Lighting Council NEW ZEALAND™

Leading New Zealand's Lighting Industry

The New Standard for Recessed Luminaires

Recessed luminaire (downlight) standard *AS/NZS 60598.2.2-2016, Luminaires–Part 2.2: Particular requirements–Recessed luminaires* was published in February 2016 after a comprehensive update by the AS/NZS standards committee.

There are modifications that will have significant market impact with changed terminology, temperature ratings and luminaire markings. This includes both residential and commercial luminaires (incl troffers).

The standard was published in February 2016 with a 2-year introduction period, and will be a mandatory requirement from February 2018 onwards.

This continues a track record by Lighting Council New Zealand of participation in pioneering standards for luminaires that are safe and fit-for-purpose for New Zealand conditions. The marking requirements assist installers of luminaires and ceiling thermal insulation and aligns Australian and New Zealand requirements.

The new classifications for residential and commercial luminaires in NZ are:

Non-IC luminaire - Cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris may be present in normal use. Not suitable for residential installations.

Do-not-cover luminaire - A recessed luminaire that cannot be abutted against any material and cannot be covered in normal use.

CA90 luminaire - Can be abutted against normally flammable materials, including building insulation, but cannot be covered in normal use.

CA135 luminaire - Can be abutted against normally flammable materials, including building insulation, but cannot be covered in normal use.

IC luminaire - Can be abutted against normally flammable materials, including building insulation, and can be covered in normal use.

IC-4 luminaire - Can be abutted against normally flammable materials, including building insulation, and can be covered in normal use. These are fully sealed to eliminate air transfer.

In a residential application installing an LED insulation cover luminaire in place of an old recessed luminaire will:

- Reduce the electrical energy used for lighting
- Eliminate the room cooling effect of air-transmitting luminaires
- Eliminate moist air in ceiling voids
- Enable full thermal efficiency of ceiling insulation
- Eliminate relamping inconvenience and cost

It is exciting times for the market as LED recessed luminaire technology has advanced massively and air-sealed, high efficiency, high reliability, insulation friendly luminaires are very competitively priced. Upgrading to optimised LED luminaire and control gear solutions can deliver appreciably better lighting, economics and efficiency than lamp retrofit solutions.

LCNZ is the industry association for lighting manufacturing and importing companies in New Zealand.

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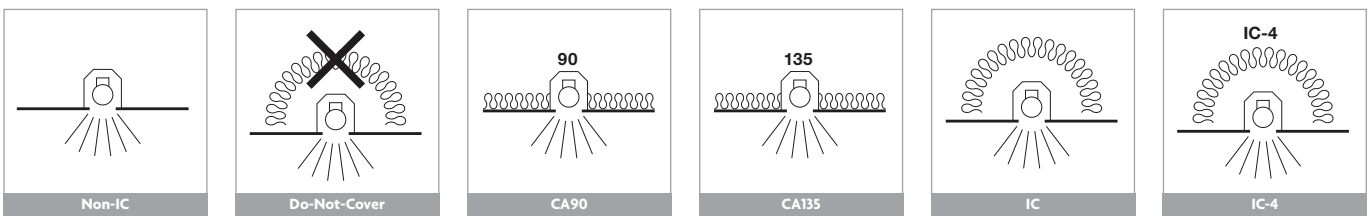

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