

Single burner gas-fired overhead radiant tube heaters and non-domestic gas-fired overhead luminous radiant heaters

Part 3. Requirements and test methods for establishing the rational use of energy — Radiometric method C

ICS 91.140.20

Committees responsible for this Draft for Development

The preparation of this Draft for Development was entrusted to Technical Committee GSE/20, Non-domestic space heaters (gas), upon which the following bodies were represented:

- British Combustion Equipment Manufacturers' Association
- British Gas plc
- Calor Gas Limited
- Chartered Institution of Building Services Engineers
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- LP Gas Association
- Society of British Gas Industries
- Co-opted member

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National foreword

This Draft for Development has been prepared by Technical Committee GSE/28 and is the English language version of European Prestandard ENV 1259-3 : 1996 *Single burner gas-fired overhead radiant tube heaters and non-domestic gas-fired overhead luminous radiant heaters — Part 3: Requirements and test methods for establishing the rational use of energy — Radiometric method*, published by the European Committee for Standardization (CEN).

Prestandard ENV 1259-3 was produced as a result of international discussion in which the UK took an active part.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature because the subject matter is still under technical development requiring wider exposure. It should be applied on this provisional basis, so that information and experience of its practical application may be obtained.

A review of this Draft for Development will be carried out not later than two years after its publication. Notification of the start of the review period with a request for the submission of comments from users of this Draft for Development will be made in an announcement in the appropriate issue of *Update Standards*. According to the replies received, the responsible committee will decide on what action should be taken.

Observations which it is felt should receive attention before the official call for comments will be welcomed. These should be sent to the Secretary of the BSI Technical Committee GSE/20 at the BSI London Office 389, Chiswick High Road, London W4 4AL.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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Descriptors: Gas appliances, heaters, radiant tubes, radiation, measurements, radiometry, thermal efficiency, tests

English version

Single burner gas-fired overhead radiant tube heaters and non-domestic gas-fired overhead luminous radiant heaters — Part 3: Requirements and test methods for establishing the rational use of energy — Radiometric method C

Tubes radiants suspendus à mono-brûleur au gaz et
appareils surélevés de chauffage à rayonnement
lumineux au gaz à usage non-domestique —
Partie 3: Exigences et méthodes d'essais pour la
détermination de l'utilisation rationnelle
d'énergie — Méthode radiométrique C

Dunkelstrahler mit einem Brenner und
kommerzielle Gasleucht-Deckenstrahlheizer —
Teil 3: Anforderungen und Prüfverfahren zur
Bestimmung der rationellen Verwendung von
Energie — Radiometrisches Verfahren C

This European Prestandard (ENV) was approved by CEN on 1996-08-31 as a prospective standard for provisional application. The period of validity of the ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard (EN).

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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CEN

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

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Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 180, Non-domestic gas-fired overhead radiant heaters, the secretariat of which is held by BSI.

Other equivalent methods of efficiency determination, method A and method B, are available in ENV 1259-1 and ENV 1259-2.

This ENV should not be used for direct comparison of radiant efficiency between radiant tube heaters and luminous radiant heaters because the accuracy of the measurement differs for each type of heater when using this method.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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