

Whitecroft  
lighting

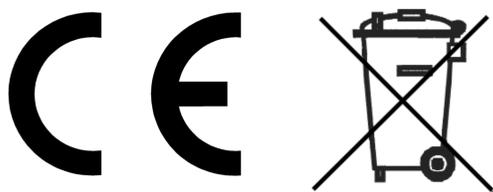
# LISTER



## Installation Instructions

PK/LEAFLET/LSTR3

March 2022 - Rev C



## Whitecroft Lighting Limited

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX

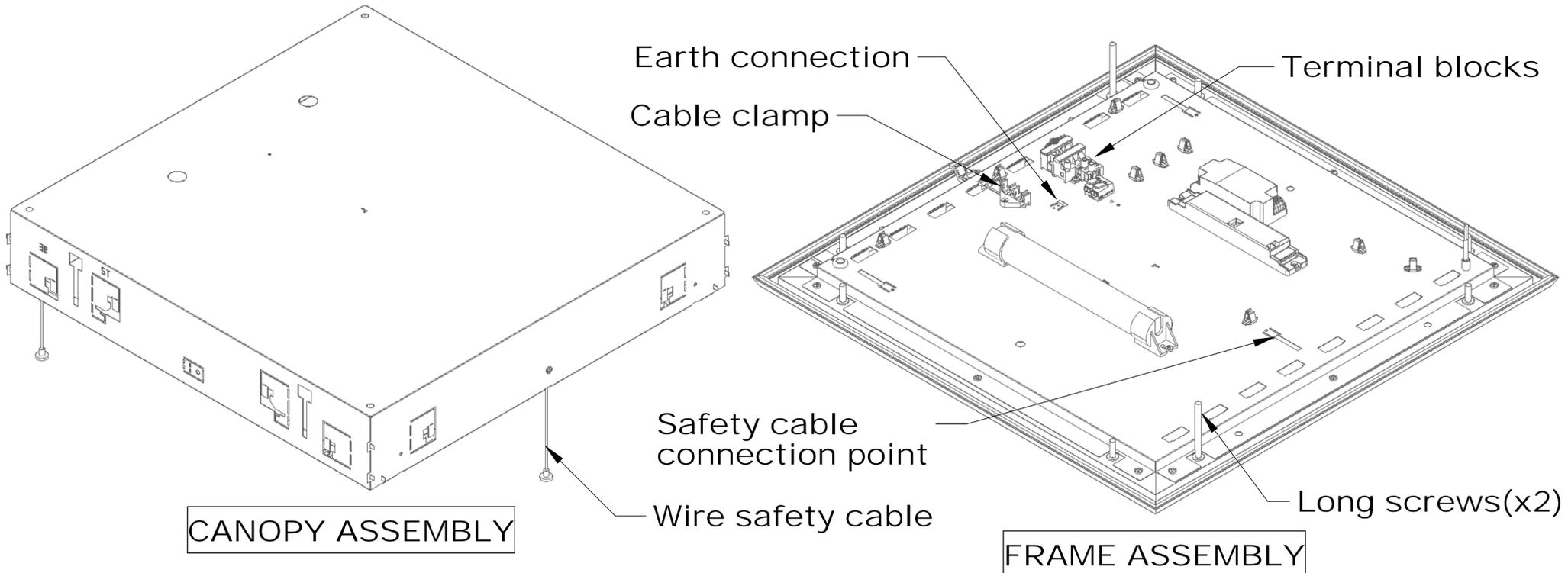
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Registered No. 3848973 England Registered Office: As above



## Installation preparation

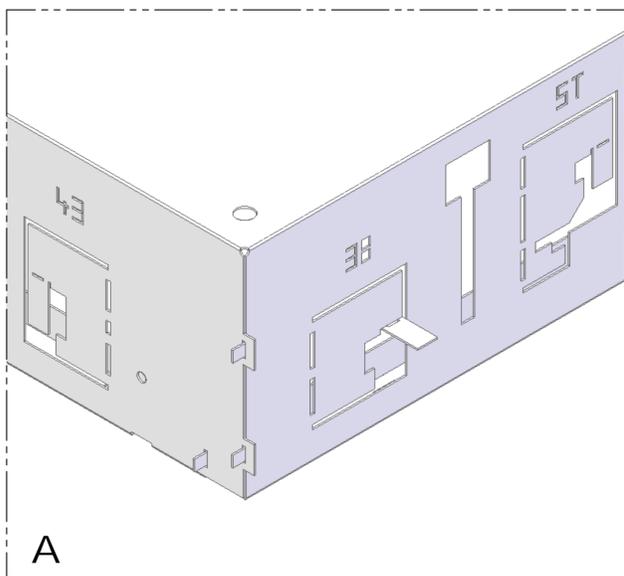
- 1 - NB! Refer to the general safety information notes on the back page of this leaflet before commencing any installation work.
- 2 - Remove the luminaire from the packaging & inspect the contents for damage.  
Nb Package contains separate screw cap cover kit -These should be retained for later use.
- 3 - Separate the frame from the canopy by unscrewing the frame retaining bolts.  
Please note that 2 diagonally opposite bolts are of a longer length.  
Detach the earth lead from the frame & set the frame assembly aside.  
Nb Ensure that all bolts are retained in the frame via the plastic retaining washers.



## Canopy Installation

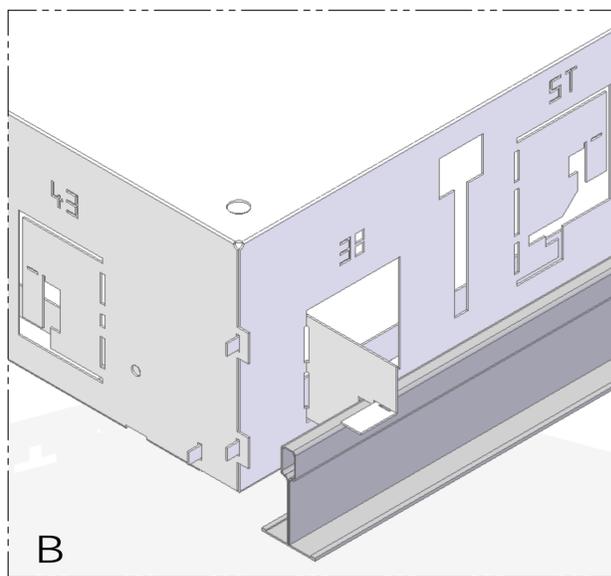
### EXPOSED T15 & T24 (Main runners only)

- 1 - Prepare the connection cables & offer through the rear cable entry hole.
  - 2 - Locate the canopy in the ceiling grid aperture & fold support tabs as per sequence below.
- NB - Luminaires must only be supported from 38mm or 43mm high main runners.*



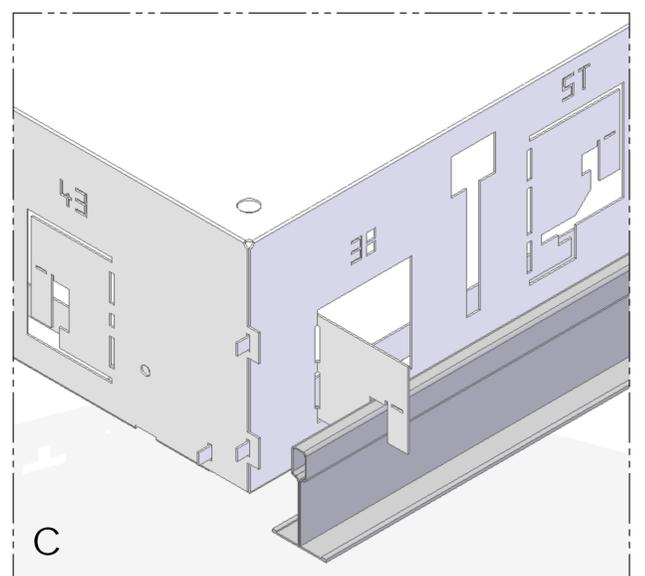
A

Fold the small tab indicated out at 90 degrees to clear grid (4 places)



B

Offer canopy into ceiling aperture & fold main tab outwards at 90 degrees to locate on tee grid



C

Re fold small tab down to original position to lock canopy onto grid . Access required to outside canopy

Nb - End tabs may also be folded out to centralize canopy if necessary

Move to page 4 for frame assembly installation

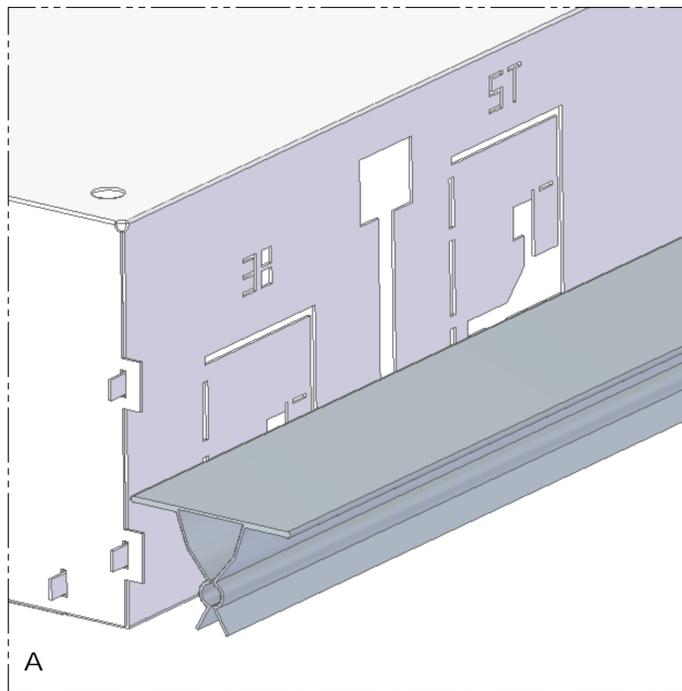


## Canopy Installation (cont.)

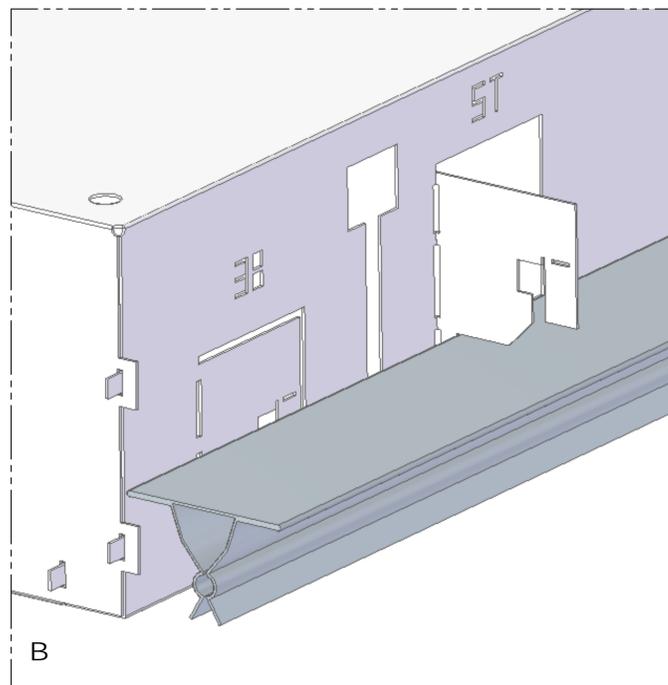
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### SPRING TEE - BURGESS H4 & SAS 120

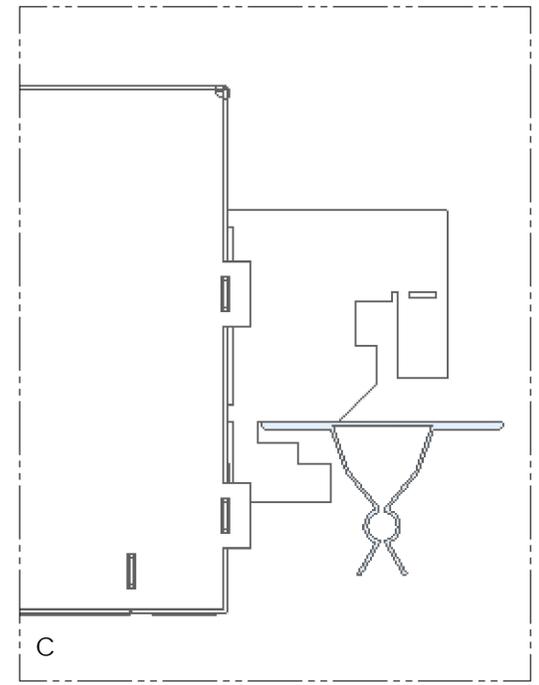
- 1 - Prepare the connection cables & offer through the rear cable entry hole.
- 2 - Locate the canopy in the ceiling grid aperture & fold support tabs as per sequence below.  
NB On 1200 long variants there are support tabs on the sides & ends to suit grid orientation.  
Note - To maintain ceiling void IP integrity , separate recessing panel should be ordered & pre fitted to ceiling grid before installing luminaire - refer to website for correct part numbers



Offer canopy into the ceiling grid aperture

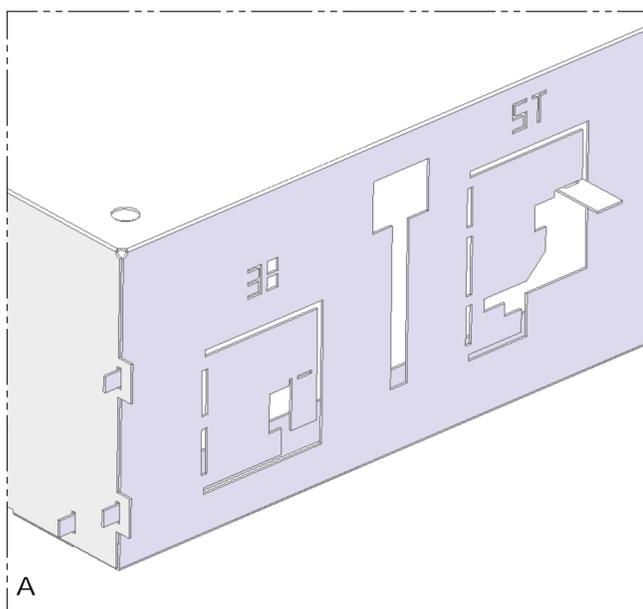


Fold tab outwards at 90 degrees to locate & lock canopy onto the spring tee grid

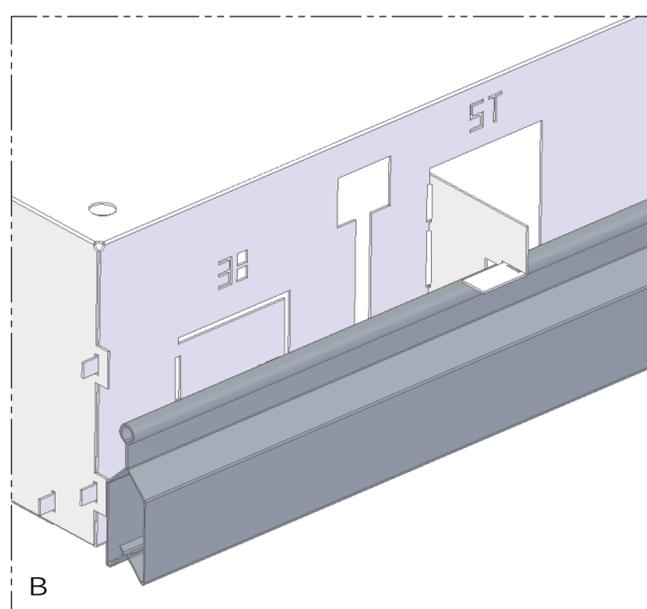


### SPRING TEE - SAS 150 STD DEEP GRID

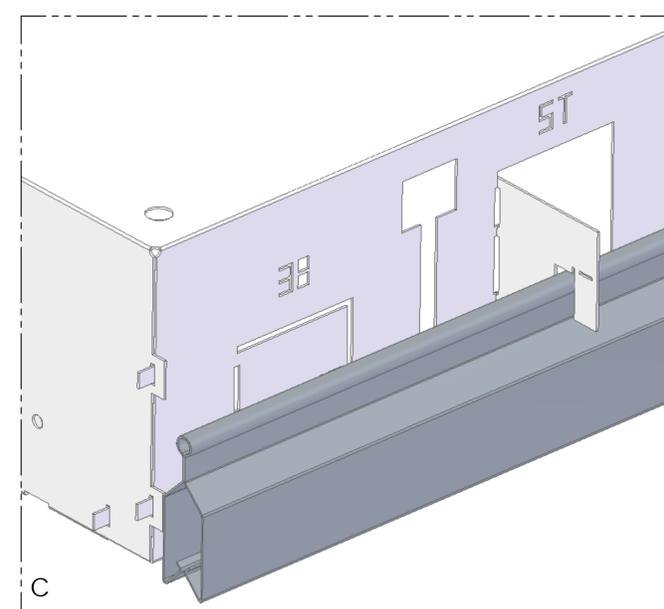
- 1 - Prepare the connection cables & offer through the rear cable entry hole.
- 2 - Locate the canopy in the ceiling grid aperture & fold support tabs as per sequence below.  
NB On 1200 long variants there are support tabs on the sides & ends to suit grid orientation.  
Note - To maintain ceiling void IP integrity , separate recessing panel should be ordered & pre fitted to ceiling grid before installing luminaire - refer to website for correct part numbers.



Fold the small tab indicated out at 90 degrees to clear grid (4 places)



Offer canopy into ceiling aperture & fold main tab outwards at 90 degrees to locate on to spring tee grid



Re fold small tab down to original position to lock canopy onto grid . Access required to outside canopy

Nb - Move to page 4 for frame assembly installation

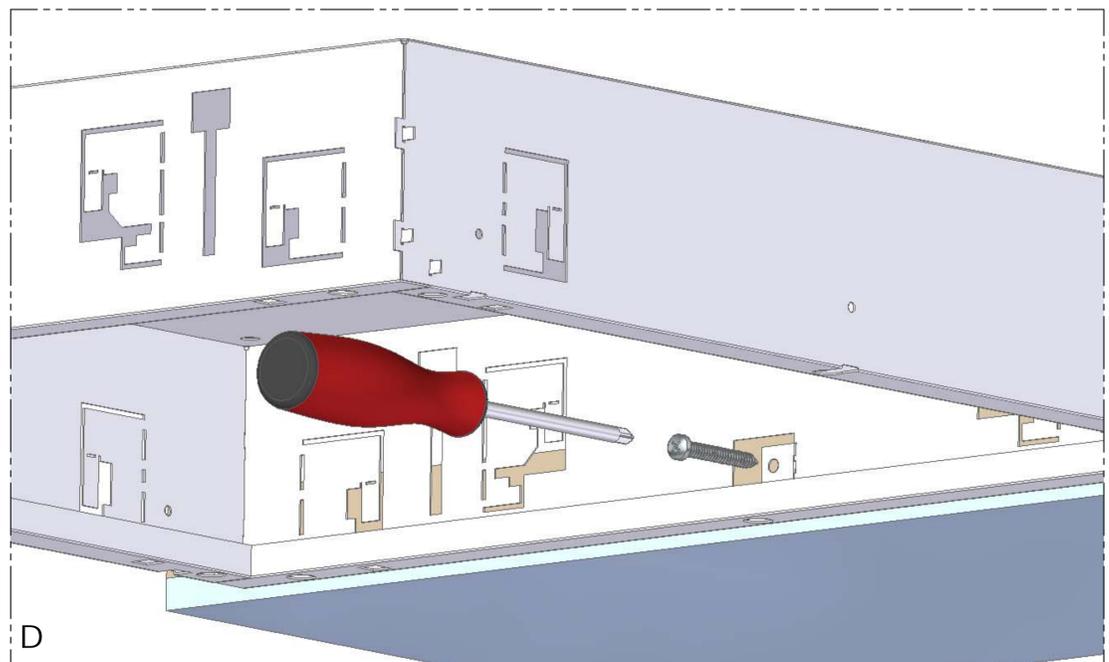
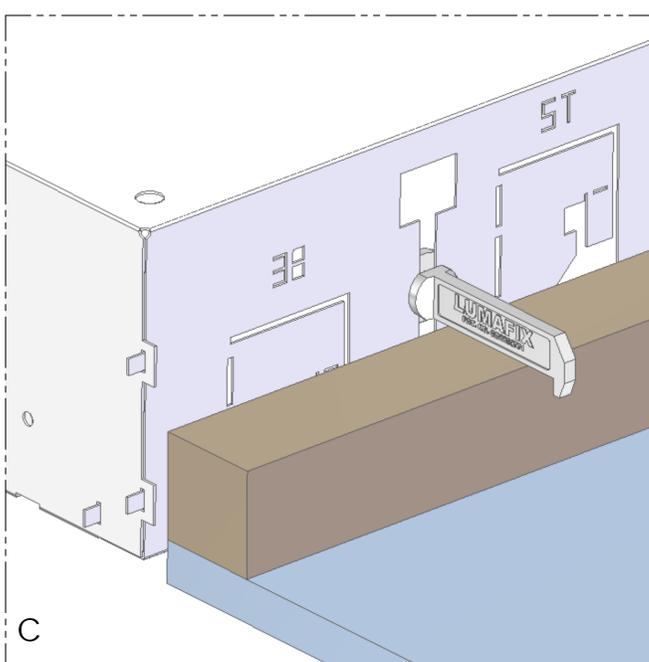
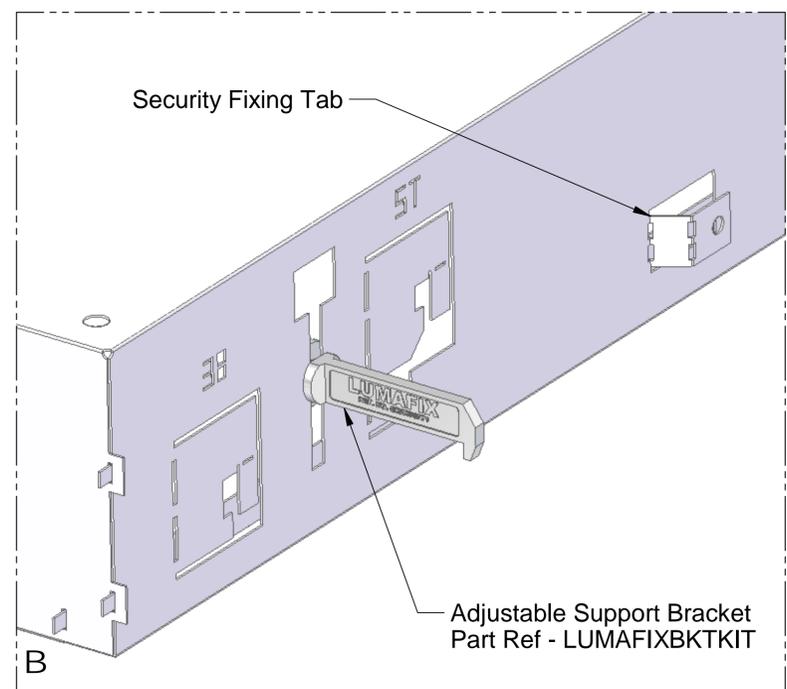
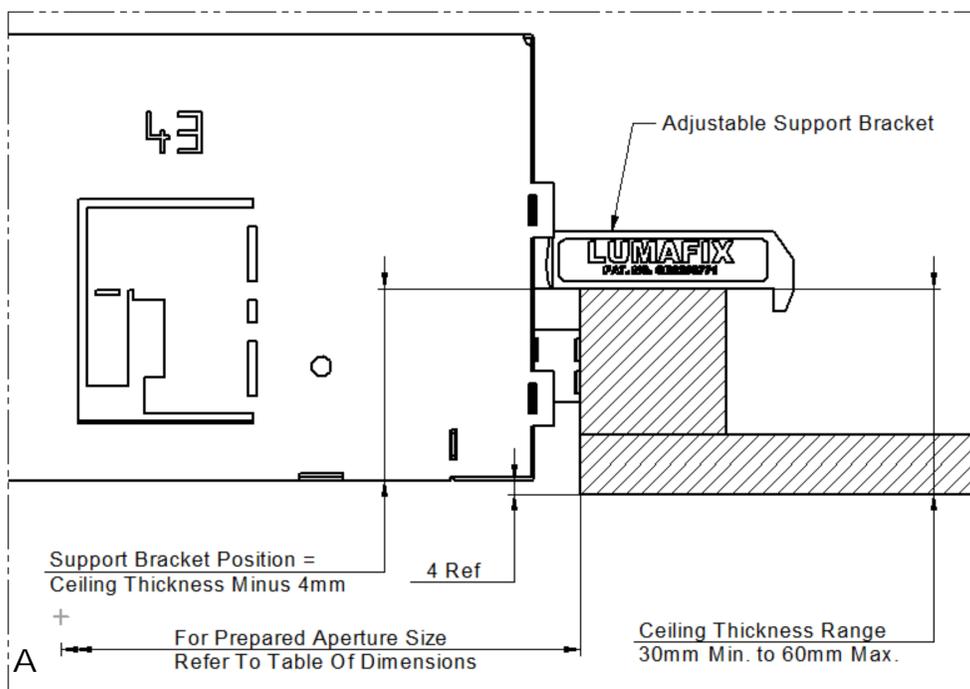


## Canopy Installation (cont.)

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### PREPARED / CUT APERTURE CEILINGS

- 1 - Prepare the ceiling aperture as per the recommended dimensions herein.  
Please note that for plasterboard and soft ceilings additional strengthening battens or similar will need to be positioned around the cut aperture to distribute the luminaire load & ensure that the ceiling thickness falls within the specified dimensions - see 'A' below.
- 2 - The preferred method is to pre install the support brackets before installing the canopy.  
It is important these are positioned accurately to ensure correct alignment of frame.  
Dimension from front face of the canopy to the underside of the bracket should be calculated as ceiling thickness including any battens minus 4mm - See 'A' below  
Brackets are fitted from the inside of the canopy & secured by quarter turn of toggle.
- 3 - Prepare the connection cables & offer through the rear cable entry hole.
- 4 - Offer the canopy through the ceiling aperture & allow to rest on the support brkts - See 'C'
- 5 - For additional security & prevent canopy lift, fit suitable screw through canopy sidewall tab on each side into ceiling structure. See diagram 'D' (Fixings not supplied)

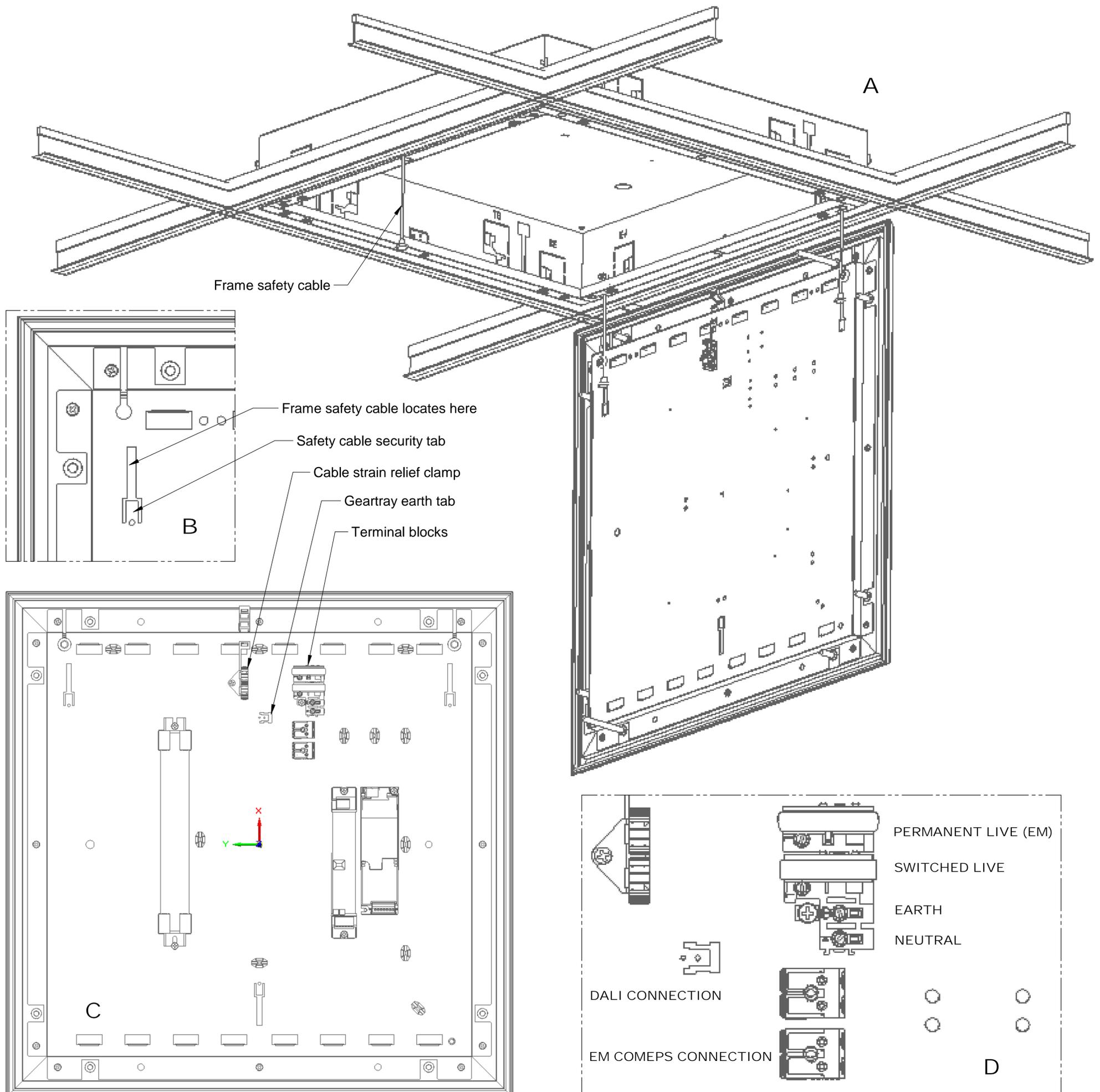


Nb - Move to page 4 for frame assembly installation



## Frame Installation

- 1 - Offer the frame assembly up to the installed canopy & attach the safety cord toggles into the geartray slots on the same side as the mains terminal blocks only. Nb Allow the frame to hang vertically as detailed below & fold the security tabs indicated flat to ensure the cables are securely retained before proceeding to the next step. Fig B
- 2 - Connect the previously prepared mains / Dali cables to the relevant terminal block connections & secure the cables via the fitted strain relief clamp. Attach the earth cable from the canopy to the geartray earth point & connect battery cables if emergency variant. Make note of emergency commissioning / installation date & mark on battery pack.

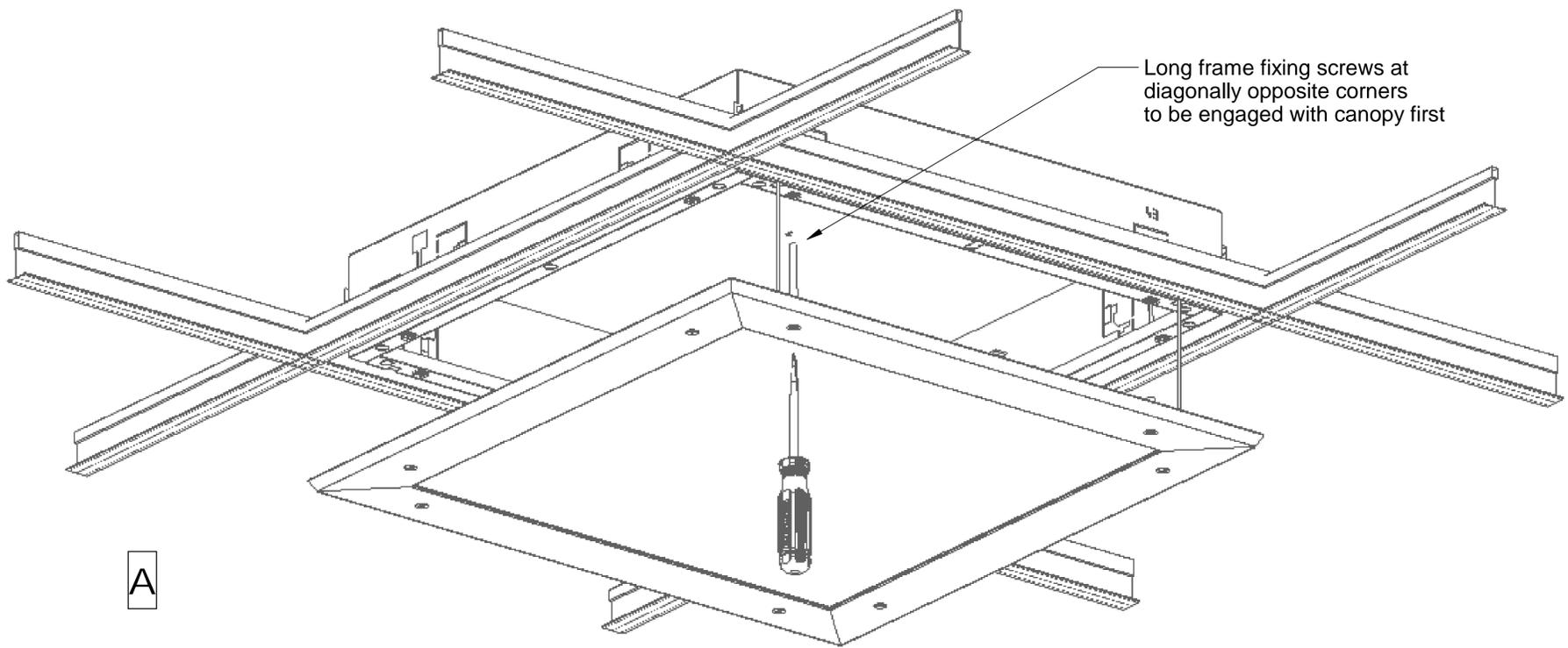




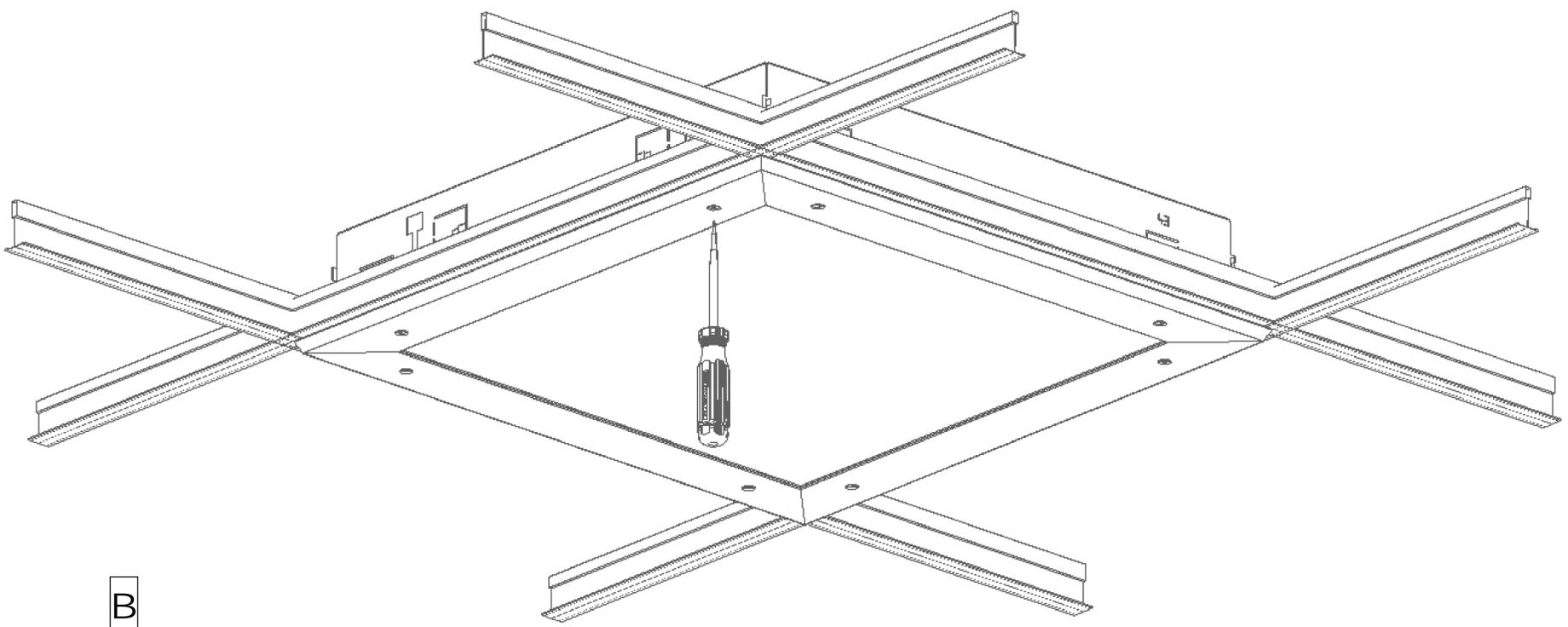
## Frame Installation (cont.)

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- 3 - Offer up the frame assembly horizontally to the canopy & attach the opposite safety cables into the the the geartray slots as per step 1 & allow to hang freely as per fig A.
- 4 - Push the frame assembly up vertically until the 2 longer screws at diagonally opposite corners engage with the cage nuts in the canopy .Secure the frame assembly with a few turns of each screw to partially fix - do not fully tighten at this stage. fig A



- 5 - Continue to alternate tightening of the longer screws until all the shorter frame screws meet with the canopy cage nuts . At this point stop & check to ensure all screws are fully engaged & aligned.
- 6 - Working in a clockwise direction now tighten each screw a few turns sequentially until outer frame & gasket is sufficiently compressed against the ceiling surface. (fig B)  
Screws should be tightened to a **MAXIMUM TORQUE OF 1.2 Nm**.  
Fit the supplied screw cap covers to the frame holes to maintain IP integrity.





## Product Dimensions

### TYPE - 600 x 600

A: 543

B: 552

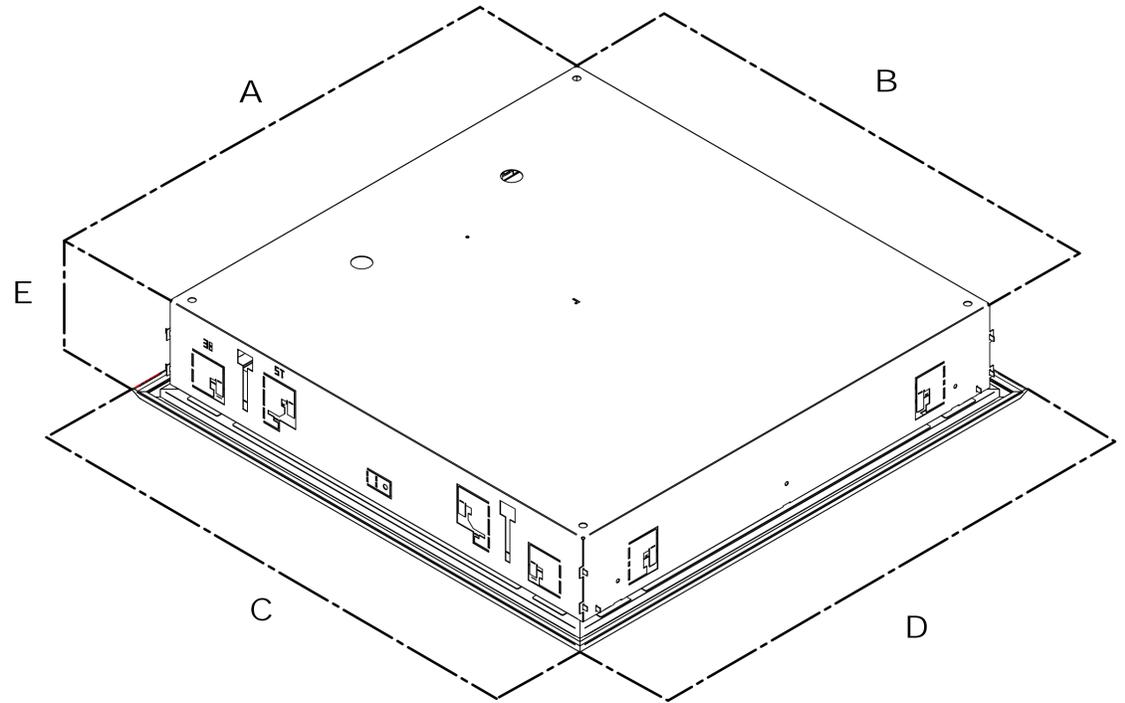
C: 598

D: 598

E: 112

PREPARED APERTURE:

563 X 563 +/-3



### TYPE 600 X 1200

A: 1152

B: 543

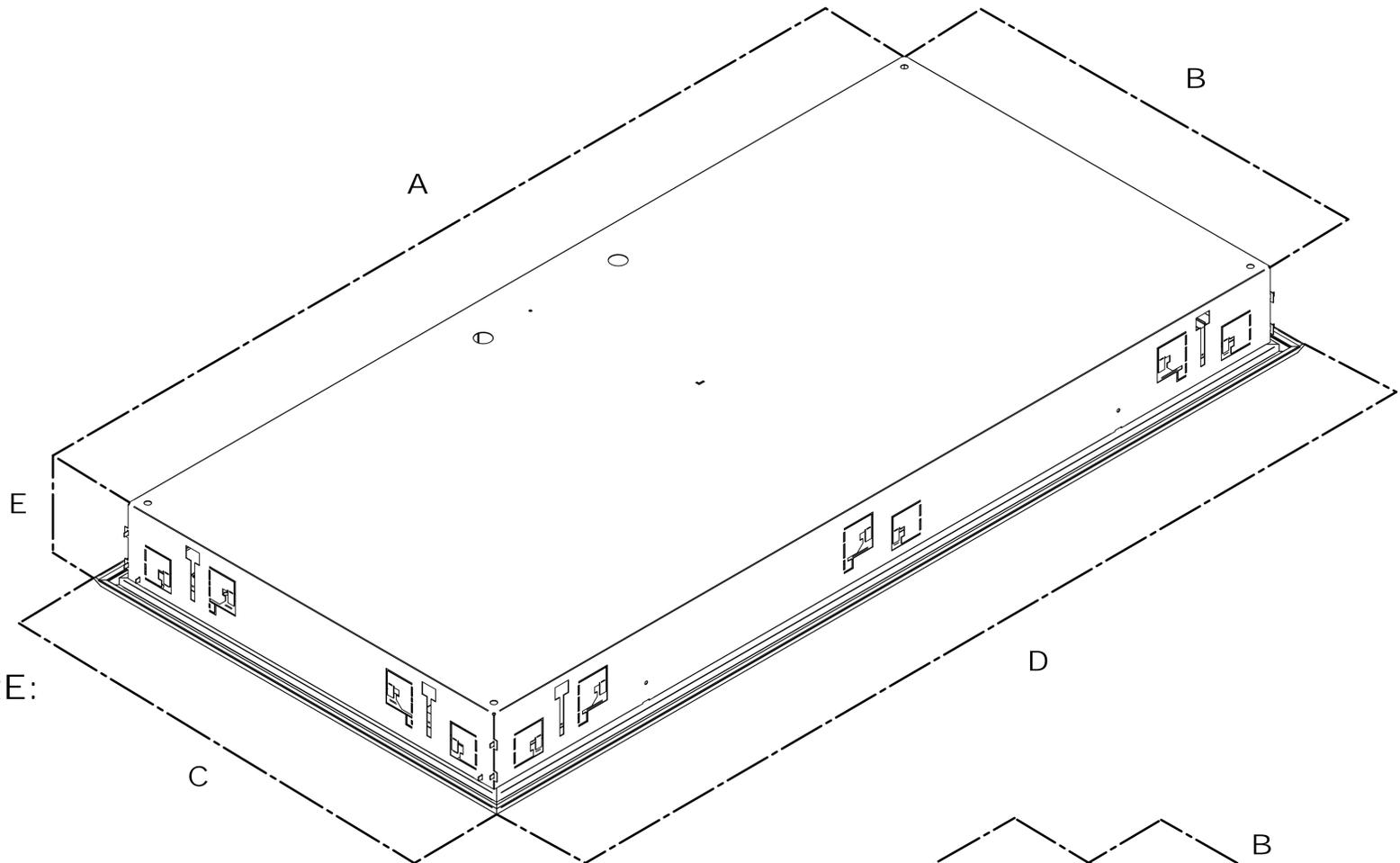
C: 598

D: 1198

E: 112

PREPARED APERTURE:

563 X 1163 +/-3



### TYPE 300 X 1200

A: 1152

B: 243

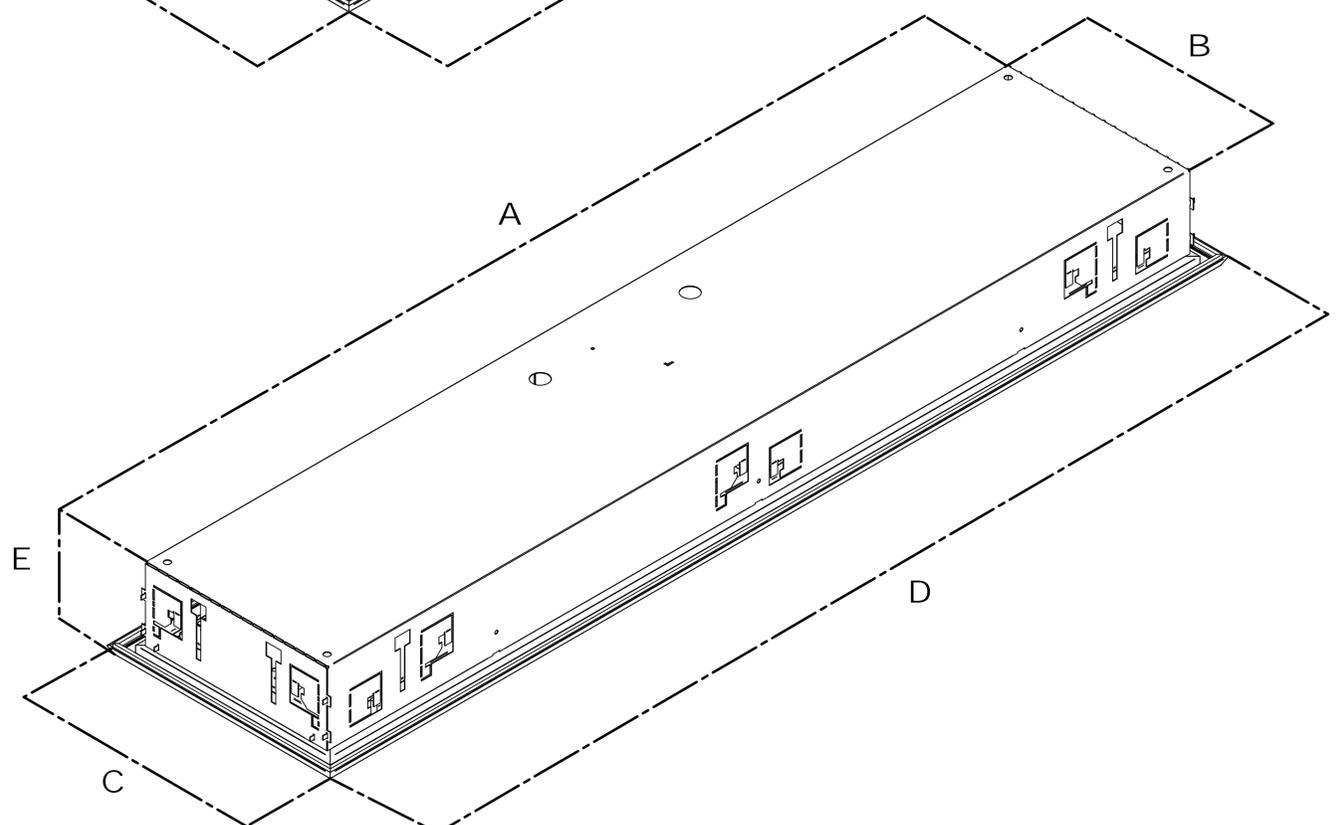
C: 298

D: 1198

E: 112

PREPARED APERTURE:

263 X 1163 +/-3



## SPECIFICATION

Light Source	LED
Finish	Body - RAL 9003 / Frame - 9016
Materials	Mild Steel / Polycarbonate / Aluminium
Weight	600X600 Luminaires - Std 8.5kg, Em 9kg. 1200X300 Luminaires - Std 8.5kg, Em 9kg. 1200X600 Luminaires - Std 11.5kg, Em 13kg.
Supply	220-240V AC, 50/60Hz
Operating temp	0-30 Degrees C
Connection	Fused terminal block (Additional 2 way for DALI)
Ingress protection	IP65 front / IP20 rear
Ceiling Integration	T24 & T15 Exposed Tee (38mm & 43mm main runners only) Spring Tee (SAS 120 , SAS 150 Deep grid & Burgess H4) Prepared aperture (additional brackets required - LUMAFIXBKTKIT) Optional adjustable suspension brackets available for other ceilings types



## GENERAL SAFETY INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
- 2) This unit must be EARTHED.
- 3) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 4) Cleaning of reflectors and lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid
- 5) Batteries must be replaced by a qualified electrician when they do not meet the required duration.
- 6) Dali control cables must be double insulated & have an equivalent rating to the supply cable.
- 7) The light source contained within this luminaire shall only be replaced by the manufacturer, his agent or a similar qualified person.
- 8) The installer is to ensure that the specified ceiling system structure & construction is suitable for the luminaire integration & is of sufficient strength for the load bearing weight. A secondary suspension system (supplied by others) may be required when taking this into account.

### TECHNICAL SUPPORT

Telephone: 0161 331 5700

Email: [technical@whitecroftlight.com](mailto:technical@whitecroftlight.com)

<http://whitecroftlighting.com/>