

Emergency lighting and exit signs for buildings

Part 3: Emergency luminaires and exit signs

Amendment No. 1

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 29 April 2021

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Summary

This Amendment applies to the following elements:

- Preface
- Clauses 1.3, 2.3, 2.4.1, 2.5, 2.7, 3.3.7.3, 3.4.1, 3.6.1, 4.3.1, 4.3.2, 4.4.1, 4.6 and 5.3
- Table 3.1

Amendment Details

AS/NZS 2293.3:2018 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction / New text	
Preface	In the fifth paragraph, Item (e), <i>delete</i> "AS/NZS 60598.2.22" and <i>replace</i> with "AS 60598.2.22".	
Throughout document	<i>Delete</i> AS/NZS 60598.2.22 and <i>replace</i> with AS 60598.2.22.	
CI 1.3	1	<i>Add</i> the following to the beginning of the list of normative references: AS 60598 Luminaires 60598.2.22 Part 2.22: Particular requirements—Luminaires for emergency lighting (IEC 60598-2-22, Ed. 4.1 2017 MOD)
	2	<i>Delete</i> the listing for AS/NZS 60598.2.22.
CI 2.3	In the first paragraph, <i>delete</i> "and comply with AS/NZS 60598.2.22".	
CI 2.4.1	1	In the second paragraph, <i>delete</i> the list introduction and <i>replace</i> with the following: Emergency luminaires and exit signs shall provide a light output of at least—
	2	In the second paragraph (twice) and Note 1, <i>delete</i> "energization" and <i>replace</i> with "the loss of normal lighting supply".
	3	<i>Delete</i> the third paragraph and <i>replace</i> with the following: For an emergency luminaire, the reference value shall be the luminous intensity assigned in accordance with the classification procedure of Paragraph C3.2 of Appendix C.

Element	Instruction / New text
	For an internally illuminated exit sign the reference value shall be the minimum allowable luminance values as specified in Clause 3.4.2 for standard internally illuminated exit signs and Clause 3.4.3 for low illuminance area exit signs. A single measurement site as defined in Figure 3.4 may be used for this measurement. For this Clause 2.4.1, a dual function exit sign with a single light source shall be treated as an emergency luminaire. If a dual function exit sign has independent light sources for the luminaire and exit functions then it shall conform to the requirements for both an emergency luminaire and an internally illuminated exit sign.
CI 2.5	In the last paragraph <i>delete</i> “, Paragraph D4”.
CI 2.7	1 <i>Delete</i> the first paragraph and <i>replace</i> with the following: In addition to the information required by AS 60598.2.22 each emergency luminaire and exit sign shall be legibly and durably marked with the following information, as applicable. This marking shall conform with the legibility and durability requirements of AS/NZS 60598.1. Instructions and other texts required by this Standard shall at least be written in English. 2 In Item (b) <i>delete</i> the first sentence and <i>replace</i> with the following: Where the luminaire has a different classification in different planes and the C₀ plane is not obvious, luminaires shall be marked to identify the orientation of the C₀ plane through the luminaire (see Appendix C). 3 In Item (e), <i>delete</i> “(See also Clauses 3.6 and 4.6).” and <i>replace</i> with the following note: NOTE: For further details see Clauses 3.6 and 4.6 and the applicable clauses of AS 60598.2.22. 4 <i>Delete</i> text of Item (f) and <i>replace</i> with the following: For combined or sustained emergency luminaires with replaceable light sources, the location of the emergency light source shall be clearly marked, together with any information necessary to ensure correct light source replacement. 5 <i>Delete</i> the note following Item (g) and <i>replace</i> with the following: NOTE: Marking on the luminaire to relate the classification to the mounting position is not required where the luminaire is designed for mounting in one orientation only.
Tbl 3.1	<i>Insert</i> new Note 3 as follows: 3 Chromaticity should be measured when exit sign is illuminated.
CI 3.3.7.3	<i>Delete</i> clause, including table and note.
CI 3.4.1	In the third paragraph <i>delete</i> “Clause 2.3” and <i>replace</i> with “Clause 2.4”.
CI 3.6.1	<i>Delete</i> “Clause 2.6” and <i>replace</i> with “Clause 2.7”.
CI 4.3.1	<i>Delete</i> the first paragraph and <i>replace</i> with the following: Batteries shall be tested in accordance with Appendix D to determine their suitability for use in emergency luminaries and exit signs. Batteries shall be of the sealed rechargeable type specifically designed for emergency or standby use. The batteries shall be fitted with self resealing gas vents or similar, as required by battery/cell chemistry and/or relevant safety standards. The marking on batteries shall conform with the test of marking requirements of AS/NZS 60598.1.
CI 4.3.2	At the end of the paragraph <i>add</i> the following: This marking shall conform with the test of marking requirements of AS/NZS 60598.1.
CI 4.4.1	1 <i>Delete</i> the first two paragraphs of the clause and <i>replace</i> with the following: The design of the battery charger shall be such that, when subjected to the short circuit test in AS 60598.2.22, it will either— - continue to function; or - fail in a safe manner. The rating of the battery charger shall be tested in accordance with Appendix D.