

Fire Protection and Acoustic rated Downlight - Fixed

NL12FRFW NL12FRFC NL12FRFS

Luminaire suitable for 30 Min. 60 Min. and 90 Min. fire rated timber and suspended ceilings



90 minute protection

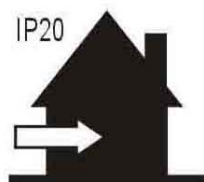
Fire Rated MR16 12Volt Low Voltage Fixed Downlight.



BS EN ISO 140-3: 1995 & BS EN ISO 140-6: 1998 (Acoustic rating) PART "E"

BS476 Part 21 Part "C" Compliant.

Stops moisture & air flow through the luminaire.



PLEASE ENSURE THESE INSTRUCTIONS ARE READ THOROUGHLY BEFORE INSTALLATION AND A COPY IS AVAILABLE FOR FUTURE REFERENCE

Important Information:

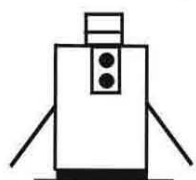
It is recommended that luminaires are installed and fitted by a qualified electrician ensuring the installation complies with the current IEE wiring regulations BS7671 1992. This product is designed for connection to a Low Voltage 12Volt supply, using a SELV safety isolating transformer 12V max output.

Always switch off the mains supply before servicing, fitting or replacing lamps.
Always check the lamp is correct for the application including its wattage and voltage.
Special attention should be paid to any installations with low ceiling voids.
Never exceed the maximum wattage.
Ensure the lamp is correctly located in the lampholder.

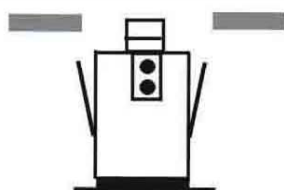
Installation Instructions

We recommend that a sample hole be cut in some scrap material to familiarise yourself with the installation. Once you are completely satisfied:
Locate the areas suitable for installing these luminaires.
Cut a suitable hole in the ceiling and ensure sufficient ceiling void without infringing on joists, water pipes or electrical cables.

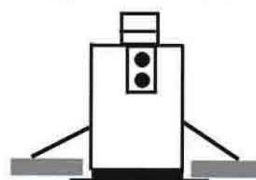
Stage 1. Read instructions and check you have all the tools and accessories to complete the installation correctly.



Stage 2. Cut a suitable hole in 60 or 90 minute fire rated ceiling.



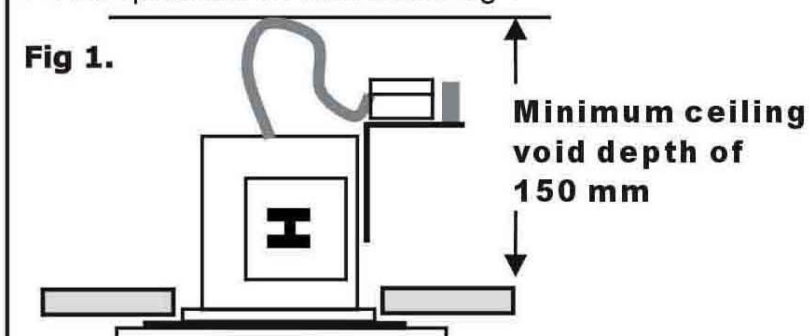
Stage 3. Press springs back and push luminaire body into aperture. Connect luminaire to a Low voltage 12V supply.



Installation instructions (continued)

Connect this product to a low voltage 12 volt supply.
(Ensure the transformers installations instructions are followed fully)
Always ensure the area surrounding the luminaire is cleared of any flammable substances.
Ensure there is adequate free air flow around the fitting.
There must be at least 0.5m distance between the front of the luminaire and the nearest illuminated surface. Do not install this product into new plaster or damp areas.

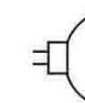
Fit this product as illustrated fig 1



Hole size required: 72mm (Fixed Downlight)

Replace failed lamps immediately:
Always allow the lamp and fitting to cool before replacing lamp.

Lamp required: **Aluminium reflector / coolfit lamps only**
MR16 (GU5.3)
Max Wattage: 50 W
Voltage: 12V
Sylvania Halogen Eco



To meet "Part C" of the building regulation and provide sufficient air-tightness to avoid condensation forming in cold un-vented roof spaces a seal is fitted in front of the lamp. This luminaire is suitable for installations where vapour permeable membranes are installed.



DO NOT COVER WITH INSULATION MATERIAL

The maximum lamp rating is 50 watts - Aluminium Reflector lamps are recommended.

When your light comes to the end of its life or you have chosen to change it, please do not dispose of it with your normal house hold waste or by using a local amenity tip. When you buy a replacement fitting take this fitting to your retailer for them to recycle. Regulations (**WEEE Directive effective July 2006**) will oblige retailers & some recycling centres to take in **Waste from Electrical & Electrical Equipment.**