Share your feedback about this standard. Scan the QR code on your phone or click/ enter the link to take the survey feedback.standards.org.au/1680.4:2017

AS/NZS 1680.4:2017

Australian/New Zealand Standard™

Interior and workplace lighting

Part 4: Maintenance of electric lighting systems





AS/NZS 1680.4:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG-001, Interior and Workplace Lighting. It was approved on behalf of the Council of Standards Australia on 10 May 2017 and by the New Zealand Standards Approval Board on 7 June 2017.

This Standard was published on 30 June 2017.

The following are represented on Committee LG-001:

Australian Building Codes Board
CIE Australia
Energy Efficiency and Conservation Authority of New Zealand
Engineers Australia
IES: The Lighting Society
Lighting Council Australia
Lighting Council New Zealand
Property Council of Australia
University of Sydney

Keeping Standards up-to-date

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com or Standards New Zealand web site at www.standards.govt.nz and looking up the relevant Standard in the online catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of Standards Australia or the New Zealand Standards Executive at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS 1680.4:2016.

AS/NZS 1680.4:2017

Australian/New Zealand Standard™

Interior and workplace lighting

Part 4: Maintenance of electric lighting systems

Originated as AS/NZS 1680.4:2001. Second edition 2017.

COPYRIGHT

© Standards Australia Limited

© The Crown in right of New Zealand, administered by the New Zealand Standards Executive

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 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, PO Box 1473, Wellington 6140.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-001, Interior and Workplace Lighting, to supersede AS/NZS 1680.4:2001.

This Standard forms Part 4 of the AS/NZS 1680 series.

At the date of publication of this Standard, the following Standards were available in the AS/NZS 1680 series:

AS(/NZS)				
1680	Interior lighting			
1680.0	Part 0:	Safe movement		
1680.1	Part 1:	General principles and recommendations		
1680.2.1	Part 2.1:	Specific applications—Circulation spaces and other general areas		
1680.2.2	Part 2.2:	Specific applications—Office and screen-based tasks		
1680.2.3	Part 2.3:	Specific applications—Educational and training facilities		
1680.2.4	Part 2.4:	Industrial tasks and processes		
1680.2.5	Part 2.5:	Hospital and medical tasks		
1680.3	Part 3:	Measurement, calculation and presentation of photometric data		
1680.4	Part 4:	Maintenance of electric lighting systems (this Standard)		
1680.5	Part 5:	Outdoor workplace lighting		

This Standard contains the detailed information required to establish the intended maintenance regime of an installation during the design phase plus recommendations regarding maintenance techniques. It is an important support document to the other Standards in the AS/NZS 1680 series and is relevant to all forms of exterior lighting, such as streetlighting, and sports floodlighting.

This Standard is supplementary to and should be read in conjunction with the general recommendations of AS/NZS 1680.1.

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

CONTENTS

		Page
FOREW	VORD	4
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	5
1.2	REFERENCED DOCUMENTS	
1.3	DEFINITIONS	-
SECTIO	ON 2 NEED FOR MAINTENANCE	
2.1	GENERAL	8
2.2	INFLUENCING FACTORS	
2.3	INSPECTION INTERVALS AND CLEANLINESS CATEGORY	11
2.4	CLEANING SCHEDULE	11
SECTIO	ON 3 ANALYSIS OF DEPRECIATION	
3.1	FACTORS CONTRIBUTING TO LIGHT LOSSES	13
3.2	LAMP LUMEN MAINTENANCE FACTOR (LLMF)	13
3.3	LAMP SURVIVAL FACTOR (LSF)	
3.4	LUMINAIRE MAINTENANCE FACTOR (LMF)	13
3.5	ROOM SURFACE MAINTENANCE FACTOR (RSMF)	14
SECTIO	ON 4 MAINTENANCE FACTOR	
4.1	GENERAL	15
4.2	DETERMINATION OF MAINTENANCE FACTOR	
4.3	USE OF MAINTENANCE FACTOR (MF)	16
SECTIO	ON 5 SERVICING LIGHTING SYSTEMS	
5.1	GENERAL	18
5.2	ACCESS	-
5.3	CLEANING LUMINAIRES	
5.4	CLEANING AGENTS	
5.5	RELAMPING	18
APPEN		
A	RELATED DOCUMENTS	19
В	EXAMPLES AND TYPICAL VALUES OF FACTORS FOR DETERMINING	
	MAINTENANCE FACTOR	_
C	EXAMPLE ESTIMATION OF MAINTENACE FACTOR	24



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

Product Page

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