

# THORN



## Sustain3

### Installation Instructions



Sustain3 LED is an extremely efficient and versatile luminaire, designed specifically for application with National Construction Code (BCA) and Australian energy rating systems. This stylish fitting can be easily integrated into any new or refurbishment project due to its sleek, unobtrusive design and ability to adapt to special applications.

Sustain3 LED, is available in a range of options including dimming, selection of lumen output and fittings sizes or with fully integrated Emergency gear.

This product is ideally suitable for indoor ceiling mounting, ie in suspended ceiling arrangements and may come in a number of variations to the standard product. It can also be used with a variety of options for alternate mounting arrangements. Please the following illustrations as a generic guide for all product versions.

Sustain3 complies with the requirements of the Regulatory Compliance Mark (RCM) for Electrical Regulatory Authorities Council (ERAC) Electrical Equipment Safety System (EESS) and the Australian Communications and Media Authority (ACMA) for Electromagnetic Compatibility (EMC).

## Safety Precautions

Warranty of this product is subject to the following installation and maintenance instructions. Please read these instructions carefully before installation. IP40 for indoor use only.

### Installation

To be installed by a qualified electrician in accordance with AS/NZS 3000 wiring regulations. Ensure that the rated voltage and frequency of the luminaire are compatible with the electrical supply.

Unless otherwise indicated on labeling this fitting is suitable for normal ambient temperature conditions.

Sustain3 luminaires comply with the requirements of AS/NZS 60598.

### Classification For Protection

Against electric shock: Class 1 earthed metalwork.

**This product must be earthed.**

### Changes to Specification

THORN Lighting reserves the right to change the product design and/or specification without prior notice or public announcement.

## Important

**Caution Risk of Electric Shock!** Disconnect mains supply before installing, servicing or maintaining the luminaire. If the external flexible cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard. This product contains non-serviceable, LED componentry and or external cabling that requires specialised service practices. In the unlikely event of premature failure, please return this product to Thorn Lighting or an approved service agent.

**This luminaire is classified as Type IC** in accordance with: Australian/New Zealand Standard AS/NZS 60598.2.2-2016, Luminaires —Part 2.2: Particular Requirements — Recessed Luminaires:

This luminaire may be abutted against normally flammable building elements or insulation.

This luminaire may be covered under building insulation as part of normal operation.

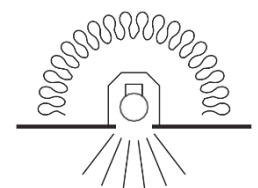
This luminaire may be used where building insulation may be installed (now or in the future).

The minimum distance from the top of the luminaire to any normally flammable building element is 0mm.

The minimum distance from the top of the luminaire to any building insulation is 0mm.

The minimum distance from the side of the luminaire to any normally flammable building element is 0mm.

The minimum distance from the side of the luminaire to any building insulation is 0mm.



## Available Options

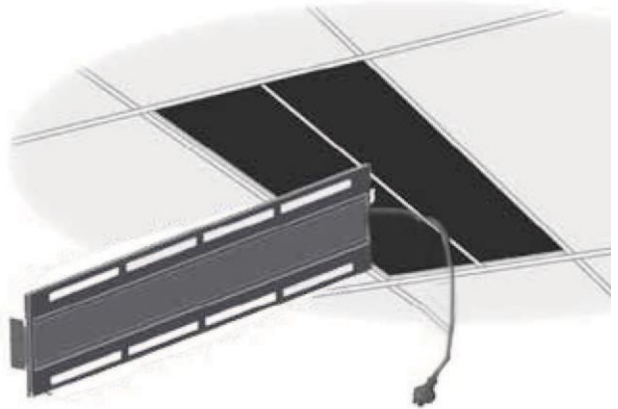
Custom variants can be made in air supply/return versions and can be arranged 'to order' in surface or for recessed application in the full array of Exposed T and Plaster ceiling types.

# 1. Remove ceiling tiles and feed cable through aperture

Turn OFF Power to the Lighting Circuit.

Ensure two adjacent ceiling tiles are removed.

Feed the power cables up through the lighting aperture.

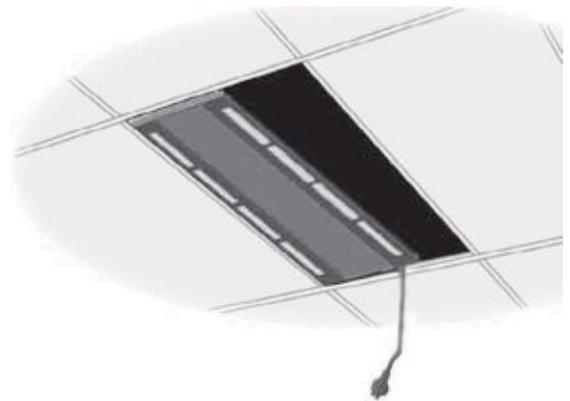


# 2. Mount luminaire into ceiling aperture

Fit the luminaire into the ceiling aperture. Ensure edges and any hooking arrangements are properly engaged in the ceiling T-Bar structure with support on all four sides.

For plasterboard ceiling recessed installation a THORN "PPF" Project Plaster Frame needs to be ordered separately.

A surface mount kit is available on request and needs to be ordered separately.



# 3. Connect power and energise circuit

Connect power through adjacent aperture.

Sustain3 LED is supplied as standard equipped with a nominal 1.7M 3-pin flat earth plug, power input cable.

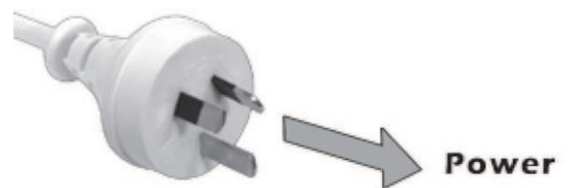
Where applicable, DALI dimmable control cable is hard wired to the luminaire DALI terminal block.

Sensor equipped luminaires are provided with plug & play arrangements for ease of installation. Other supply and cable arrangements are available as options for your particular application.

Ensure you are familiar with the cabling arrangements as required by your particular luminaire. Irreparable damage can be done to sensitive electronic componentry where control systems are involved, if not connected correctly.

Install in accordance with AS/NZS 3000, install outside arm's reach at a minimum of 2.5m from floor level.

Connect MAINS cable as indicated, i.e.- L – Active N - Neutral  - Earth



# 4. Cleaning

Clean with a soft, clean, lint free, cloth, use a small amount of anti-static cleaning fluid.

Do not use corrosive cleaning agents or solvents.

THORN

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INSTRUCTION  
SHEET SUSTAIN3  
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