

PHS Fire Rated Loft Cone

PHS Fire Rated Loft Cone allows for safe and efficient use of recessed downlights. Loft Cone meets the latest needs of BS EN 60598 and other international standards for lighting. It's 'F-capped', meaning insulation can be fitted against the loft cone, as well as above it. When Using the loft cone, a continuous airtight and thermal envelope is maintained, increasing the building space heating efficiency and reducing the risk of surface condensation. Recessed downlights represent a potential fire hazard, caused by heat loss and surface condensation. A recessed light is required to be installed with minimum distances from insulation, creating cold bridges in the thermal envelope. This can result in surface condensation as the warm, moist, internal air will condense on the cold, uninsulated surface. Downlights are also likely to cause air leakage



Advantages

- Tested for 50-Watt lamps,
- IP6X dust tight,
- Save energy by limiting heat loss into loft space,
- Allows continuous insulation over lights,
- Fully tested to prevent overheating,
- Reduces fire risk by keeping combustibles away from hot downlight,
- Rigid and capable of supporting loft insulation away from light fitting,
- Greendeal, CITB & PAS 2030 Compliant,
- Energy Efficiency Partnership for Homes (EEPN) Compliant.

Application

Suitable for downlights with cut-out dimensions of 50 - 100mm:

- Make a small hole or slit in the Loft Cone for the cable.
- After placing cover over downlight, pass cable through Loft. Cover and seal up any holes or slits with silicone sealant.
- If insulation level will not completely cover or bury Loft Cone, the transformer can be located on the top of the cover, securing with a nylon cable tie.
- Seal around base of Loft Cone with silicone sealant to secure in place.
- If insulation will cover or bury the Loft Cone, the transformer must be mounted clear of insulation following transformer manufacturers recommendations.
- NB. The Loft Cone is approved for installation in contact with combustible surfaces, eg timber. The downlight must be min. 25mm away from joist.

Technical Data

Material	Mineral Fibre
Bulb Power	50W Max
Fire Rating	30 minutes
Accessories	Intumescent sealant
Vapour & Air Tight	Yes
Specification	Thermal test BS EN 60598 Section 12.4 & BS 476 Part 20

Please note: No part of the fitting should touch the inside of the downlighter cover when the cover is centrally located above the cut hole.