

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Luminaire performance –
Part 2-1: Particular requirements for LED luminaires**

**Performance des luminaires –
Partie 2-1: Exigences particulières relatives aux luminaires à LED**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRE PERFORMANCE –

Part 2-1: Particular requirements for LED luminaires

FOREWORD

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International Standard IEC 62722-2-1 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This first edition of IEC 62722-2-1 cancels and replaces IEC PAS 62722-2-1, published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the Publicly Available Specification.

- a) The testing time is aligned with IEC 62717 and the option of 2 000 h is removed. Products containing modules not in compliance with IEC 62717 are now tested to 6 000 h.
- b) Testing sample sizes have been modified to give valid statistical data.
- c) The temperature reduction of 10 °C for street lanterns and floodlights has been removed.
- d) Life definitions have been updated and aligned with IEC 62717.

The text of this standard is based on the following documents:

FDIS	Report on voting
34D/1147/FDIS	34D/1155/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62722 series, published under the general title *Luminaire performance* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

Withdrawn

INTRODUCTION

This standard is the conversion of IEC PAS 62722-2-1 into a full IEC performance standard for LED luminaires for general lighting applications. It acknowledges the need for relevant tests for luminaires using this new source of electrical light. The publication is seen in close context with simultaneously developed and edited publication of performance standards for luminaires in general and for LED modules. This standard does not consider luminaires designed for LED lamps, which are covered in IEC 62722-1. Changes in the LED luminaires standard will have impact on the LED module standards and vice versa, due to the behaviour of LED. Therefore, in the development of the present standard, mutual consultancy of experts of both products has taken place.

The provisions in the standard represent the technical knowledge of experts from the fields of the semiconductor (LED chip) industry and of those of the traditional electrical light sources and luminaires.

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