

# Tenmat Loft Covers

Tenmat's Loft Covers are downlight protection covers that enable the safe installation of recessed downlights under loose or rolled loft/attic insulation.

## Product Description

The most recent fire safe installation guidance requires recessed spotlights to be protected from contact with combustibile and non-combustibile loft / attic insulation.

Any downlight protection cover should be proven to be safe when installed with insulation, previously known as being F-capped, IP6X Dust Tight and tested for any lamp type up to 50W to BS EN 60598-1/ BS EN 60598-2.

With energy saving being more important than ever, increasing the thickness of loft/attic insulation is one of the most simple and cost effective measures to improve the energy efficiency of homes.

Insulation thicknesses are recommended to be at least 300mm and this can result in recessed downlights becoming completely buried. It is no longer acceptable to install insulation without ensuring downlights are protected due to a significant risk of reduced lamp life, malfunction or in the worst case a roof fire.

Similarly it is clear that the old practice of leaving a gap around an unprotected downlight is an open path for heated or conditioned air to be lost into the roof space and energy saving and air tightness to be compromised.

The Tenmat Loft Covers are specifically designed to ensure a fire safe installation for a wide range of recessed downlights and enable loose or rolled insulation, both combustibile and non-combustibile to be installed safely over the position of downlights. The covers also significantly reduce the air leakage and energy losses associate with downlights in ceilings.

Tenmat Loft Covers solve all of the above issues with a simple to install product.

## Product Details

- ECO Loft Insulation Compliant
- Tested to meet the CITB "General requirements and guidance for the installation of cold roof loft insulation"
- Meets Electrical Safety First recommendations
- IP6X Dust Tight
- Tested to BS EN 60598-1 / BS EN 60598-2
- Needle Flame tested to BS EN 60695-11
- Glow Wire Tested to BS EN 60695-2-10
- Suitable for both Halogen or LED light fittings
- Proven to improve light output and lamp life of LED lamps
- Angled profile of the Loft Cover allows the cover to be positioned close to angled roof timbers
- Can be fully covered with loose/blown or rolled insulation



## Test Data

Test Type	Test Lab	Test Standard	Result
Flammability - Needle Flame	Lighting Industry Association	BS EN 60695-11	Pass
Flammability - Glow Wire Test 650°C	Lighting Industry Association	BS EN 60695-2-10	Pass
Heat Build Up Testing	Lighting Industry Association	BS EN 60598-1 and BS EN 60598-2-2	Pass
Dust Tightness/Particle Ingress	Lighting Industry Association	BS EN 60598-2 (Section 9)	IP6X

Tenmat Loft Covers have been tested and proven to maintain LED lamp life by offering a stable running temperature which may otherwise be affected in temperature extremes in a roof space. LIA Report L13178

## Sizes

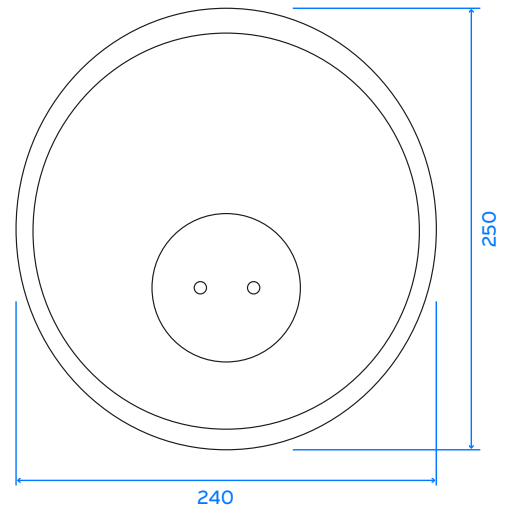
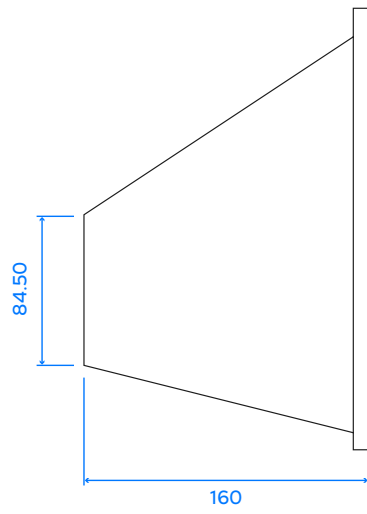
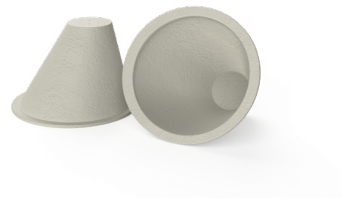
Loft Cover	Nominal Height	Nominal Diameter (top)	Nominal Diameter (base)
FF130 Loft Cover	160mm	85mm	250mm
FF130R Rollable Loft Cover	220mm	30mm	220-230mm (ellipse)

## Packaging

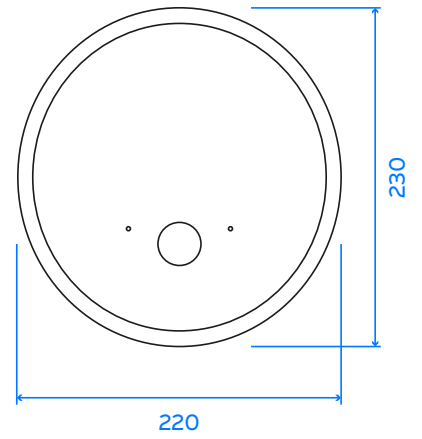
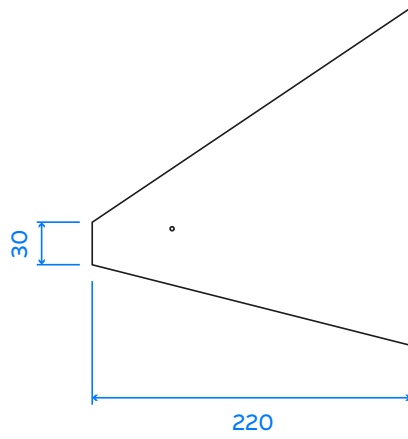
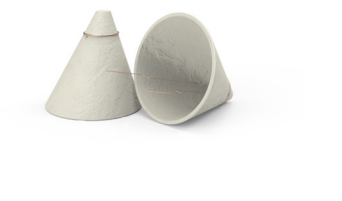
Product Name	Box Quantity	Pallet Quantity
FF130 Loft Cover	300	1200
FF130R Rollable Loft Cover	150	600

Product Dimensions

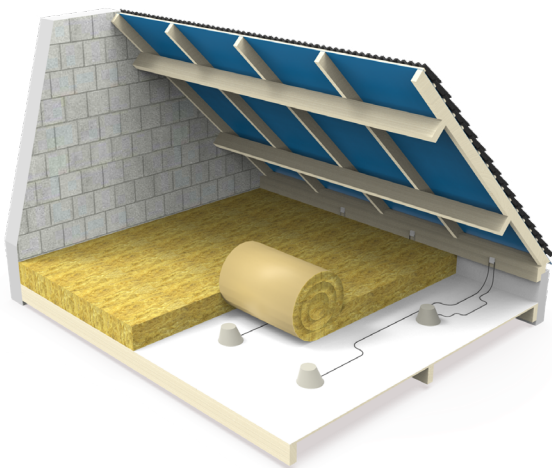
FF130 Loft Cover



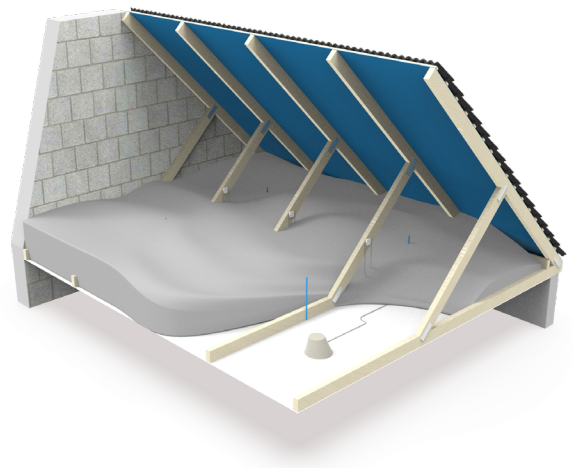
FF130R Loft Cover



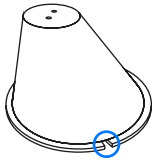
Rolled Insulation Detail



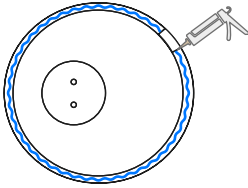
Blown Insulation Detail



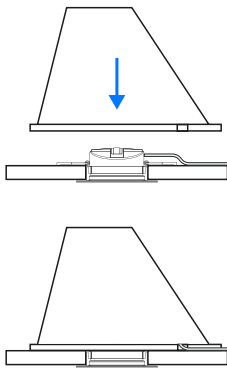
## FF130 Loft Cover - Installation Instructions

**STEP 1**

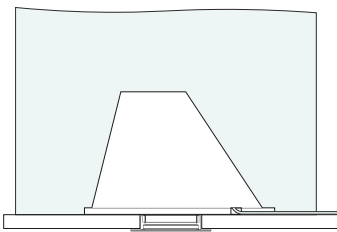
Make a small hole or slit in the Loft Cover for the cable.

**STEP 2**

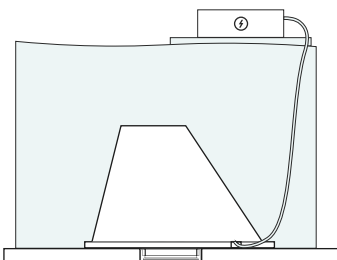
Seal any holes/slits and cover the base with sealant (general purpose silicone sealant or similar intumescent acrylic sealants can be used but are not a requirement).

**STEP 3**

Sit FF130 Loft Cover over downlight and press into place. Ensure a dust tight seal.

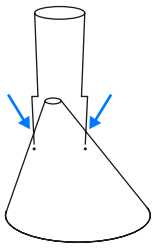
**STEP 4 (option 1)**

Loft insulation can fully cover the FF130 Loft Covers.

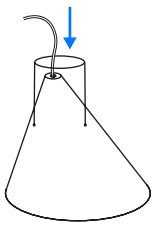
**NOTE**

Transformers must be located above the insulation (CITB Guidance recommends placing the transformer on a suitably sized plate, typically 150x150mm, made from non-combustible material which sits on top of the insulation).

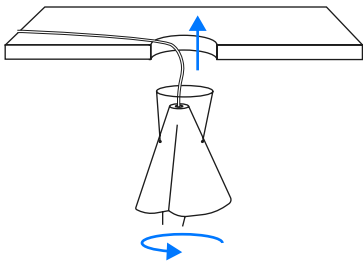
## FF130R Loft Cover - Installation Instructions

**STEP 1**

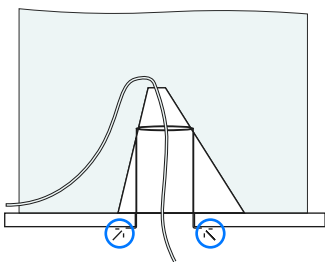
Fit the fixing wire through pre punched holes at the top of the cover.

**STEP 2**

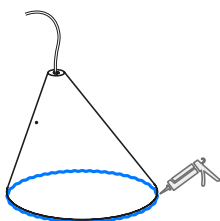
Make a hole in the top of the cover to pass cables through. Ensure this is a tight fit.

**STEP 3**

Ensuring the wire is held above the cover, grasp the legs firmly and roll cover into a tight cylinder. Feed the wire then the cover through the ceiling cut-out.

**STEP 4**

Ensure the cover springs back into shape. Pull down on the legs until the L-Section locates underneath the ceiling. Cut off the excess wire. The downlight can be fitted as normal.

**OPTIONAL STEP**

If fixing wire is not required, the Loft Cover can be bonded to the ceiling with a bead of silicone sealant.

Notes

A series of horizontal dotted lines for taking notes, spanning the width of the page.

# Loft Covers

---

Tenmat Ltd  
Ashburton Rd West, Manchester  
M17 1TD United Kingdom

+44 161 872 2181  
fpsales@tenmat.com

tenmat.com



Advanced materials.  
tenmat.com



Part of the  
Diamorph Group

Tenmat warrants the materials it produces will conform to Tenmat specifications and approved drawings where applicable. It is entirely the customer's responsibility to make the final product choice and satisfy themselves of the suitability of the product for the intended application, carrying out testing where required. For construction projects, all products which the customer is intending to use on a particular project must be approved in writing by the customer's building designer, system designer or design control professional, to ensure compliance with the latest regulations.

The information contained in Tenmat data sheets is presented in good faith. Tenmat Limited makes passive fire protection product suggestions based solely upon and limited to the information made available to Tenmat. Tenmat possesses knowledge of fire test data and offers manufacturers installation advice. Within reason, Tenmat is skilled at offering opinion concerning the installations in question, and can comment on interfaces with other construction materials, but this is not a recommendation or decision. Decisions on overall building fire strategy are not made by Tenmat. Tenmat products have been tested for a wide range of construction types, and they must be only used in accordance with Tenmat test evidence. Each specific Tenmat product must be installed into a construction that matches the corresponding test report. Tenmat product performance requires safe and proper handling and correct installation.