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Interested committees:

Title: BS EN IEC 63544 Horticultural luminaires incorporating LED sources -Performance

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

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- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



34/1197/CD

COMMITTEE DRAFT (CD)

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34/1093/NP, 34/1157A/RVN

IEC TC 34 : LIGHTING

SECRETARIAT:

United Kingdom

SECRETARY:

Mr Petar Luzajic

OF INTEREST TO THE FOLLOWING COMMITTEES:

SC 34D

PROPOSED HORIZONTAL STANDARD:

☐

Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☒ QUALITY ASSURANCE

☐ SAFETY

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TITLE:

Horticultural luminaires incorporating LED sources - Performance

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HORTICULTURAL luminaires incorporating LED sources - Performance**FOREWORD**

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The text of this International Standard is based on the following documents:

Draft	Report on voting
34/XX/FDIS	34/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

88 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
89 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
90 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
91 described in greater detail at www.iec.ch/publications.

92 The committee has decided that the contents of this document will remain unchanged until the
93 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
94 specific document. At this date, the document will be

- 95 • reconfirmed,
- 96 • withdrawn,
- 97 • replaced by a revised edition, or
- 98 • amended.

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INTRODUCTION

This document acknowledges the need for defining performance data to be provided for horticultural luminaires using LED as the electric source. Information to support the responsible horticultural lighting environmental use is also included.

Compared with general lighting, the major differences for horticultural lighting are as follows:

- Changing of performance metric system from photometric to photon system, which is normally based on specific wavelength range;
- Increased concern for the endurance properties because of the close relevance to the crop yield.

The provisions in this document represent the technical knowledge of experts from the field of the horticultural lighting, and are developed in close context with IEC 62722-1 (the performance standard for luminaires in general) and IEC 62722-2-1 (the performance standard for LED luminaires for general lighting purpose).