

# Recessed luminaires intended for contact with expandable foam



Foam insulation applied around recessed luminaires

UL 1598, the Standard for Luminaires, and CSA C22.2 No. 250.0-21 now cover the requirements for obtaining a foam insulation marking on your recessed luminaire. The building and construction industry can add value with such a marking, which was not addressed until the most recent editions of these standards.

Previously, only NEMA LE 7-2015 had requirements and recommendations for low- and medium-density polyurethane foam thermal insulation. This foam is widely used in the construction industry, and many newer building constructions are using spray foam insulation because it is easier to apply, can provide better insulation and may help reduce energy costs.

This foam insulation can be used with insulation contact (IC) recessed LED, fluorescent, incandescent and high-intensity discharge (HID) luminaires. UL Solutions can quickly evaluate your luminaire and provide you the flexibility to mark your luminaires as suitable to be in contact with foam insulation.

#### **Luminaires evaluated and in compliance can bear the following verbiage:**

- “ALSO COMPATIBLE WITH LOW- AND MEDIUM-DENSITY SPRAY FOAM BUILDING INSULATION – R6.8 MAX”
- “SPCL” (spray foam compatible luminaire)



## UL Solutions engineers can help

### Qualifying product categories include:

- LED recessed luminaires
- Fluorescent recessed luminaires
- Incandescent recessed luminaires
- HID recessed luminaires

### Compliance requirements include:

- Max temperature on exterior in contact with IC -82 degrees C
- Access from the room side to splice compartment
- No opening bigger than 1.3 mm
- Markings visible from room side

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**Contact us to learn more about starting a new quote for recessed luminaires intended for contact with expandable foam, or to reevaluate your product files with local engineering experts.**

Americas: [LightingInfo@UL.com](mailto:LightingInfo@UL.com)

Europe: [AppliancesLighting.EU@UL.com](mailto:AppliancesLighting.EU@UL.com)

GC: [GC.LightingSales@UL.com](mailto:GC.LightingSales@UL.com)

ANZ: [CustomerService.ANZ@UL.com](mailto:CustomerService.ANZ@UL.com)

ASEAN: [UL.ASEAN.AHLSales@UL.com](mailto:UL.ASEAN.AHLSales@UL.com)

Japan: [ULJ.AHL@UL.com](mailto:ULJ.AHL@UL.com)

South Korea: [Sales.KR@UL.com](mailto:Sales.KR@UL.com)

MEA: [UL.MEA@UL.com](mailto:UL.MEA@UL.com)

South Asia: [Sales.IN@UL.com](mailto:Sales.IN@UL.com)



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