

INFORMATION BULLETIN

**June 2015
#0009**

Salt Lamps

Salt lamps: lamps that have luminaire parts covered by salt crystal or the like such that the lamp illuminates through and heats the salt crystal parts.

Also known as *Himalayan Salt Lamps / Rock salt lamp / Crystal salt lamp*

In general, lamps that have electrical parts as depicted in picture 1 would not fit within definition of 'luminaire portable type' of AS/NZS 4417.2 if they were installed in luminaires that have no other metal parts.

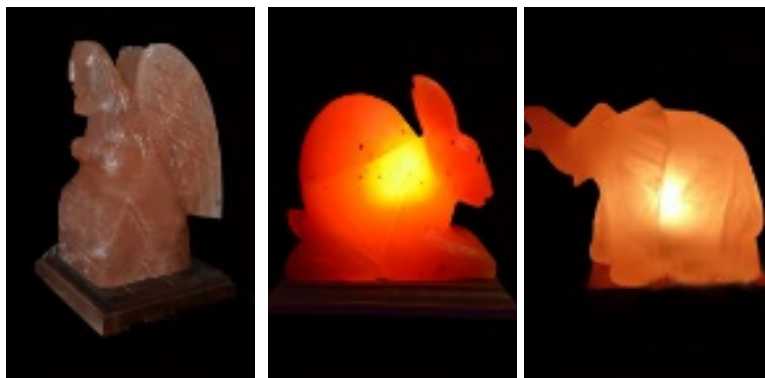
Note; this is subject to confirmation of installation in final product



Picture 1

Salt lamps that depict an animal or figurine (examples in picture 2), would generally be considered to be designs within the definition of child appealing luminaire and would be required to comply with AS/NZS 60598.10 (Child appealing luminaires).

Salt lamps of child appealing shapes that are 240 volt lamps with electrical parts of the lampholder similar to picture 2 do not comply with the child appealing standard and are not permitted to be sold.



Picture 2

Salt lamps that have construction of the type that has electrical parts as depicted in picture 1 would not require certification in Australia or New Zealand but would require to be tested and examined to be electrically safe and declared to meet relevant electrical safety standards.

The relevant standard for salt lamp designs, which are not of the child appealing design, would be AS/NZS 60598.2.4.

However any particular standard may not address all safety issues of a particular product and an individual product design may need additional consideration for matters that may affect the safety of a particular product.

In the salt lamp situation there may be issues such as waterproofness / prevention of ingress of contaminants (liquids or salt) that may require appropriate level of ingress protection rating for electrical parts, and/or supply from safety extra low voltage (SELV) or have SELV parts in areas subject to moisture/contaminant ingress, or some other consideration to ensure safety rather than just compliance to a particular standard that may not cover all the risks associated with the technology / design / use of the equipment.

If a certificate was to be obtained for 240 volt rated salt lamps they would require at a minimum:

- Full AS/NZS 60598.2.4 compliance (not just compliance to annex ZA of that standard)

AND

- Compliance to an ingress protection rating of at least IP64 on the 240V electrical parts around the lampholder (tested with the lamp in place and salt lampshade removed).
- The IP64 test conducted as per requirements of AS/NZS 60598.1 would be required to show there was no ingress of water or dust into the 240V electrical enclosure.
- If the lamp is user replaceable, the lampholder is to be marked with the type of replacement lamp to use