

# TENMAT **FIREFLY 130**



## FLANGED LOFT CONE




Recessed downlights are used in many Australian homes and businesses. Although they give the attractive crisp white light which makes them very popular, they also represent a potential fire hazard, especially when buried in loft insulation.

Numerous house fires have been caused by the ignition of combustibles in ceiling spaces caused by hot downlights being mistakenly covered with loft insulation and for this reason the regulation for fitting downlights has been tightened, this legislation is covered by AS/NZS 3000:2007.

TENMAT are known worldwide for the development and manufacture of fire protection products. To meet the needs of AS/NZS 3000:2007, TENMAT have developed the Flanged Loft Cone.

The Flanged Loft Cone meets the latest needs of AS/NZS 3000:2007 and international standards for a lighting product when covered with insulation. It adheres to the maximum external temperatures requested by the Australian Technical Regulator even when cool beam lamps are used.

### Key Features & Customer Benefits

- “F-Capped” Approved 
- Reduces fire risk by keeping combustibles away from hot downlight
- Meets the latest needs of AS/NZS 3000 : 2007 and international test standards for a lighting product
- Fully tested to prevent overheating
- Can be fitted tightly against ceiling joists
- Save energy by limiting heat loss into loft space
- Allows continuous insulation over lights
- Limits drafts, improves air tightness and reduces moist air flow into loft space
- Firefly material withstands temperatures of +1000°C



FF130 Flanged Loft Cone fitted within insulation



FF130 Flanged Loft Cone

### TEST DATA

TENMAT Flanged Loft Cones are tested and fully comply with:

BS EN 60598.1 and BS EN 60598.2.2

The successful testing ensures approval for use with max. 50W aluminium and dichroic reflector lamps and installation in direct contact with combustible and non-combustible sheet materials.

Full compliance to the standard was obtained, resulting in “F-Capped” Approval.

Test Report No. - L10539 / The Lighting Association

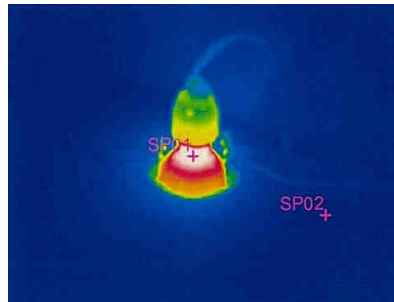
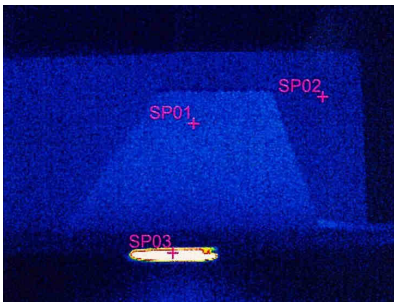
# FIREFLY 130 FLANGED LOFT CONES



The Flanged Loft Cone has been developed to reduce the risk of fire caused by the overheating of downlights.

The fire resistant Flanged Loft Cones ensure that insulation and combustibles are kept away from the downlight when installed in loft spaces.

The difference in a downlight with and without a Flanged Loft Cone can be seen via thermal image photography below, in particular see how the excessive heat of a downlight could be a possible point of ignition.



Thermal Image with Flanged Loft Cone      Thermal Image without Flanged Loft Cone

## Sizes Available

Firefly 130 Flanged Loft Cone is suitable for downlights with cut-out dimensions of 70 - 100mm.

Flanged Loft Cone Dimensions:

Internal Height = 150mm

Internal Diameter = 200mm

Ceiling accessories should be fitted in accordance with manufacturer's recommendations.

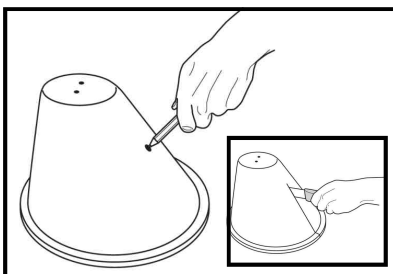
For further technical information please contact TENMAT.

**TENMAT's products are protected by patents and design registrations**

## Fitting Instructions

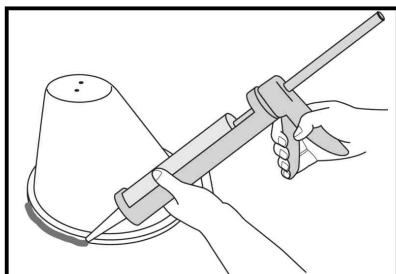
### STEP ONE

Make a small hole or slit in the Loft Cone for cable



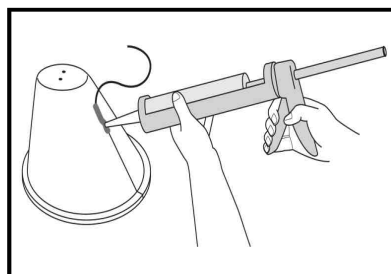
### STEP FOUR

Seal around base of Loft Cone with silicone sealant to secure in place.



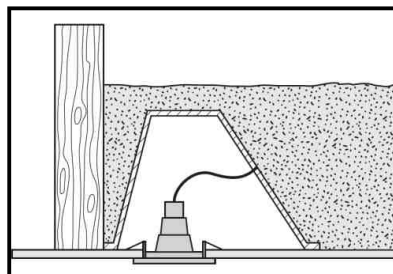
### STEP TWO

After placing cover over downlight, pass cable through Loft Cone and seal up any holes or slits with silicone sealant.



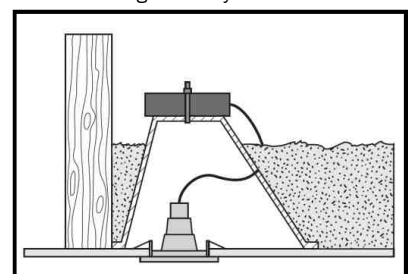
### STEP FIVE

If insulation will cover or bury the Loft Cone, the transformer must be mounted clear of insulation following transformer manufacturer's recommendations.



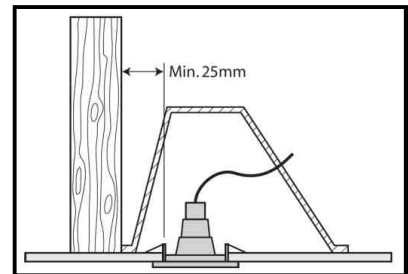
### STEP THREE

If insulation level will not completely cover or bury Loft Cone, the transformer can be located on the top of the Loft Cone, securing with a nylon cable tie.



### STEP SIX

NB. The Loft Cone is approved for installation in contact with combustible surfaces, e.g. timber. The downlight must be min. 25mm away from joist.



Agent / Distributor

For more information on the range of  
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