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SANS 60081:2006

Edition 2.3 and IEC amdts 4, 5, nat. amdt 1

SOUTH AFRICAN NATIONAL STANDARD

Double-capped fluorescent lamps — Performance specifications

This national standard is the modified adoption of IEC 60081:2005, and is adopted from the International Electrotechnical Commission.

WARNING

This document references other documents normatively.

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Table of changes

Change No.	Date	Scope
IEC amdt 1	2000	Amended to replace the title page, to add lamp requirements and to replace and add new data sheets.
IEC amdt 2	2003	Amended to change the introductory paragraph of the normative references, the marking requirements for lamps, and a note to the requirements for ballasts, to add the measurement procedure for the determination of maximum luminous flux of lamps, and to replace data sheets.
IEC amdt 3	2005	Amended to replace data sheets.
IEC amdt 4	2010	Amended to replace pages and data sheets.
Nat. amdt 1	2012	Amended to include an energy efficiency rating label.
IEC amdt 5	2013	Amended to replace pages and data sheets, to update referenced standards, to add definitions, to include requirements for lumen maintenance, to add requirements for marking, to add information for ballast starter design and luminaire design, and to update the annex on method of test for electrical, photometric and cathode characteristics.

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 document was approved for publication in April 2016.

This document supersedes SANS 60081:2006 (edition 2.3 as modified by IEC amdt 4:2010 and nat. amdt 1:2012).

To encourage users to replace incandescent lamps with more energy efficient lamps, committee SABS/TC 064/SC 01 decided to modify the international standard IEC 60081 to include energy efficiency requirements suitable for South African conditions.

The international standard allows the manufacturer to select his own ratings and the lamps are then tested to those ratings. The national modifications are given in national annex FF (inserted after annex F).

This annex (annex FF) includes the energy labelling of various lamp types. The technical provisions of the annex were obtained from the European Directives 1998/11/EC.

Compliance with a standard cannot confer immunity from legal obligations.



IEC 60081

Edition 5.0 2013-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 5 AMENDEMENT 5

The sheets contained in this amendment are to be inserted in IEC 60081
Les feuilles de cet amendement sont à insérer dans la CEI 60081

Double-capped fluorescent lamps – Performance specifications

Lampes à fluorescence à deux culots – Prescriptions de performance

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

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FOREWORD

This amendment has been prepared by subcommittee 34A: 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
34A/1602/CDV	34A/1644/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 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.
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**INSTRUCTIONS POUR L'INSERTION DES
NOUVELLES PAGES ET FEUILLES
DE CARACTÉRISTIQUES DANS LA
PUBLICATION 60081**

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1. Retirer la page de titre existante, les pages I-3, I-7, I-9, B9, B11 et insérer la nouvelle page de titre, les nouvelles pages I-3, I-7, I-9, B9, B11.
 2. Remplacer les feuilles de caractéristiques :

1020-2 (page 1) et 1020-1 (pages 2/3)
par 1020-3 (pages 1/2/3)
1030-2 (page 1) et 1030-1 (pages 2/3)
par 1020-3 (pages 1/2/3)
1040-2 (page 1) et 1040-1 (pages 2/3)
par 1040-3 (pages 1/2/3)
1060-2 (page 1) et 1060-1 (pages 2/3)
par 1060-3 (pages 1/2/3)
2120-1 (pages 1/2/3)
par 2120-2 (pages 1/2/3)
2215-1 (pages 1/2/3)
par 2215-2 (pages 1/2/3)
2220-1 (pages 1/2/3)
par 2220-2 (pages 1/2/3)
2320-1 (pages 1/2/3)
par 2320-2 (pages 1/2/3)
2415-1 (pages 1/2/3)
par 2415-2 (pages 1/2/3)
2420-1 (pages 1/2/3)
par 2420-2 (pages 1/2/3)
2425-1 (pages 1/2/3)
par 2425-2 (pages 1/2/3)
2520-1 (pages 1/2/3)
par 2520-2 (pages 1/2/3)
2620-1 (pages 1/2/3)
par 2620-2 (pages 1/2/3)
6520-3 (page 1) et 6520-5 (page 2)
par 6520-6 (pages 1/2/3)
6530-3 (page 1) et 6530-5 (page 2)
par 6530-6 (pages 1/2/3)
6620-2 (page 1) et 6620-4 (page 2)
par 6620-5 (pages 1/2/3)
6640-3 (page 1) et 6640-5 (page 2)
par 6640-6 (pages 1/2/3)
6650-3 (page 1) et 6650-5 (page 2)
par 6650-6 (pages 1/2/3)
6730-2 (page 1) et 6730-4 (page 2)
par 6730-5 (pages 1/2/3)
6750-2 (page 1) et 6750-4 (page 2)
par 6750-5 (pages 1/2/3)
6840-3 (page 1) et 6840-4 (page 2)
par 6840-5 (pages 1/2/3)
6850-3 (page 1) et 6850-5 (page 2)
par 6850-6 (pages 1/2/3)
7220-1 (pages 1/2)
par 7220-2 (pages 1/2)
7420-1 (pages 1/2)
par 7420-2 (pages 1/2)
7520-1 (pages 1/2)
par 7520-2 (pages 1/2)

**INSTRUCTIONS FOR THE
INSERTION OF NEW PAGES
AND DATA SHEETS
IN PUBLICATION 60081**

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1. Remove existing title page, pages I-4, I-8, I-10, B10, B12 and insert in their places the new title page, pages I-4, I-8, I-10, B10, B12.
 2. Replace the lamp data sheets :

1020-2 (page 1) and 1020-1 (pages 2/3)
with 1020-3 (pages 1/2/3)
1030-2 (page 1) and 1030-1 (pages 2/3)
with 1020-3 (pages 1/2/3)
1040-2 (page 1) and 1040-1 (pages 2/3)
with 1040-3 (pages 1/2/3)
1060-2 (page 1) and 1060-1 (pages 2/3)
with 1060-3 (pages 1/2/3)
2120-1 (pages 1/2/3)
with 2120-2 (pages 1/2/3)
2215-1 (pages 1/2/3)
with 2215-2 (pages 1/2/3)
2220-1 (pages 1/2/3)
with 2220-2 (pages 1/2/3)
2320-1 (pages 1/2/3)
with 2320-2 (pages 1/2/3)
2415-1 (pages 1/2/3)
with 2415-2 (pages 1/2/3)
2420-1 (pages 1/2/3)
with 2420-2 (pages 1/2/3)
2425-1 (pages 1/2/3)
with 2425-2 (pages 1/2/3)
2520-1 (pages 1/2/3)
with 2520-2 (pages 1/2/3)
2620-1 (pages 1/2/3)
with 2620-2 (pages 1/2/3)
6520-3 (page 1) and 6520-5 (page 2)
with 6520-6 (pages 1/2/3)
6530-3 (page 1) and 6530-5 (page 2)
with 6530-6 (pages 1/2/3)
6620-2 (page 1) and 6620-4 (page 2)
with 6620-5 (pages 1/2/3)
6640-3 (page 1) and 6640-5 (page 2)
with 6640-6 (pages 1/2/3)
6650-3 (page 1) and 6650-5 (page 2)
with 6650-6 (pages 1/2/3)
6730-2 (page 1) and 6730-4 (page 2)
with 6730-5 (pages 1/2/3)
6750-2 (page 1) and 6750-4 (page 2)
with 6750-5 (pages 1/2/3)
6840-3 (page 1) and 6840-4 (page 2)
with 6840-5 (pages 1/2/3)
6850-3 (page 1) and 6850-5 (page 2)
with 6850-6 (pages 1/2/3)
7220-1 (pages 1/2)
with 7220-2 (pages 1/2)
7420-1 (pages 1/2)
with 7420-2 (pages 1/2)
7520-1 (pages 1/2)
with 7520-2 (pages 1/2)