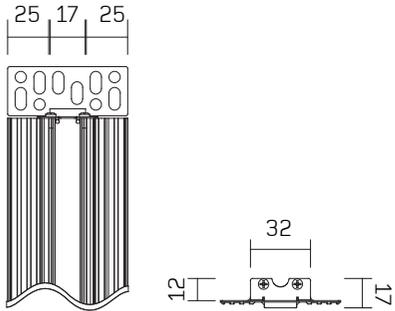


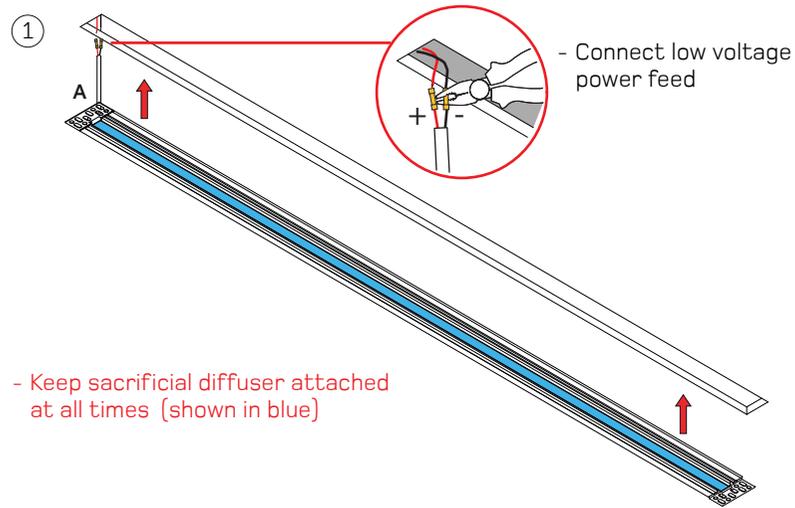
## installation instructions

20 linear plaster-in:  
cut out = length + 10mm x 47mm

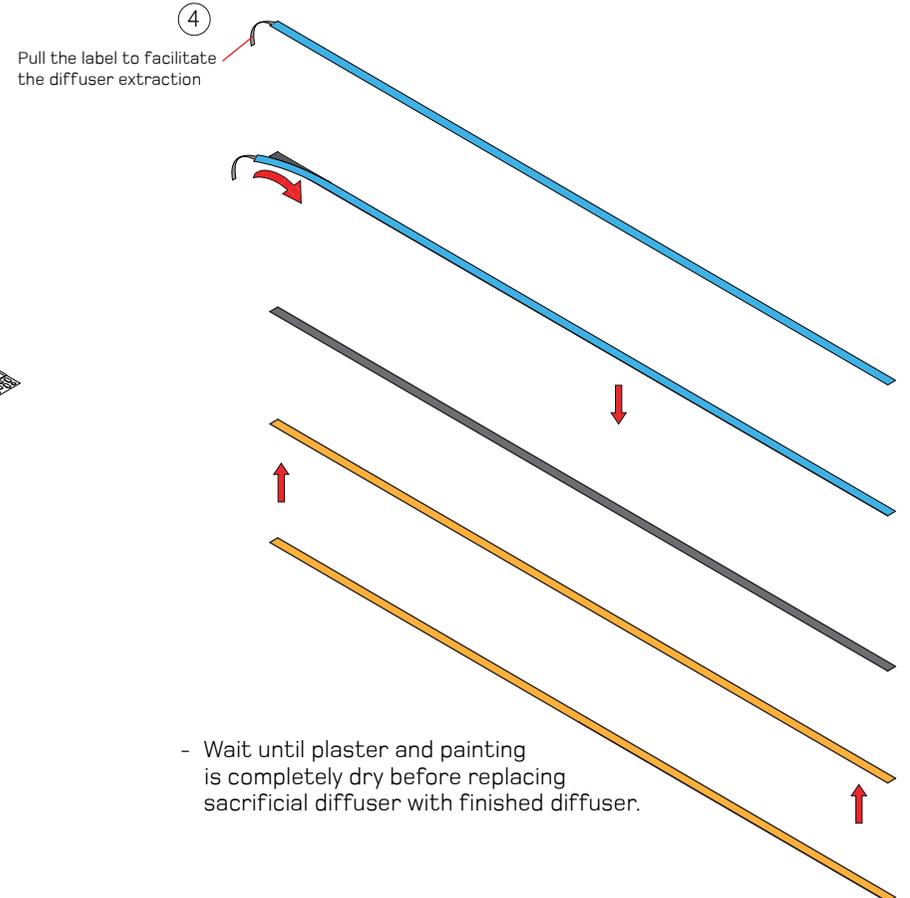
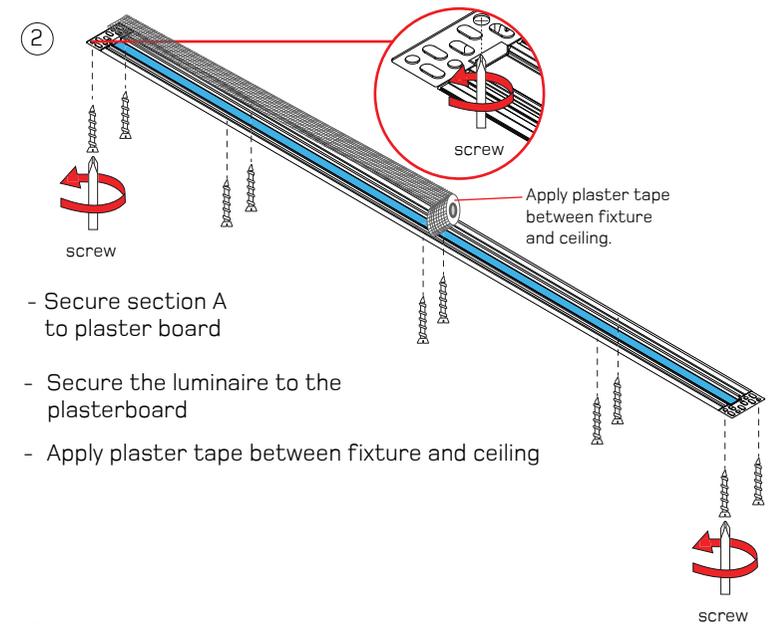
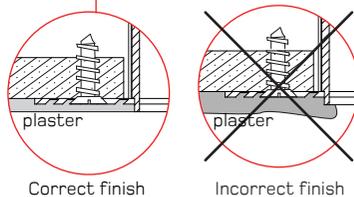
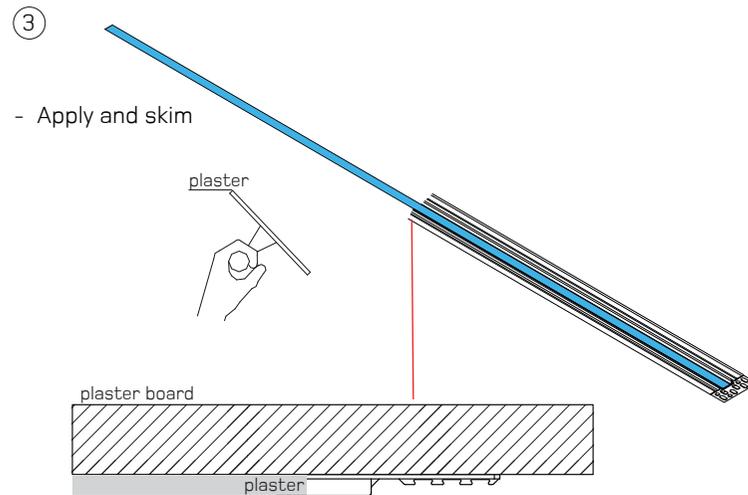
### P20LED-(mm)

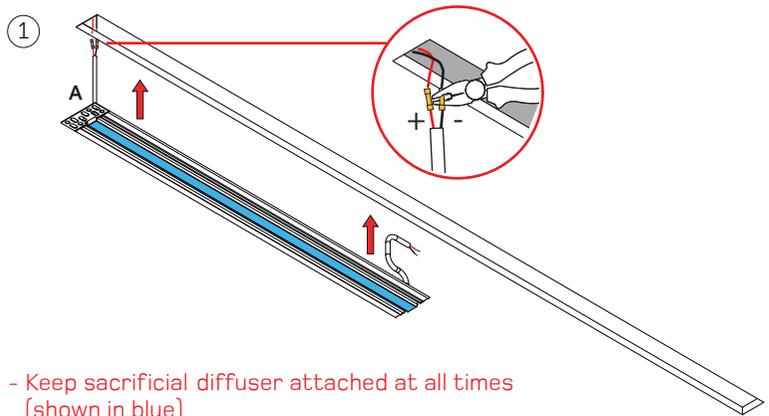


- ⚠ Ensure all mains power is switched off at source.
- ⚠ Do not attempt installation or maintenance on electrically live product.
- ⚠ Installation and maintenance to be carried out only by a qualified electrician or electrical contractor.
- ⚠ Ensure correct polarity.  
(Red/Brown/24Vdc is positive/LED+, Black/Blue/GND is negative/LED-)

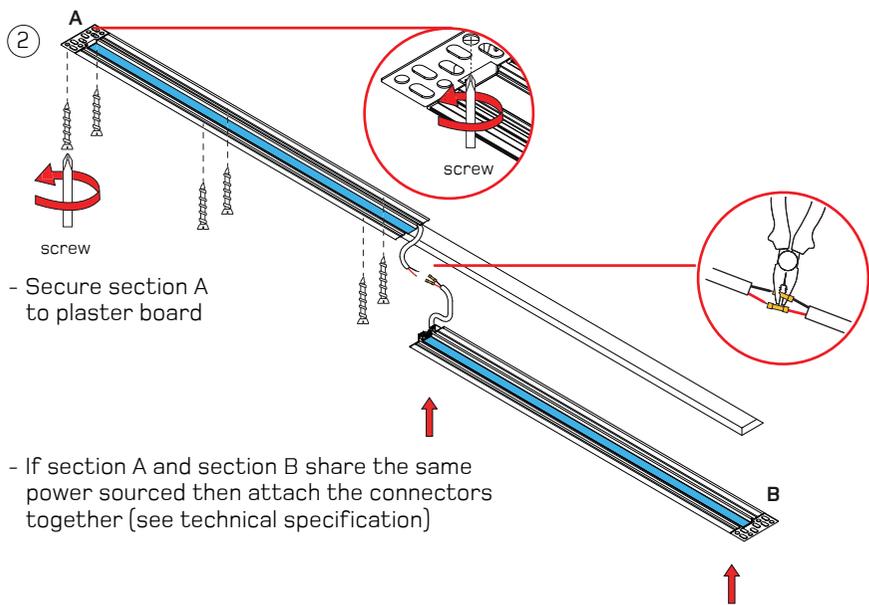


- Keep sacrificial diffuser attached at all times (shown in blue)



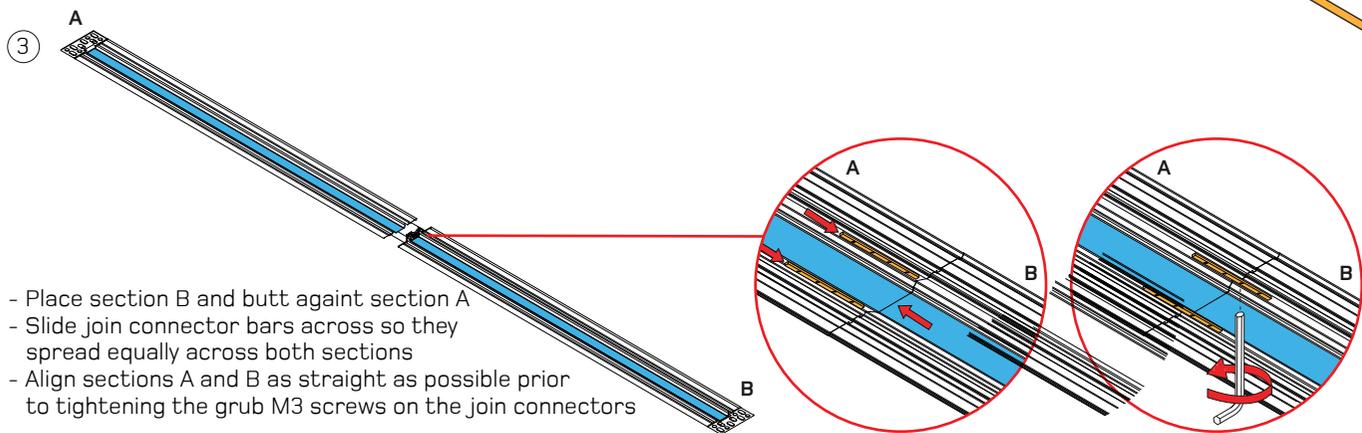


- Keep sacrificial diffuser attached at all times (shown in blue)

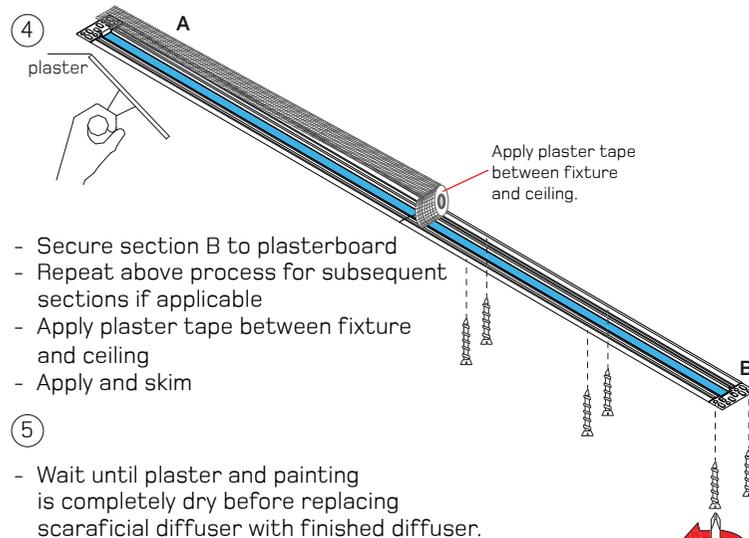


- Secure section A to plaster board

- If section A and section B share the same power sourced then attach the connectors together (see technical specification)

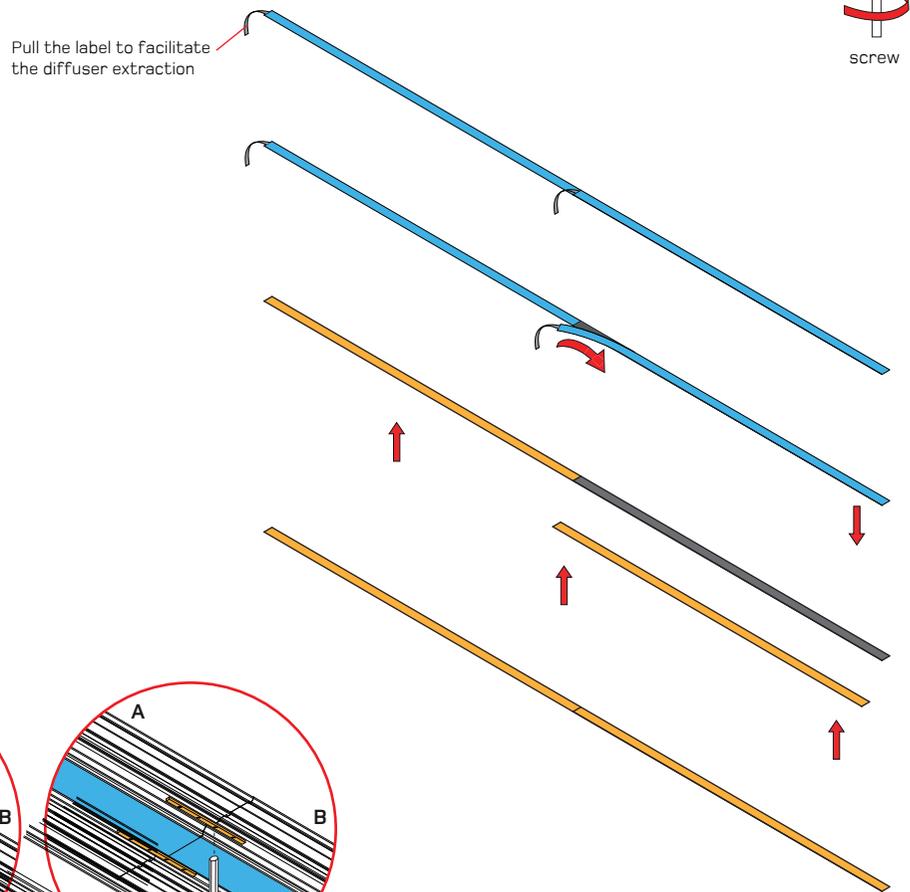


- Place section B and butt against section A  
 - Slide joint connector bars across so they spread equally across both sections  
 - Align sections A and B as straight as possible prior to tightening the grub M3 screws on the join connectors



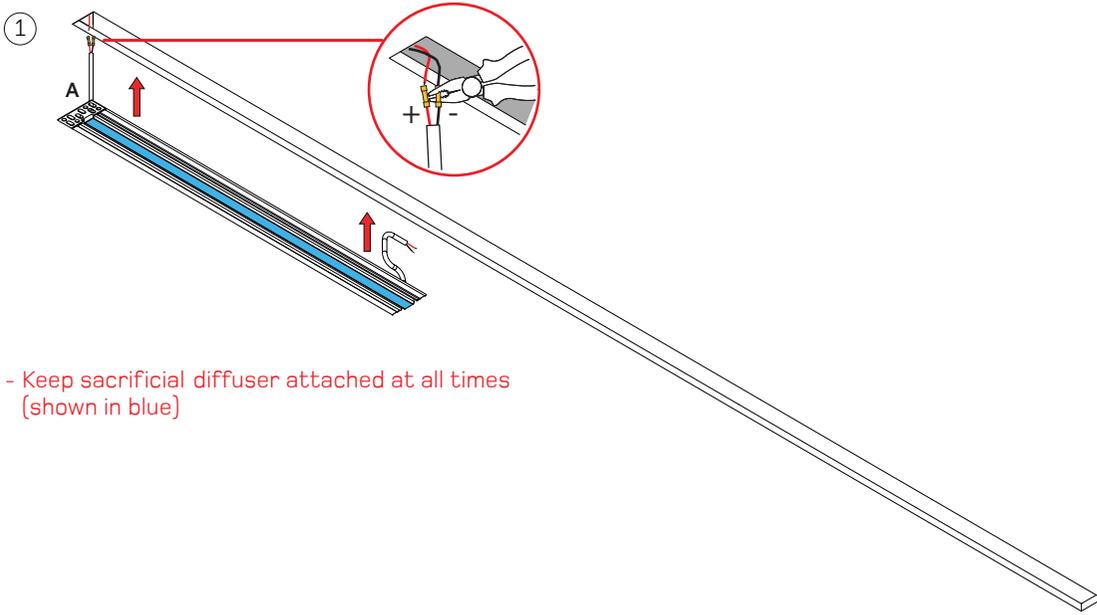
- Secure section B to plasterboard  
 - Repeat above process for subsequent sections if applicable  
 - Apply plaster tape between fixture and ceiling  
 - Apply and skim

⑤ - Wait until plaster and painting is completely dry before replacing scaraficial diffuser with finished diffuser.

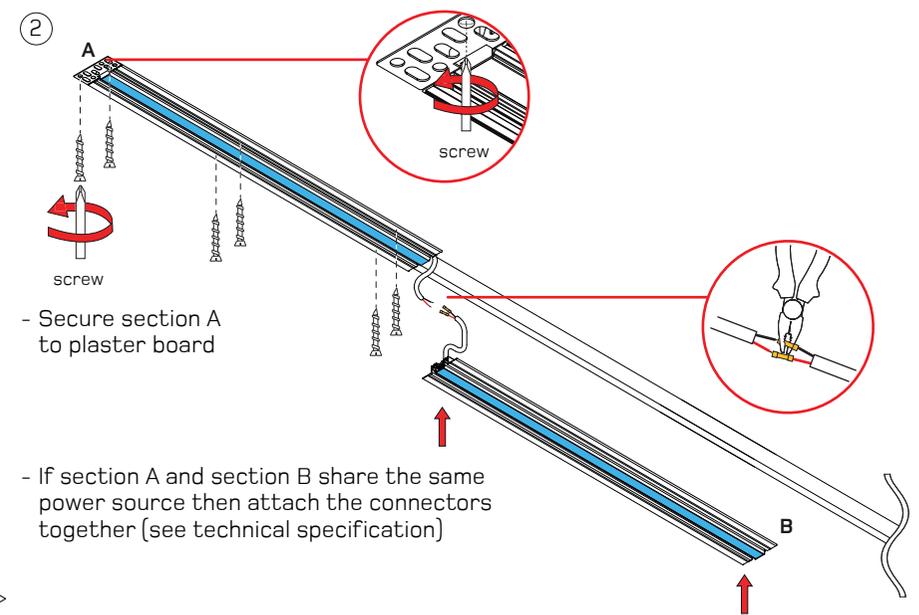


Pull the label to facilitate the diffuser extraction

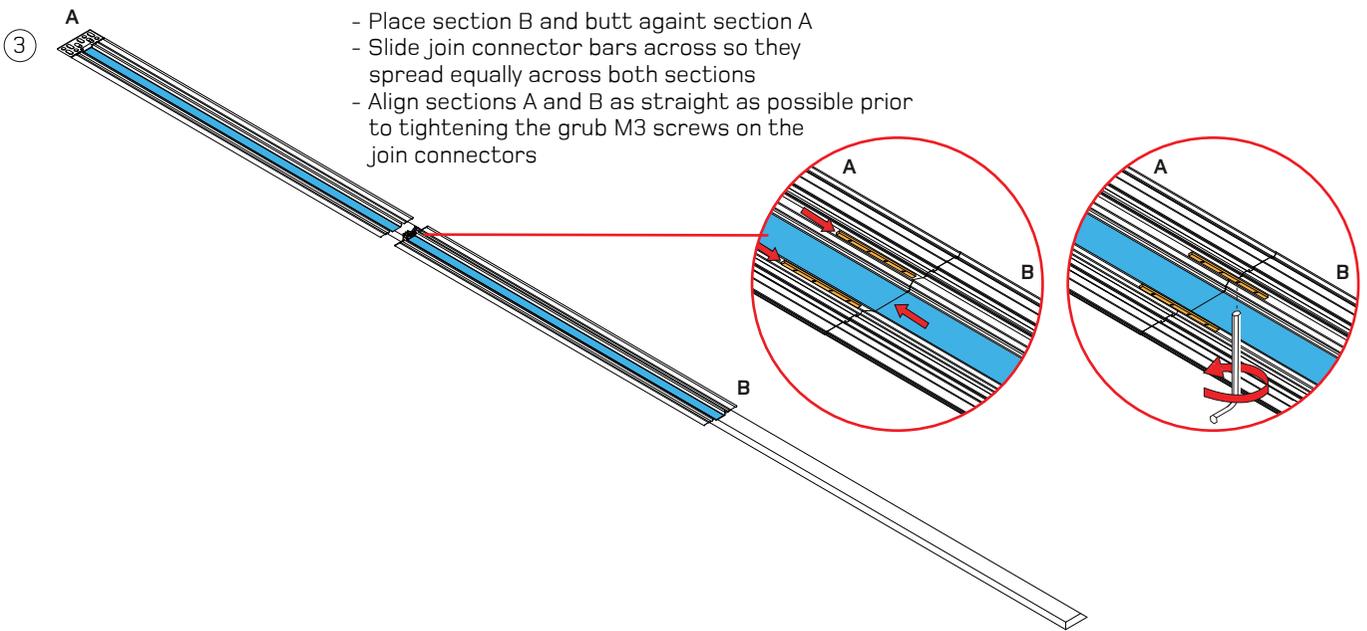
screw



- Keep sacrificial diffuser attached at all times (shown in blue)

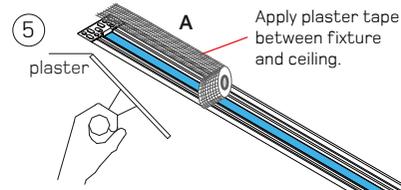
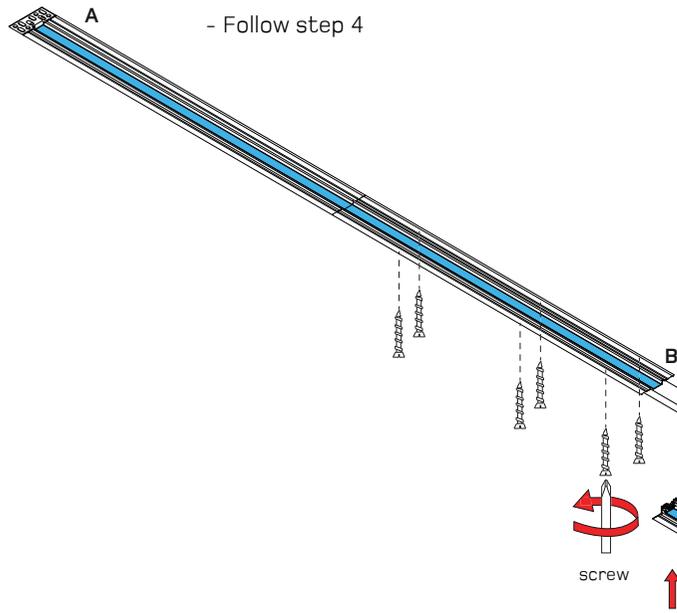


- Secure section A to plaster board
- If section A and section B share the same power source then attach the connectors together (see technical specification)



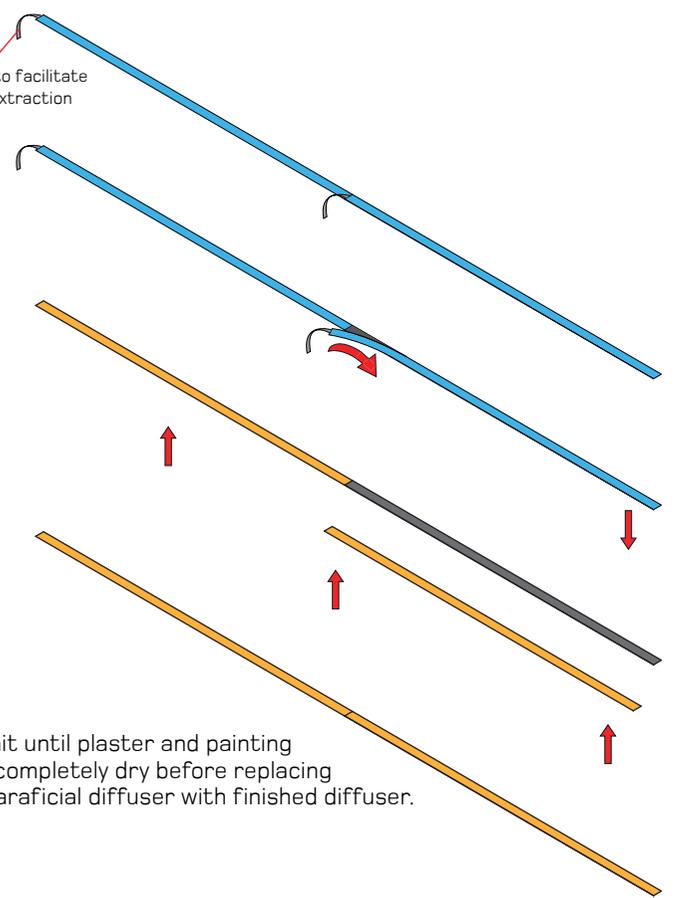
- Place section B and butt against section A
- Slide joint connector bars across so they spread equally across both sections
- Align sections A and B as straight as possible prior to tightening the grub M3 screws on the joint connectors

④ - Follow step 4

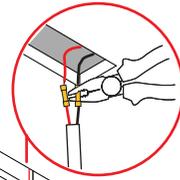


- Secure section C to plasterboard  
- Apply plaster tape and skim

⑥ Pull the label to facilitate the diffuser extraction



- Wait until plaster and painting is completely dry before replacing scaraficial diffuser with finished diffuser.



## Installation

The installation of these products should only be carried out by a suitably qualified electrician in accordance with the instructions supplied with the product. All installation instructions can be downloaded from our website. We recommend that they are included with construction issue drawings and specifications.

Ceiling void depths for recessed downlights and linear luminaires: The Ceiling void depth should ideally be 25mm deeper than the overall height of the luminaire. When a fire-hood and/or a remote emergency pack is to be used, the void depth and space surrounding the luminaire will need to be increased.

## Dimensions and specification

The drawings, dimensions and finishes of the products in this catalogue and any accompanying information are purely indicative. Great care is taken to provide up to date information in this publication, however, due to a continuing programme of design and development, we reserve the right to change these dimensions without prior notice. Please check the website for most up to date information. If a dimension is critical to the success of your project, please confirm it directly with the technical department. Throughout this publication, cut-out sizes refer to the aperture required when fittings are mounted in soft plasterboard. For fibrous tiles, timber, metal tiles and cast-in construction, check dimensions on site, or ask for a sample. Whitegoods reserves the right to discontinue any product in this publication at any time without prior notice.

## Performance

All photometric data supplied is taken from a standard production luminaire tested under ideal laboratory conditions and may vary from data taken in alternative conditions. All calculated light levels and/or lighting plots provided are offered for guidance only. The customer must satisfy themselves that luminaires proposed are suitable for the application intended in all performance and physical criteria.

## Temperature and physical environment

All products are tested with stated lamp wattage. Incorrect lamp types and wattages may effect efficiency, create glare and seriously overheat the luminaire. Adequate ventilation and free air space around fittings (in accordance with the installation instructions supplied with the product) will be necessary when used in confined spaces where elevated temperatures will occur. All luminaires are designed to operate in a maximum 30degree ambient temperature. Operating in ambient temperatures above this can affect performance and the mechanical functionality of the luminaire.

## Intellectual property

In order that we can continue to develop innovative quality products, we believe it is of critical importance that we protect our ideas and visions. Therefore any infringement of our intellectual property will be vigorously pursued.

## Returns

We cannot offer refunds on Custom or Tailored products, Standard product may be eligible for re-stocking within 3 months of original purchase date, subject to a 30% handling charge. All original packaging and documentation must be present and goods must be in original condition.

## Service

Whitegoods will endeavor to fulfill all orders as quickly as possible and treat all customers with the highest regard. For further information about Whitegoods products and services, please visit [www.whitegoods.com](http://www.whitegoods.com).

## WEEE directive



The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2002/96/EC on waste electrical and electronic equipment, together with the RoHS Directive 2002/95/EC which became European Law in February 2003, setting collection, recycling and recovery targets for all types of electrical goods. This imposes responsibility for the disposal of waste electrical and electronic equipment (WEEE) on the manufacturers of such equipment. To meet these targets Whitegoods has become a member of Lumicom to allow us to meet the current and future directives. For further information on the WEEE directive please contact our offices. WEEE Registration number is WEE/FG0362QY