

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Amendment No. 1
to
AS/NZS 3350.2.30:2007
Safety of household and similar electrical appliances –
Part 2.30: Particular requirements for room heaters**

REVISED TEXT

The 2007 edition of AS/NZS 3350.2.30 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This amendment applies to Preface, Clauses 2, 7, 8, 11, 19, 21 and 22 and Annex ZZ.

Published on 30 November 2007.

Approved for publication in Australia on behalf of the Council of Standards Australia on 2 November 2007

Approved for publication in New Zealand by the Standards Council of New Zealand on 19 October 2007

This amendment takes effect from the date of publication.

PREFACE

Replace the second paragraph by the following.

This Standard incorporates Amendment No. 1 (November 2007). The changes introduced by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) is indicated by the marginal bar against the part affected.

2 Definitions

Add the following new definition:

2.106 ceiling mounted heat lamp appliance: Is a heater for recessed mounting at high level into a ceiling and incorporating one or more heat lamps. It may also incorporate an extraction fan and an illumination lamp. The fan may be installed separately in ducting or may be an integral part of the heater.

NOTE The heat lamp is not considered to be a **visibly glowing heating element**.

7 Marking and instructions

7.1 *Add the following:*

For **ceiling mounted heat lamp appliances**, the maximum rated wattage and type of each lamp shall be marked.

7.12.1 Replace the first paragraph of the addition by the following:

The instructions for ~~stationary visibly glowing radiant heaters~~ shall warn about the possible danger of installation close to curtains and other combustible materials.

The installation instructions for **stationary visibly glowing radiant heaters** and **ceiling mounted heat lamp appliances** shall warn about the possible danger of installation close to curtains and other combustible materials.

Add the following:

Instructions shall be provided for routine cleaning of **ceiling mounted heat lamp appliances** including removal of covers if applicable.

The installation instructions for **ceiling mounted heat lamp appliances** that are recessed into a ceiling space or cavity shall give details for proper installation in the ceiling and shall state the substance of the following:

The appliance shall, under no circumstances, be covered with insulating material or similar material.

Regulations concerning the discharge of air have to be fulfilled.

Joists, beams and rafters shall not be cut or notched to install the appliance.

The installation instructions for heaters for mounting under church benches shall state

- that the heater is intended for installation under benches that are fixed in position;
- the minimum distance between the underside of the installed heater and the floor;
- the minimum distances of the relevant surfaces of the heaters to the front and rear edge of the underside of the bench which shall be not less than 50 mm.

7.14 In the addition, add the following requirement:

The height of the words relating to the maximum rated wattage and type of heat lamp shall be at least 6 mm.

Add the following:

7.15 Addition:

For **ceiling mounted heat lamp appliances**, the marking relating to the maximum rated wattage and type of heat lamp shall be visible when replacing a lamp in accordance with the instructions.

8 Protection against access to live parts

8.1 Add the following:

Addition:

This requirement does not apply to **live parts** of screw-type or bayonet-type lampholders incorporated in **ceiling mounted heat lamp appliances** that are accessible only when the heat lamp is extracted.

8.2 Add the following:

8.2 Addition:

During **user maintenance** and after the removal of **detachable parts** during replacement of heat lamps, the **basic insulation** of internal wiring may be touched provided it is electrically equivalent to the insulation of cords complying with IEC 60227 or IEC 60245.

NOTE 101 Parts of **ceiling mounted heat lamp appliances** that are recessed into a ceiling space or cavity are regarded as accessible as the mounting surface does not provide adequate protection against electric shock.

11 Heating

11.2 Add the following paragraphs:

For appliances provided with an automatic cord reel, one-third of the total length of the cord is unreeled. The temperature rise of the cord sheath is determined as near as possible to the hub of the reel and also between the two outermost layers of the cord on the reel.

*For cord storage devices, other than automatic cord reels, that are intended to accommodate the **supply cord** partially while the appliance is in operation, 50 cm of the cord is unwound. The temperature rise of the stored part of the cord is determined at the most unfavourable place.*

Ceiling mounted heat lamp appliances that are recessed into a ceiling space or cavity are installed in the test corner as follows, unless otherwise specified in the installation instructions.

Recessed **ceiling mounted heat lamp appliances** are mounted as near as possible to the walls in a test recess, consisting of the test corner ceiling, on top of which is a rectangular box with vertical sides and horizontal top.

The test corner ceiling shall extend at least 100 mm outside the projection of the heater on the ceiling. The box is made of dull black-painted plywood approximately 20 mm thick and the top of the box is tightly sealed to its sides. The ceiling of the test corner external to the box and the outside of the box is covered with insulating material having a coefficient of thermal insulation of approximately 3,2 m²K/W.

The position of the recessed **ceiling mounted heat lamp appliances** within the test box shall be such that there is a space of 25 mm between the sides and top of the box and the top and sides of the recessed parts of the heater.

For appliances provided with fans, means for ventilation or ducting are provided in accordance with the installation instructions.

19 Abnormal operation

19.1 In the modification add "and 19.301" after "19.114".

Add the following new subclause:

19.301 Ceiling mounted heat lamp appliances are operated as specified in Clause 11 but with the highest rated wattage heat lamp fitted as allowed by the construction