

Cascade Flex E

600 x 600



INSTALLATION INSTRUCTIONS

July 2024 - Rev 1



Whitecroft Lighting Limited

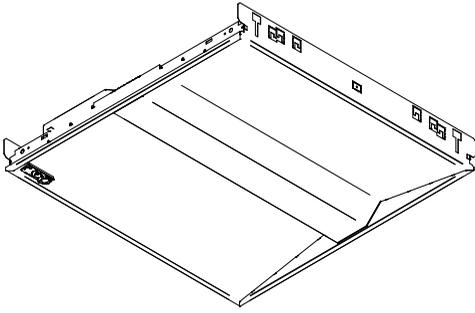
Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX

Telephone +44 (0)161 330 6811

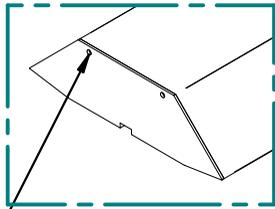
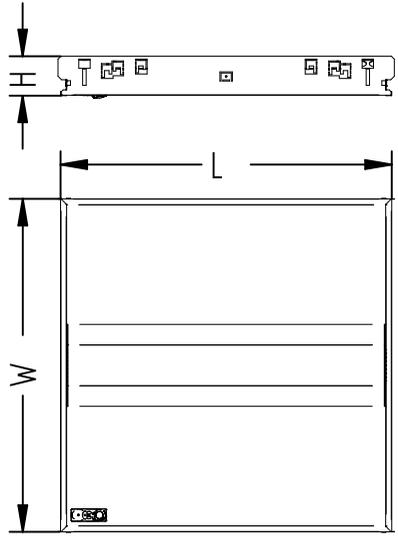
Registered No. 3848973 England

Registered Office: As above

DIMENSIONS



XT / ST (600x600)



OPTIC
CARTRIDGE
DRAIN HOLES

Luminaire Dimensions (mm) & Weights (Kg)						
Luminaire Type	Length L	Width W	Height H	Weight (Std)	Weight (Em)	Minimum Void
600 x 600 Exposed Tee	584	584	69	4	55	180
600 x 600 Spring Tee	599	599	83	4	55	90

CABLE CONNECTIONS

(Remove product from packaging & inspect for damage)

1) **None Emergency** - Connect the mains wiring / Dali cables into the Driver according to the Driver symbols indicated & secure with the supplied cable clamp strain relief.

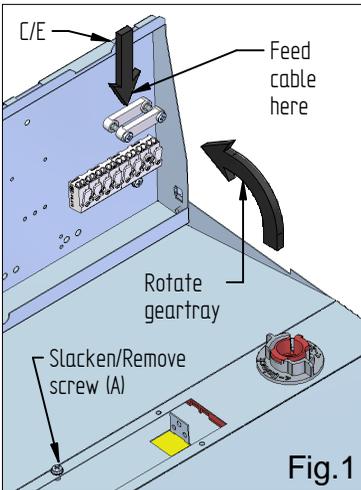


Fig.1

2) **Emergency** - (Fig1) Slacken screw (A) on the rear of body then push & rotate geartray to a vertical position.

3) Feed the mains / Dali cables through the geartray C/E & strain relief clamp & connect to the terminal blocks.

4) Connect the battery cables & note commission date.

5) If COMEP/Dali system is fully addressable & using a single Dali pair, the Dali terminals must be linked as shown right. (Fig.2)

6) Rotate geartray back into position & tighten screw (A)

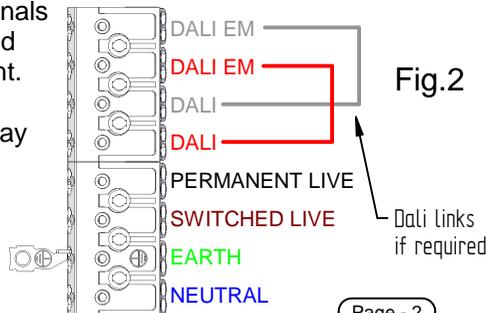
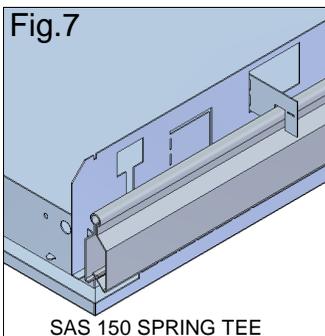
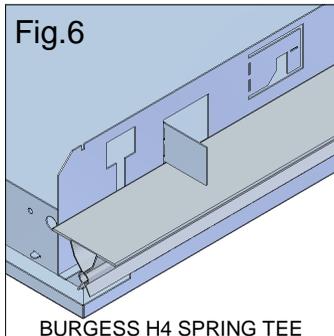
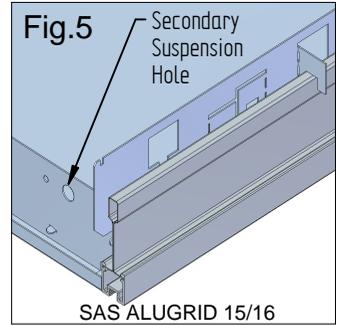
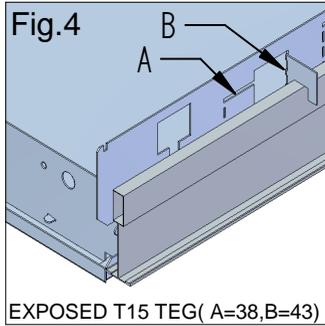
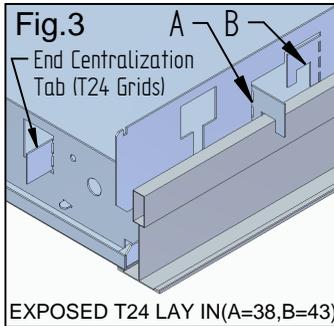


Fig.2

CEILING INSTALLATION

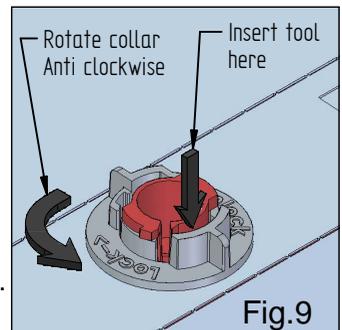
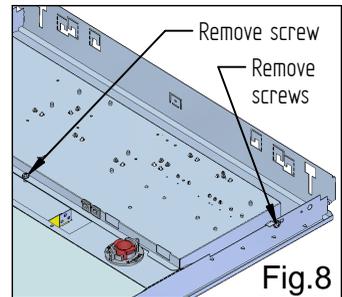
Offer the luminaire body into the ceiling system from below & suspend from the ceiling grid by either lay in method or folding out ceiling specific support tabs as detailed below. NB If necessary, fit secondary suspension anchor into hole in corner (supplied by others)



POD OPTIC / SENSOR REMOVAL PROCEDURE

Should the luminaire cartridge require removal /replacement , please follow the steps below. It is recommended that this work is undertaken with the luminaire removed from ceiling & with the front face of luminaire protected from damage.

- 1) Isolate & disconnect all Mains, Dali, & Sensor cables connected to the Driver or Luminaire gearbox assembly.
- 2) For canopy mounted sensor variants, working from the rear of the luminaire, carefully prise off the retaining clip using a suitable tool & remove sensor/lead from front face.
- 3) On variants with gearbox, separate the gearbox from the canopy by removing the 3 screws (Fig.8) & detach the earth lead spade from the gearbox.
- 4) Place a flat bladed tool between the retaining collars & the spigot where indicated (Fig.9) & force clip inwards whilst turning collars in anti clockwise direction to release.
- 5) Offer the Driver or Gearbox assembly through the aperture in the rear of the canopy to remove from canopy.
- 6) Refitting of pod optic/sensor is reverse of procedure above. Nb - No tool is required to fit retaining collars, turn in clockwise direction until audible click is heard.



SPECIFICATION:

Lamp type:	LED
Output (lm):	2300 / 3300 / 4100 / 4800 / 5100 lm nominal. Refer to website for actual lumens.
Colour Temp:	4000K / 3000K - Ra80 / Ra90
Materials: Body:	Mild steel painted White RAL9003
Optic :	Extruded & Injection Moulded Polycarbonate
Control gear:	Fixed output / DALI
Emergency:	Integral 3hr / COMEPS
Controls:	Organic Response
Supply:	220-240v 50/60Hz AC
Ambient Temperature:	0-25°C
Cable Connection Std:	Max cable section - 3 or 5 core 1.5mm ² (6mm strip length) Suitable for loop in loop out
Cable connection Em:	Max cable section - 4 or 6 core 2.5mm ² (8mm strip length) Suitable for loop in loop out
Ingress protection:	IP44 Front Face / IP20 Rear Face
Wattage:	Refer to datasheet on website
Ceiling Integration:	600XT T24 & T15 Exposed Tee (38mm & 43mm high main runners only) SAS 130 Alugrid 15/16 & 15/08 600ST SAS 120 , SAS 150 , Burgess H4 Optional adjustable suspension brackets available for other ceiling types - LUMAFIXBKTKIT



Electrostatic
Sensitive Device



Do Not Cover Luminaire
With Thermal Insulation

GENERAL INFORMATION

1. A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
2. Luminaire must be isolated before commencing any necessary maintenance work or battery connection.
3. Observe ESD precautions during installation.
4. All luminaires must be EARTHED. (Excluding Class II Luminaires)
5. Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
6. Cleaning of lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid.
7. Do not carry out high voltage insulation test, i.e. 500/1000v as this may damage internal components.
8. Batteries must be replaced by a qualified electrician when they do not meet the rated duration.
9. Dali control cables must be double insulated & have an equivalent rating to the supply cable.
10. The light source contained within this luminaire shall only be replaced by the manufacturer, his agent or a similar qualified person.
11. The Luminaire body may become hot under normal operating conditions. Allow to cool before undertaking any necessary maintenance work.
12. Ensure that the specified ceiling system is of sufficient strength to support the weight of the luminaire.
13. Do not cover recessed luminaires with any thermally insulating materials.
14. Holes are situated in each of the optical cartridge endcaps to ensure drainage of any water ingress.

Nb Do not support luminaire from cross tees - Support from main runners only !

FURTHER INFORMATION

TECHNICAL SUPPORT
Telephone: 0161 331 6811
E-mail: technical@whitecroflight.com
<http://www.whitecroflighting.com/>