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# Downlighter Cover - Installation Guide

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NHBC  
TYPE APPROVAL

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## Introduction

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The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of service penetrations in fire rated structures using the Astro DL COVER

All service holes through floors and compartment walls must be fire stopped to prevent the passage of fire, smoke and hot gases.

- Prevent the spread of fire, smoke and hot gases through a building by containing it in the compartment of origin.
- Maintain the integrity of escape routes from a building.
- Reduce loss or damage to property from the effect of fire and smoke.
- Maintain pressure differential between compartments and ventilation channels.

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## THE ASTRO intumescent downlighter cover SYSTEM

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ASTRO DL Cover has been developed to provide maximum fire protection for holes created in ceilings by the introduction of downlights and to allow for maximum ease of fitting.

In a fire the downlighter cover expands internally to fill all the available space with a highly insulating fire resistant char. Thus, the fire is unable to penetrate the hole and the cover provides insulation protection to the ceiling void to reduce the chance of heat build up and ignition of flammable materials such as accumulated dust and loft insulation.

**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. If contact is made then a large cover is required.

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## Availability

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SMALL 150 x 150  
To suit cutout 50 –75 mm

MEDIUM 200 x 200  
To suit cutout 75-100 mm

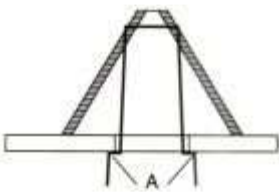
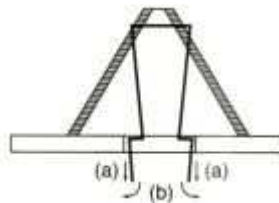
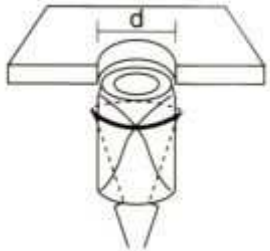
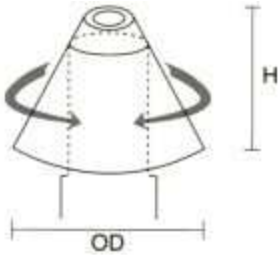
LARGE 250 x 250  
To suit cutout 100-140mm

X- LARGE 300 x 170  
To suit cutout 145 -270mm

XX - LARGE 350 X 230  
To suit cutout 145-270 mm

## Installation

To install small, medium or large cover.



### Step One:

Grasp legs firmly and roll cover into a tight cylinder. Ensure wiring loom is through slot before installation.

### Step Two:

Keeping a tight grip on the legs, feed the cover through the cut out made for the downlighter.

### Step Three:

Ensure cover has sprung back into its original cone shape.

(a) Grasp legs and pull down until L section clears the underside of the ceiling.

(b) Move legs out until vertical part of L section normal is flush with the side of the cut out.

### Step Four:

Release legs so that they grip the underside of the tile. Remove the excess of both legs. Cut at point A. Once cover is in place, downlighter can be fitted as normal.

The completed installation.



To install X-Large or XX-Large Cover.



**Step One:** Flatten the cover



**Step Two:** Fold the cover into quarters by folding it in half once ....



..... and then folding it in half again.



**Step Three:** Pass the folded cover through the aperture.



**Step Four:** Then fit the downlighter cover as per the manufactures's instructions - cables may be pushed through the vent slots in the cover.

Check and ensure that there is a distance of 20mm minimum between the downlighter cover and any insulation or acoustic filling in the void.

Remote gearboxes and transformers must be situated outside of the downlighter cover.

The completed installation.



## Compliance

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Astroflame intumescent downlighter covers are manufactured in the EU, meeting the highest quality standard in compliance with ISO EN 9001:2000 . For fire test certification contact Astroflame Fireseals technical department.

## Fire Test and Assessment Reports

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BRE to BS EN 1365-2 :200  
Report no. CC 203791A.

BS 476 Part 22 1987.  
Report no. CHILT/A02166B

BS 476 Part 23 1987.  
Report no. FEA/F00063  
NHBC Type Approval.

## Storage and disposal

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Astro DL Covers should be stored indoors. No shelf life is given as this product will not deteriorate in storage.

For additional testing, certification or technical information please contact ASTROFLAME FIRESEALS LTD.

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