

Australian/New Zealand Standard™

International lamp coding system (ILCOS)



AS/NZS IEC 61231:2020

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- Better Regulation Division
- CHOICE
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- Consumers Federation of Australia
- Department of Industry, Science, Energy and Resources
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council
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- IES: The Lighting Society
- Joint Accreditation System of Australia & New Zealand
- Joint Accreditation System of Australia and New Zealand, New Zealand
- Lighting Council Australia
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Preface

This document was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment to supersede AS/NZS 61231:2001, *International lamp coding system (ILCOS)*.

The objective of this document is to provide the rules for the international lamp coding system and covers all lamp categories, excluding vehicle lamps. Coding for the main lamp types is specified and, for the others, will follow by amendments to this standard as appropriate.

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INTERNATIONAL LAMP CODING SYSTEM (ILCOS)

FOREWORD

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This consolidated version of IEC 61231 consists of the first edition (2010) [documents 34A/1345/CDV and 34A/1374/RVC] and its amendment 1 (2013) [documents 34A/1663/FDIS and 34A/1680/RVD]. It bears the edition number 1.1.

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience. A vertical line in the margin shows where the base publication has been modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through.

International Standard IEC 61231 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this base publication and its amendment will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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INTRODUCTION

The lamp industry strives continuously to meet customers' needs. Its innovative power has led to a tremendous variety of different light sources. To enable customers and experts to find their way within the diversity of products, a general system for the coding of lamps has been developed.

The code does not replace specific markings used by individual manufacturers on their lamps or in their catalogues, but it is promoted for cross-referencing purposes and, in due course, to replace national and regional lamp coding systems which already exist.

NOTE The code does not give all the technical characteristics necessary to specify a lamp fully. For this the relevant lamp standard and/or the manufacturer's literature have to be consulted.

INTRODUCTION TO THE AMENDMENT

This proposal serves:

- a) the implementation of the low frequency square wave operation in ILCOS (International Lamp Coding System):

ILCOS L – wattage – lamp voltage range/starting device/ current wave form and frequency – lamp cap – dimensions
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- b) the implementation of lamps for use in high-pressure mercury equipment under 5.7.1.2. In order to distinguish this, other lamps are listed as normal lamps under 5.7.1.1.
- c) further editorial changes as being presented with PRESCO(RTK)198 and agreed by PRESCO.