

AS ISO 3664—2012
ISO 3664:2009

AS ISO 3664—2012

Australian Standard[®]

**Graphic technology and photography—
Viewing conditions**



This Australian Standard® was prepared by Committee EX-004, Graphic Technologies. It was approved on behalf of the Council of Standards Australia on 12 April 2012. This Standard was published on 24 April 2012.

The following are represented on Committee EX-004:

- Australian Paper Industry
 - Lithographic Institute of Australia, NSW
 - Printing Industries Association of Australia
 - TAFE NSW
-

This Standard was issued in draft form for comment as DR AS ISO 3664.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS ISO 3664—2012

Australian Standard[®]

Graphic technology and photography— Viewing conditions

First published as AS ISO 3664—2012.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 079 9

PREFACE

This Standard was prepared by the Standards Australia Committee EX-004, Graphic Technologies.

The objective of this Standard is to specify viewing conditions for images on both reflective and transmissive media, such as prints (both photographic and photomechanical) and transparencies, as well as images displayed in isolation on colour monitors.

This Standard is identical with, and has been reproduced from ISO 3664:2009, *Graphic technology and photography—Viewing conditions*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text ‘this International Standard’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

CONTENTS

| | | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions..... | 2 |
| 4 | Viewing condition requirements | 4 |
| 4.1 | General requirements | 4 |
| 4.2 | Conditions for critical comparison (viewing conditions P1 and T1) | 7 |
| 4.3 | Conditions for practical appraisal of prints, including routine inspection (viewing condition P2) | 10 |
| 4.4 | Conditions for viewing small transparencies by projection (viewing condition T2) | 11 |
| 4.5 | Conditions for appraisal of images displayed on colour monitors | 12 |
| 5 | Test methods..... | 13 |
| 5.1 | Spectral measurements | 13 |
| 5.2 | Illuminance and luminance | 13 |
| 5.3 | Resolution assessment for projection viewing apparatus..... | 14 |
| Annex A | (informative) Summary of viewing conditions specified in this International Standard | 15 |
| Annex B | (informative) Experimental data leading to selection of metamerism indices and reference illuminant for this International Standard ²⁾ | 16 |
| Annex C | (informative) Guidelines for judging and exhibiting photographs | 22 |
| Annex D | (informative) Spectral power distribution conformance testing | 24 |
| Annex E | (informative) Guidelines for viewing conditions to match measurement condition M2..... | 33 |
| Bibliography | | 34 |

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-