

BS EN ISO 16180:2013



BSI Standards Publication

Small craft — Navigation lights — Installation, placement and visibility

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National foreword

This British Standard is the UK implementation of EN ISO 16180:2013.

The UK participation in its preparation was entrusted to Technical Committee GME/33, Small craft.

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

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NORME EUROPÉENNE

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English Version

Small craft - Navigation lights - Installation, placement and visibility (ISO 16180:2013)

Petits navires - Feux de navigation - Installation, positionnement et visibilité (ISO 16180:2013)

Kleine Wasserfahrzeuge - Positionslaternen - Einbau, Anordnung und Tragweite (ISO 16180:2013)

This European Standard was approved by CEN on 12 February 2013.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 16180:2013) has been prepared by Technical Committee ISO/TC 188 "Small craft".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

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Endorsement notice

The text of ISO 16180:2013 has been approved by CEN as EN ISO 16180:2013 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 94/25/EC as amended by 2003/44/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission to provide one means of conforming to Essential Requirements of the New Approach Directive 94/25/EC as amended by 2003/44/EC.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one member state, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 94/25/EC as amended by 2003/44/EC

Clauses/subclauses of this European Standard	Corresponding annexes/ Paragraphs of Directive 94/25/EC as amended by 2003/44/EC	Comments
All clauses.	Annex 1A5, Clause 5.7, Navigation lights.	This standard corresponds to the requirements of 1972 COLREGs for the placement and installation of navigation lights. The navigation light units must comply with 72 COLREGs performance standards. Where CEVNI regulations are required to be used other requirements will apply.
Annex A	Annex 1A2, Clause 2.5, Owner's manual.	

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16180 was prepared by Technical Committee ISO/TC 188, *Small craft*.

Small craft — Navigation lights — Installation, placement and visibility

1 Scope

This International Standard specifies requirements and gives guidelines for the placement, installation and visibility of navigation lights as described in COLREG for recreational craft of less than 24 m in length of hull, as described in ISO 8666. [Annex A](#) lists additional information to be included in the owner's manual.

NOTE Other national regulations may apply for craft on certain waters.

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.

ISO 8666, *Small craft — Principal data*

ISO 10133, *Small craft — Electrical systems — Extra-low-voltage d.c. installations*

ISO 10240, *Small craft — Owner's manual*

ISO 13297, *Small craft — Electrical systems — Alternating current installations*

The Convention on the International Regulations for Preventing Collisions at Sea, 1972, as amended (COLREG)

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8666 and the following apply.

3.1

navigation light

coloured source of illumination on recreational craft used to signal a craft's position, heading, and status

Note 1 to entry: The International Maritime Organization (IMO) has clarified the use of "lantern," as in "combined lantern," and "light," as in "sidelight," as being the same. "Light" and "lantern," in this context, are the same and interchangeable with the term "navigation light", and refers to the whole assembly and all of its parts.

3.2

all-round light

unbroken light over an arc of the horizon of 360°

3.3

combination sidelight

single navigation light where sidelights are combined into one lantern showing green to starboard and red to port from straight ahead to 22,5° abaft the beam ($90^\circ + 22,5^\circ = 112,5^\circ$) on their respective sides carried on the fore and aft centre line

3.4

masthead light

white light placed over the fore and aft centreline showing an unbroken light over an arc of the horizon of 225°, fixed to show the light from straight ahead to 22,5° abaft the beam ($90^\circ + 22,5^\circ = 112,5^\circ$) on either side of the craft