



Cascade

INSTALLATION INSTRUCTIONS

PK-LEAFCASCADE

February 2024 - Rev 1



Whitecroft Lighting Limited

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

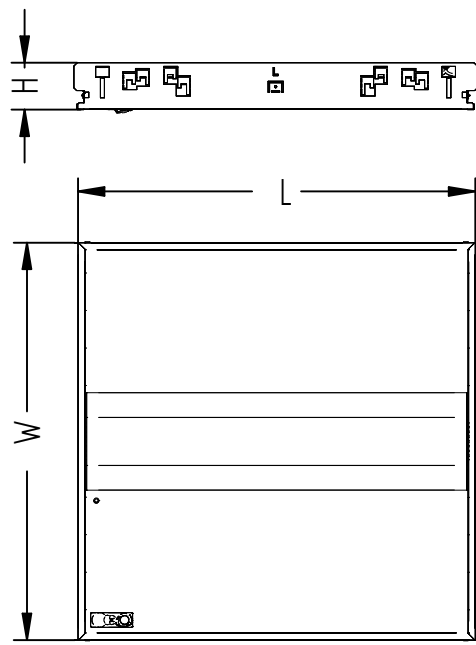
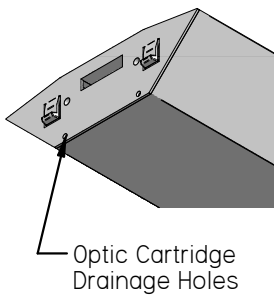
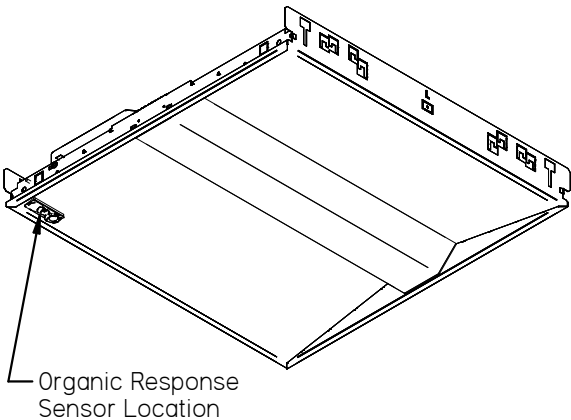
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Registered Office: As above



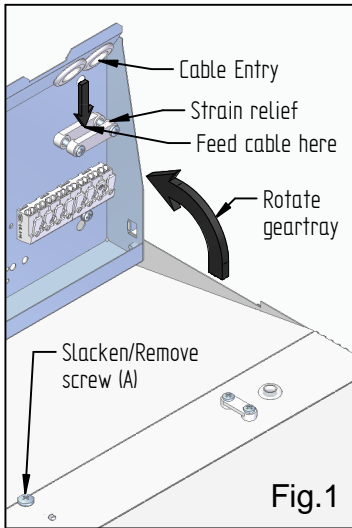
DIMENSIONS



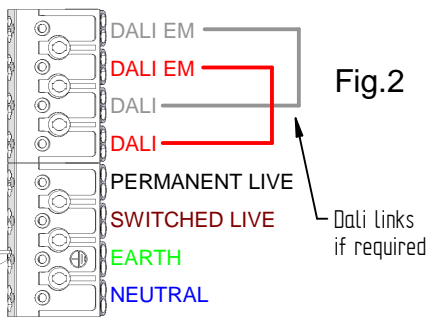
Luminaire Dimensions (mm) & Weights (Kg)								
Luminaire Type	Length L	Width W	Height H	Weight (Std)	Weight (Em)	Weight (IOR3 Std)	Weight (IOR3 Em)	Minimum Void
600 x 600 Exposed Tee	584	584	69	3.5	4.6	4.3	4.7	180

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 strain relief clamp.



- 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)

CEILING INSTALLATION

Offer the luminaire body into the ceiling system from below & suspend from the ceiling grid by either lay in method or by folding out ceiling specific support tabs as detailed below. If necessary, fit secondary suspension anchor into hole in canopy corner (supplied by others) **!NB Do not support luminaire tabs from cross tees - Support from main runners only!**

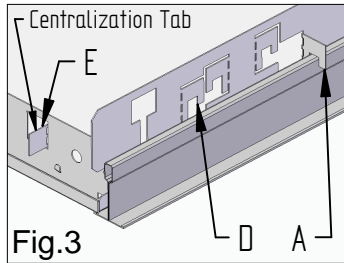


Fig.3
EXPOSED T24 LAY IN CEILING
 38mm High Tee - Fold Tabs 'A' & 'E'
 43mm High Tee - Fold Tabs 'D' & 'E'

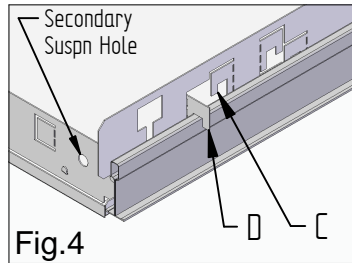


Fig.4
EXPOSED T15 TEGULAR CEILING
 38mm High Tee - Fold Tab 'D'
 43mm High Tee - Fold Tab 'C'

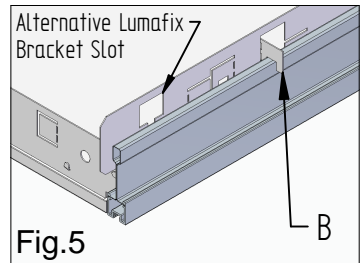
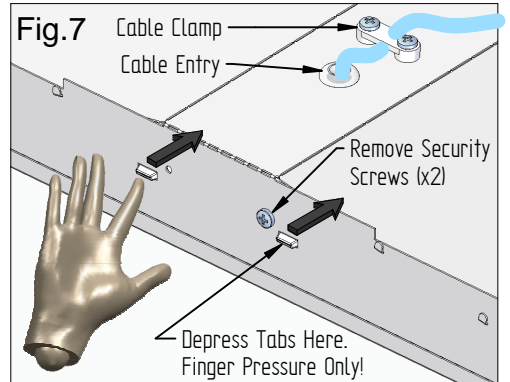
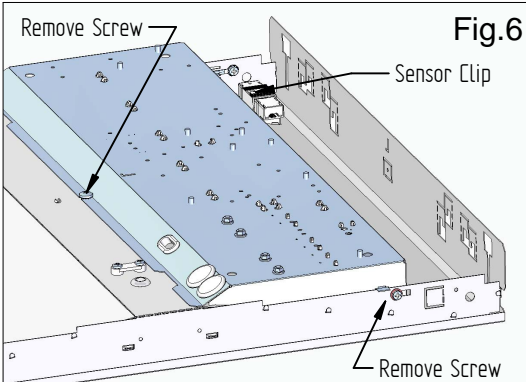


Fig.5
SAS ALUGRID 15/16 CEILING
 52mm High Tee - Fold Tab 'B'

POD OPTIC / SENSOR / GEARBOX REMOVAL PROCEDURE

Should the luminaire cartridge optic, sensor or gearbox 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. Please note that Sensor cable connections are polarity sensitive.
 - 2) To remove Sensor - Working from the rear of the luminaire, carefully prise off the retaining clip using a suitable tool & remove sensor/lead & spacer from the front face. (Fig. 6)
 - 3) To remove Gearbox - Working from the rear of luminaire, separate the gearbox from the canopy by removing the 3 screws (Fig.6) & detach the earth lead spade from the gearbox.
 - 4) To remove Cartridge Optic - Working from the rear of the luminaire:-
 - (a) Release the cartridge optic cable from canopy by untightening the clamp screws (Fig.7)
 - (b) Unscrew & remove the indicated screw from each end of luminaire & retain (Fig.7)
 - (c) Using **Finger pressure only!**, depress the 2 protruding endcap tabs at one end until the cartridge assembly is released from the canopy. (Fig.7) **Nb Use of tools may damage tabs.**
 - 5) Refitting of the cartridge optic, gearbox & sensor is reverse of the procedures above.
- Nb - Refit cartridge pod by gently pushing cartridge from the front whilst pulling through any cable slack until an audible 'click' is heard & all 4 tabs are fully engaged into endcap slots.
!NB Ensure that the 2 security screws are refitted into the canopy endcaps at diagonally opposite corners to secure optic cartridge.



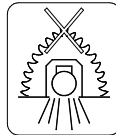
SPECIFICATION:

Lamp type:	LED
Output (lm):	2300 / 3300 / 4100 lm nominal. Refer to website datasheet for exact outputs.
Colour Temp:	4000K - Ra80
Materials: Body:	Mild steel finished White RAL9003
Optic :	Extruded & Injection Moulded Polycarbonate (Tpa Rated)
Control gear:	Fixed output / DALI
Emergency:	Integral 3hr / COMEPS (Lithium Batteries)
Controls:	Organic Response (OR3)
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
Impact Resistance:	IK08
Wattage:	Refer to website datasheet.
Ceiling Integration:	600XT: T24 & T15 Exposed Tee (38mm & 43mm high main runners only) SAS 130 Alugrid 15/16

Optional adjustable suspn brkts 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@whitecroftlight.com
<http://www.whitecroftlighting.com/>