

Salt Lamps

These guidance material results from a request to clarify if under EESS, a salt lamp complying with additional requirements for salt lamps as specified in AS/NZS 60598.2.4: 2019 Appendix ZB is classified as Level 1, Level 2 or Level 3 in-scope electrical equipment.

Question

Are salt lamps within the definition of “Luminaire – portable type” as listed in AS/NZS 4417.2 Appendix B?

Answer

Salt lamps as specified in AS 60598.2.4: 2019 appendix ZB are class II luminaire with class III construction. By virtue of their design and construction, salt lamps are excluded from the “simple portable luminaire” (Level 2) definition of 4417.2; however they fit within B.2.40 definition “Luminaire – portable type” (Level 3) listed in AS/NZS 4417.2 Appendix B as they includes accessible extra low voltage parts that, similar to accessible metal parts, are required to be separated from live parts by double or reinforced insulation.

Background

The salt lamps of the construction type referred to in the superseded ERAC information bulletin dated June 2015 was considered to be within the definition of “luminaire – portable type” of AS/NZS 4417.2 if they were installed in luminaires that have no other metal parts with the exception of the spring holder of the lampholder.

Currently AS/NZS 4417.2 has two portable luminaire definitions: “simple portable luminaire” (level 2) and “luminaire – portable type” (level 3).

The construction type referred to in the superseded ERAC bulletin dated June 2015 would fit the definition of “simple portable luminaire” (level 2) however the ERAC bulletin was superseded as the referred to construction type was no longer reflective of the current design and construction requirements for salt lamps as prescribed in AS 60598.2.4:2019 Appendix ZB.