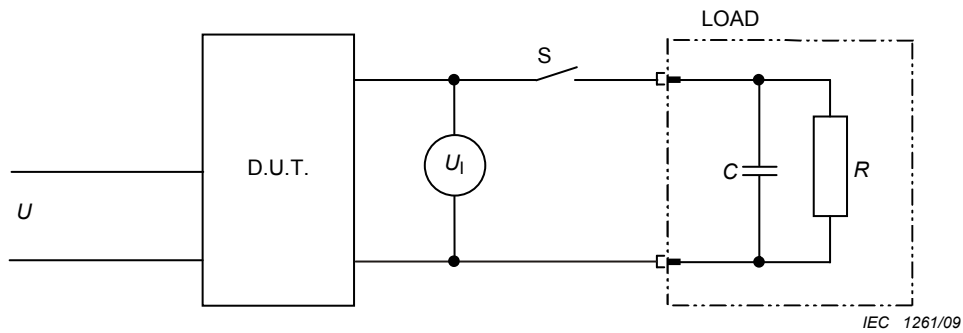


Figure A.1b – Test circuit for current when connecting the load during the steady state operation

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

U : Supply 50 Hz (60 Hz)

U_i : 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: $R = U_i^2 / P_{\max}$

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