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# PUBLICLY AVAILABLE SPECIFICATION

## PRE-STANDARD



**Luminaire performance –  
Part 1: General requirements**

Withdrawn

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LUMINAIRE PERFORMANCE –

### Part 1: General requirements

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A PAS is a technical specification not fulfilling the requirements for a standard, but made available to the public.

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The text of this PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document

Draft PAS	Report on voting
34D/998/PAS	34D/1014/RVD

Following publication of this PAS, which is a pre-standard publication, the technical committee or subcommittee concerned may transform it into an International Standard.

This PAS shall remain valid for an initial maximum period of 3 years starting from the publication date. The validity may be extended for a single period up to a maximum of 3 years, at the end of which it shall be published as another type of normative document, or shall be withdrawn.

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## INTRODUCTION

The first edition of a performance PAS for luminaires (general requirements) acknowledges the need for defining performance data to be provided, the presentation of this data, the basis of its measurement, and the associated tolerances that may be reasonably expected. Information to support responsible environmental use is also included. Part 2 sections to this Part 1 will be introduced where additional performance requirements for specific types of light source are required.

The provisions in the PAS represent the technical knowledge of experts from the fields of the luminaire industry and associated components such as lamps and controlgear.

Withdrawn

## LUMINAIRE PERFORMANCE –

### Part 1: General requirements

#### 1 Scope

This PAS covers specific performance and environmental requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V where claims of operational performance are made. Unless otherwise detailed performance data covered under the scope of this PAS are for the luminaires in a condition representative of new manufacture, with any specified initial aging procedures completed.

IEC/PAS 62722-1 covers requirements for luminaires to support energy efficient use and responsible environmental management to the end of life. The object of this Part 1 is to provide a set of requirements which are considered to be generally applicable to most types of luminaires. Where additional performance requirements for specific types of light source are relevant, these are specified in the IEC 62722-2 series. The IEC 62722-2 series may also cover a wider scope of performance aspects appropriate to the particular light source technology.

NOTE The structure of these performance standards also allows for the possibility of Part 3 standards to be introduced in the future should standardisation of performance criteria linked to specific luminaire applications be determined as necessary (e. g. floodlighting, street lighting, etc.).

It is the intention that the requirements of this Part 1 are to be met by the provision of information and data provided by the luminaire manufacturer (or responsible vendor). Conformity is considered to be met by the provision of the requested information. Any verification of data is to be conducted by the measurement requirements of this PAS.

Semi-luminaires are not covered under the scope of this PAS. Luminaires shall be complete.

#### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CIE 121:1996, *The photometry and goniophotometry of luminaires*

CIE 121-SP1:2009, *The photometry and goniophotometry of luminaires – Supplement 1: Luminaires for emergency lighting*

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

IEC 60598-2 (all parts), *Luminaires – Part 2: Particular requirements*

NOTE Annex A provides details of regional standards the use of which are preferred in some countries.