

Australian Standard<sup>®</sup>

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**Starters for fluorescent lamps—  
Performance requirements**

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This Australian Standard was prepared by Committee EL/4, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 15 December 1992 and published on 13 April 1993.

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## PREFACE

This Standard was prepared by the Standards Australia Committee on Electrical Accessories.

It specifies performance requirements for interchangeable glow-starters used with preheat type fluorescent lamps and is based on IEC 155:1983, *Starters for tubular fluorescent lamps*; however, some of the requirements of that publication have been modified to suit Australian conditions.

Electrical safety requirements are not included herein, but are covered by AS 3138, *Approval and test specification—Starters for fluorescent lamps*.

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## STANDARDS AUSTRALIA

## Australian Standard

## Starters for fluorescent lamps—Performance requirements

**1 SCOPE** This Standard specifies performance requirements for interchangeable glow-starters used with preheat type fluorescent lamps.

This Standard should be read in conjunction with AS 1201. Reference to AS 3168 may also be required.

These starters are generally designed to operate with a range of lamps, depending on supply voltage, single lamp or series pair operation, maximum lamp voltage, and lamp starting requirements.

**2 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

## STANDARDS

AS

1201 Tubular fluorescent lamps for general lighting service

2643 Fluorescent lamp ballasts of reactive type—Performance requirements

IEC

81 Tubular fluorescent lamps for general lighting service

## APPROVAL AND TEST SPECIFICATIONS

AS

3138 Starters for fluorescent lamps

3168 Fluorescent lamp ballasts

**3 DEFINITIONS** For the purpose of this Standard, the definitions of AS 3138, AS 1201 and those below apply.

**3.1 Deactivated lamp**—a lamp in which one or both filaments are deprived of emitting material, but neither of which is broken.

**3.2 Non-reclosure voltage**—a reduced voltage at which the starter contacts must not reclose after operation at the test voltage specified for testing the speed of operation.

**4 SAFETY REQUIREMENTS** This Standard does not include the electrical safety requirements for starters. Starters for fluorescent lamps shall, in addition to complying with the requirements of this Standard, comply with the appropriate requirements of AS 3138.

**5 PERFORMANCE REQUIREMENTS****5.1 Starting**

**5.1.1 Speed of operation** When tested in accordance with Paragraph A3, Appendix A, the contacts of a starter shall open at least twice.