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BS IEC 60092-306:2009



BSI Standards Publication

Electrical installations in ships —

Part 306: Equipment – Luminaires and
lighting accessories

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This British Standard is the UK implementation of IEC 60092-306:2009. It supersedes BS IEC 60092-306:1980 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee JPEL/18, Electrical installations of ships and of mobile and fixed offshore units.

A list of organizations represented on this committee can be obtained on request to its secretary.

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INTERNATIONAL STANDARD

**Electrical installations in ships –
Part 306: Equipment – Luminaires and lighting accessories**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS IN SHIPS –

Part 306: Equipment – Luminaires and lighting accessories

FOREWORD

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International Standard IEC 60092-306 has been prepared by IEC technical committee 18: Electrical installations of ships and of mobile and fixed offshore units.

This fourth edition cancels and replaces the third edition published in 1980. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) Title has been amended;
- b) Scope has been stated more precisely;
- c) Requirements on mechanical design and materials have been amended and stated more precisely;
- d) Table 2 – Standard types of lampholders, has been amended;
- e) Environmental tests, especially regarding shock and vibration have been added;

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- f) Requirements and tests concerning special chemical and physical attributes have been added;
- g) Standard has been editorially revised.

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

| FDIS | Report on voting |
|--------------|------------------|
| 18/1137/FDIS | 18/1143/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 parts of the IEC 60092 series, published under the general title *Electrical installations in ships*, can be found on the IEC web site.

The committee has decided that the contents of this publication will remain unchanged until the maintenance 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.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

IEC 60092 forms a series of international standards for electrical installations in sea-going ships, incorporating good practice and coordinating, as far as possible, existing rules.

These standards form a code of practical interpretation and amplification of the requirements of the International Convention for the Safety of Life at Sea, a guide for future regulations which may be prepared and a statement of practice for use by shipowners, shipbuilders and appropriate organizations.

ELECTRICAL INSTALLATIONS IN SHIPS –

Part 306: Equipment – Luminaires and lighting accessories

1 Scope

This International Standard applies to luminaires and lighting accessories for use in ships. It applies primarily to luminaires for illumination purposes.

NOTE Boats, submarines (except naval submarines), watercraft and floating equipment are ships to which this standard applies.

This standard also applies to lighting accessories associated with the wiring and current consuming appliance of an installation.

This standard does not apply to portable luminaires, navigation lights, search lights, daylight signalling lamps, signal lights including the relevant control and monitoring equipment and other lights used for navigation in channels, harbours, etc.

For navigation lights, see EN 14744, for search lights, see ISO 17884, for daylight signalling lamps, see ISO 25861.

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.

IEC 60068-2-1, *Environmental testing – Part 2-1: Tests – Test A: Cold*

IEC 60068-2-2, *Environmental testing – Part 2-2: Tests – Test B: Dry heat*

IEC 60068-2-6, *Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)*

IEC 60068-2-27, *Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock*

IEC 60068-2-52, *Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium, chloride solution)*

IEC 60068-2-78, *Environmental testing – Part 2-78: Tests – Test Cab: Damp heat, steady state*

IEC 60079 (all parts), *Equipment for explosive atmospheres*

IEC 60092-101, *Electrical installations in ships – Part 101: Definitions and general requirements*

IEC 60092-201:1994, *Electrical installations in ships – Part 201: System design – General*

IEC 60092-352, *Electrical installations in ships – Part 352: Choice and installation of electrical cables*

IEC 60155, *Glow-starters for fluorescent lamps*

IEC 60238, *Edison screw lampholders*