



BSI Standards Publication

Graphical symbols — Safety colours and safety signs

Part 4: Colorimetric and photometric properties of safety sign materials

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

National foreword

This British Standard is the UK implementation of ISO 3864-4:2011. It supersedes BS5378-2:1980 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/8/1, Graphical Symbols - Safety Signs.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© BSI 2011

ISBN 978 0 580 66513 4

ICS 01.080.10; 01.080.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2011.

Amendments issued since publication

Date	Text affected
------	---------------

**Graphical symbols — Safety colours and
safety signs —**

**Part 4:
Colorimetric and photometric properties
of safety sign materials**

Symboles graphiques — Couleurs de sécurité et signaux de sécurité —

*Partie 4: Propriétés colorimétriques et photométriques des matériaux
des signaux de sécurité*



Reference number
ISO 3864-4:2011(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Requirements.....	3
4.1 General	3
4.2 Object colour under external illumination	4
4.3 Object colour of powered internally illuminated safety signs	4
5 Test methods	8
5.1 General	8
5.2 Object colour under external illumination	9
5.3 Object colour of powered internally illuminated safety signs	10
Annex A (informative) Object colour of different types of safety sign and material	11
Annex B (normative) Classification of emission colour of phosphorescent material	13
Annex C (normative) Specification of colour and photometric instrumentation.....	16
Annex D (informative) Guidance on photometric relationships between and within safety and contrast colours of graphical symbols	18
Annex E (informative) Examples of safety colours and contrast colours for object colours of ordinary materials	19
Annex F (informative) Consideration of defective colour vision	21
Bibliography.....	23