

Method for measurement of

Radio interference terminal voltage of lighting equipment

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- Institution of Electronic and Radio Engineers
- Lighting Industry Federation Ltd.
- National Air Traffic Services
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This British Standard, having been prepared under the direction of the General Electrotechnical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1983

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Foreword

This British Standard has been prepared under the direction of the General Electrotechnical Engineering Standards Committee. It is intended primarily to assist in the protection of sound broadcasting from conducted radio interference.

The validity of a complaint of radio interference due to installed lighting equipment is most suitably established by the measurement of the radio noise voltage at the terminals of the equipment or lighting installation and its comparison with an accepted norm. This standard gives a method of measurement of these terminal voltages in lighting installations and individual lighting equipment of all types in the frequency range from 0.15 MHz to 30 MHz. The radio noise generated by lamps and lighting equipment is almost entirely at frequencies below 30 MHz and is mainly in the decade 0.15 MHz to 1.5 MHz.

The control of radio interference from switch-start fluorescent lamp luminaires for use in residential areas is the subject of a Government Regulation embodied in Statutory Instrument 1978: No. 1268 which requires compliance with BS 5394-1:1976. That standard specifies limits and methods of measurement of the insertion loss of switch-start luminaires as the means of control and is not affected by this standard.

Appendix B contains explanatory information and gives guidance on action that may be taken to reduce interference, if it should occur.

Recommendations for methods of measurement of terminal voltage of fluorescent luminaires have been made by the International Special Committee on Radio Interference (CISPR) in Publication 15:1975, but have not yet been extended to other lighting equipment. This standard is based on these CISPR recommendations.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, 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.