

Lighting columns —

Part 8: Method for verification of structural design by testing

The European Standard EN 40-8 was given, as from 29 October 1982 the status of a British Standard and will replace the relevant requirements of BS 1308, BS 1840 and BS 3989 (see national foreword).

UDC 624.971:628.971:620.17

Cooperating organizations

The European Committee for Standardization, under whose supervision this European Standard was prepared, comprises the national standards organizations of the following Western European countries.

Austria	Oesterreichisches Normungsinstitut
Belgium	Institut belge de normalisation
Denmark	Dansk Standardiseringsraad
Finland	Suomen Standardisoimisliito, r.y.
France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Ireland	National Standards Authority of Ireland
Italy	Ente Nazionale Italiano di Unificazione
Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
Portugal	Instituto Português de Qualidade
Spain	Instituto Español de Normalización
Sweden	Standardiseringskommissionen i Sverige
Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

BS 5649 will be issued in Parts as they are completed and approved, and until the first nine Parts are published it will not be possible to supersede the present British Standards for lighting columns. As the Parts are issued recommendations will be given for their implementation together with a list of clauses in the existing standards which they will eventually supersede. It is hoped that a gradual change-over will be obtained which will terminate with the total withdrawal of the existing standards.

The British Standards affected by BS 5649-8 are BS 1308, BS 1840 and BS 3989, specifications for concrete, steel and aluminium street lighting columns respectively.

It is anticipated that the affected clauses in the existing standards will be withdrawn in accordance with the following timetable:

BS 1840 and BS 3989: One year from the publication of this Part of this standard

BS 1308: Three years from the date of the last Part published, of Parts 3 to 9 of this standard

BS 5649-8 covers some or all of the requirements also covered in the following clauses of the existing British Standards.

BS 1308

1.19 Age at test

2.4 Structural strength (type test) reinforced concrete

2.4.1 Column

2.4.2 Bracket

2.4.3 Requirement

3.7 Structural strength (type test) prestressed concrete

3.7.1 Column

3.7.2 Bracket

3.7.3 Requirement

Appendix B Structural test for columns

Appendix C Structural test for brackets

BS 1840

19 Maximum deflection

BS 3989

18 Deflection due to wind loads

19 Structural strength

Appendix B General arrangement for carrying out tests for deflection and structural strength

Appendix C Test for deflection due to wind loads

Appendix D Test of structural strength

It should be noted that the work on the further Part, dealing with special requirements for plastics columns and mentioned in the CEN foreword, is not now to proceed.

National appendix B relates to clause 3 of EN 40-8:1982.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.

Convention. In this European Standard the comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.