

emergency lighting

The current Fire Precautions Act and the Health and Safety at work act make it compulsory that an adequate means of escape in all places of work and public resort is provided; emergency lighting is a vital part of this requirement. whitegoods can provide a full range of emergency conversions to help meet the current statutory requirements using a remote 3 hour emergency battery back-up system. Below we have identified the four main types which currently can be supplied:

Maintained – Emergency lighting where the lamps are in operation from the mains power supply during standard operation. In emergency mode one lamp remains illuminated by use of the remote emergency battery back-up pack. (Usually one lamp remains on in multi lamp luminaires)

Non-Maintained – Emergency lighting where the emergency lighting lamps come into operation only when the normal power supply fails, again utilising the remote battery back-up pack.

Sustained – The luminaire is fitted with 2 sets of lamps, one of which operates on mains voltage, while the secondary lamp operates from a remote battery backup system which illuminates in the event of mains failure.

Auxiliary Lamp – When metal halide luminaires are used for an emergency luminaire, due to the nature of the lamp a continuous illumination can not occur between the change from mains voltage to battery back-up. Due to this a secondary lamp (usually tungsten halogen) can be installed within the luminaire which, once the mains power is lost, the secondary lamp illuminates, powered by a non-maintained remote battery back-up pack.

All of our emergency units are supplied with an enclosed pre-wired remote emergency pack with charge LED indicator, which all conveniently fits through the luminaire body for ease of installation and maintenance.

If required we can also supply the latest DALI controlled emergency packs. Please contact us to discuss your specific requirements.

NB: Please note that emergency units should not be run for an extended period as this can cause lamp life to deteriorate. It should be emphasised that the above information is intended to provide guidance only; it is recommended that you contact the relevant bodies for additional information.

intumescent fire hoods

When installing our luminaires, in certain circumstances a protective fire resistant hood may be required. The current Building Regulations stipulate that breaches in building elements (i.e. ceilings) need to be sealed to maintain the necessary fire resistance (please refer to appropriate building regulations governing your installation).

Fire hoods are currently available for our full range of luminaires including down lights, linear fixtures and panel systems. Depending on the particular luminaire we can offer a range of solutions from hoods to fire tents.

downlight fire hoods

Downlight fire hoods can be supplied in a range of sizes dependent on the luminaire used. Fixing can be carried out from below the ceiling and the hoods require no additional support during installation. Please note that when specifying fire hoods an additional 100mm horizontal clearance and 50mm vertical clearance is required for installation.

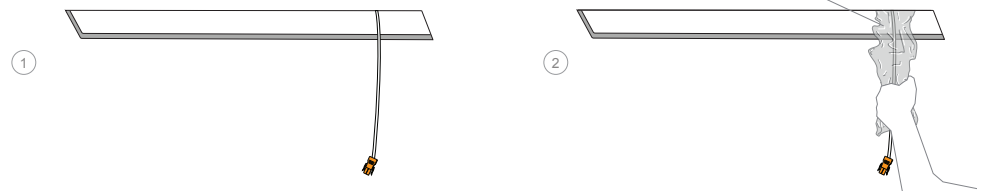


Drop the supply cable through luminaire hole cut-out

Pass the supply cable through fire hood and squeeze together while feeding the fire hood through the ceiling aperture

linear/continuous linear/panel fire tents

Due to the size of these types of luminaire we can offer a range of fire tents. These offer the same fire resistance properties and ease of installation as the fire hoods. They require an additional 100mm horizontal clearance and 50mm vertical clearance.



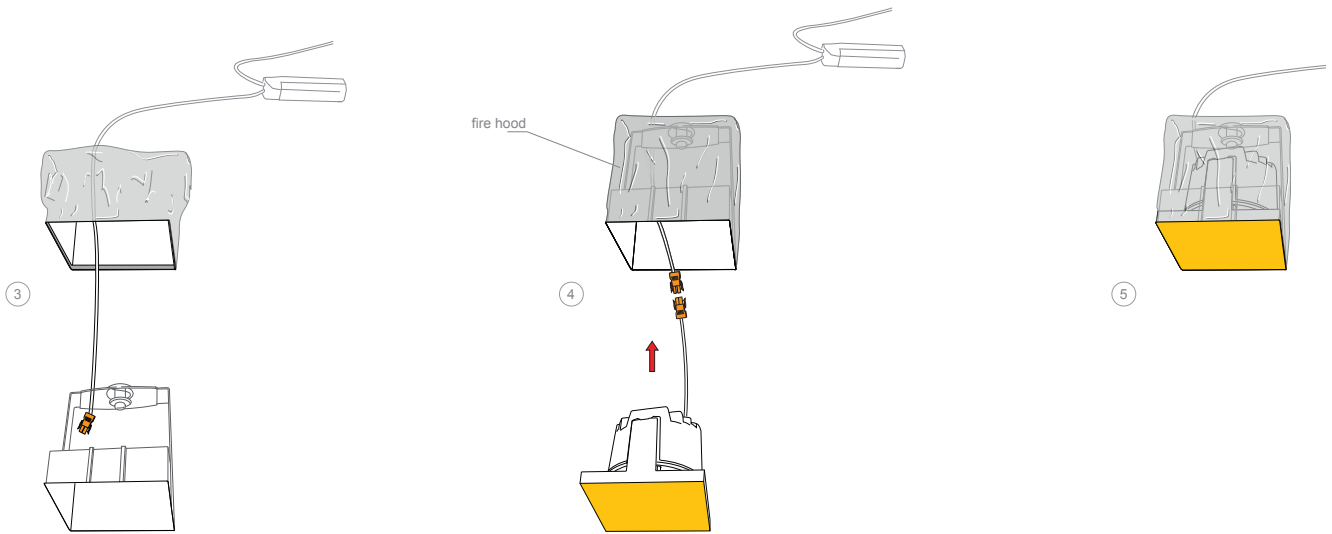
Drop power cable through luminaire hole cut-out

Pass power cable through fire hood and squeeze downlighter cover and push up into the hole

NB: It should be emphasised that the above information is intended to provide guidance only; it is recommended that you contact your local building control office for further advice and information.

performance

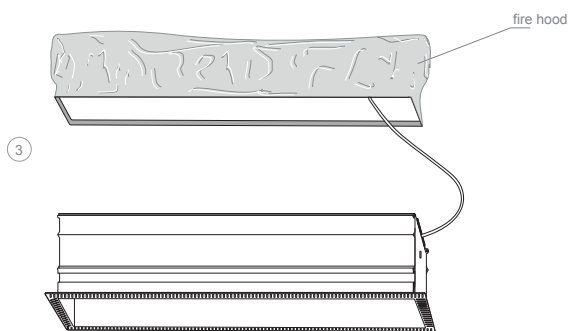
This product has been tested employing the general procedures of BS476 Parts 22, 23, and 23 (Clause 5) (1987), in various ceiling and floor constructions. Integrity results of up to 240 minutes have been achieved. Also tested to NEN 6069 (1997).



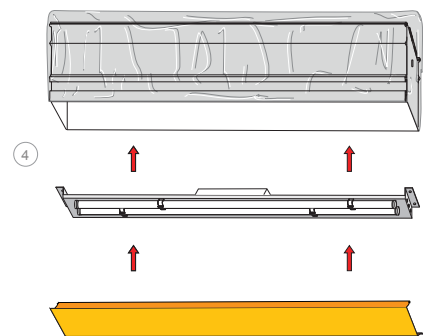
Using the fasteners supplied, fix the fire hood onto the plasterboard ceiling then fit the mounting frame as usual

Using a suitable tool, open out the cover fully. Connect luminaire to the supply cable

Push fixture into housing and push click into place



Insert luminaire body into aperture taking care not to damage the fire tent



Insert gear tray and diffuser