SPECIFICATION

Materials Polycarbonate & acrylic Diffuser
Polycarbonate Optic Pods (White RAL 9003 or Black)
Aluminium Extrusion (Textured Paint - Silver, White RAL 9003 or Black)

Supply 240V

Operating temp -5˚c to 25˚c

Power Refer to Whitecroft Lighting Website for full list of power information.

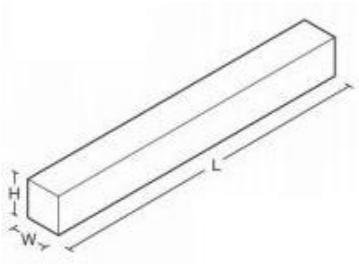
Connection Terminal block 0.75mm² to 2.5mm²

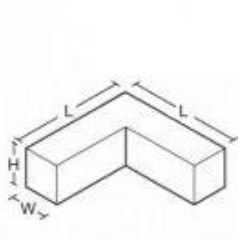
IP Rating Direct/indirect & direct - IP40 rear / IP44 front
Direct/indirect with no uplight – IP20 rear / IP44 front

Installation 2m, 2.5m, 3m and corner fittings require 2 people to install.

DIMENSIONS

Version	**L**	**H**	**W**	**KG**	**KG** (EM)	**KG** (Infill)
1000mm	1000	100	80	4.7	N/A	3.0
1250mm	1250	100	80	5.5	5.9	3.5
1500mm	1500	100	80	6.2	6.6	4.5
1750mm	1750	100	80	7.1	7.5	N/A
2000mm	2000	100	80	9.4	9.9	6.0
2500mm	2500	100	80	10.1	10.6	N/A
3000mm	3000	100	80	12.4	12.7	N/A
Corner	520[2]	100	80	4.0	N/A	3.0





Do not cover with thermal insulation

Electrostatic sensitive device

GENERAL INFORMATION

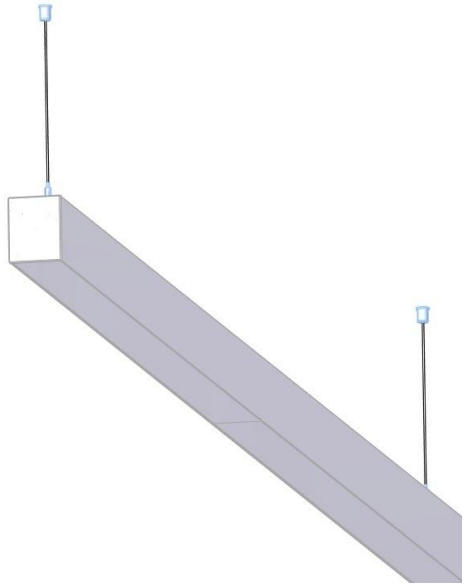
1. A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
2. Observe ESD precautions during installation.
3. Emergency luminaires must be earthed
4. Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
5. Cleaning of lenses should be carried out using clean, soft lint free cloths & anti-static cleaning fluid.
6. Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
7. Dali control cables must be double insulated & have an equivalent rating to the supply cable.
8. The light source within the luminaire shall only be replaced by manufacturer, or similar qualified person.
9. Luminaire may become hot under operating conditions. Allow to cool before undertaking any work.
10. Ensure that the specified ceiling system is of sufficient strength to support the weight of the luminaires.
11. Access to the emergency battery connection plug is achieved by lowering the gear tray from the luminaire body. Connection of batteries must be undertaken with the power supply disconnected from the luminaire. Batteries must be replaced by a qualified electrician when they do not meet the rated duration

TECHNICAL SUPPORT
Telephone: 0161 331 5700
E-mail: technical@whitecroftlight.com
http://www.whitecroftlighting.com/

Whitecroft lighting

Avenue Metro Direct/Indirect and Direct

Installation Instructions



PK/AVMET-INSTSUS Revision 6 October 2024

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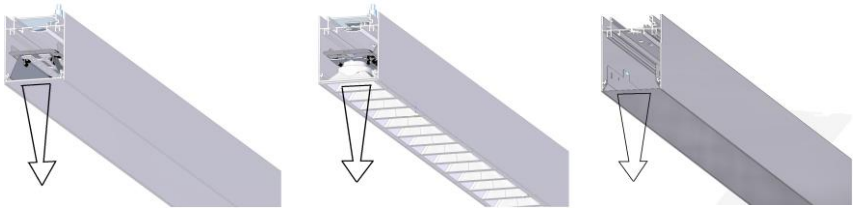
Registered No. 3848973 England Registered Office: As above

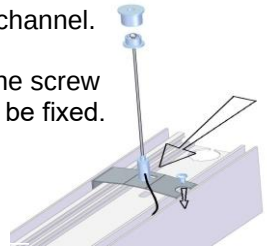
Direct/indirect/Direct Pod Optic, Prism/Diff & Infills for Straight and Corners

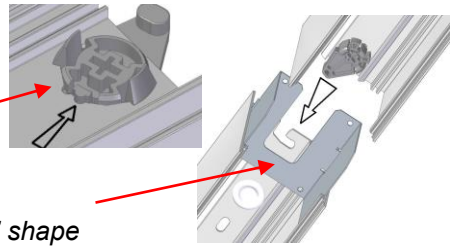
1. Unpack and check the contents for any damage.
2. Remove diffuser/pods/Infill and place in a dust free area. The infill will require the earth tag and safety hooks unclipping.



3. **Suspension Mounting Option** part code (AOSUSKIT)
   a. Fix ceiling rose centres as below. Feeding the suspension cable through the cap. Two suspension points per straight length and one for a corner fitting.

   b. Assemble clutch to suspension bracket with M4 nut. Ensure clutch wire exit hole is at 45° so wire feeds down channel.
   c. Slide bracket into hook feature on extrusion and secure with screw. Making sure orientation is correct so the screw lines up with hole. Note: Position can be moved but won't be fixed.
   d. Lift the fitting and feed the cable through the clutch.
   e. Any access cable can be located in channel of extrusion.
   f. Use spirit level when adjusting the clutch.
   g. If continuous run repeat a-f.
   h. For **Straight** continuous products the alignment bracket and cam will be needed. Part code (AOCMOKIT). Supplied separately.
   Make sure the pip on the cam bracket is aligned with the dimple in the round cut out as shown. Slide the bracket half into the body on the hook side with the 'U' shape positioned as shown.



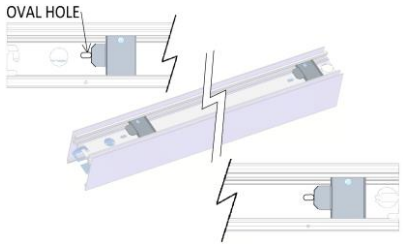


   i. For **Corner** fittings allow to hang from one suspension. Use the alignment bracket and screws supplied with the continuous mounting kit – AOCMOKT. Discard the CAM. With the gear tray of the adjacent fittings dropped (step 4g), slide the alignment bracket into one of the adjacent fittings and secure using two of the screws supplied. Slide the other alignment bracket into the other adjacent fitting but do not secure with screws. See 4e for image.

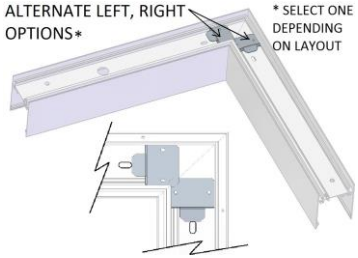
4. **Direct Mounting Option** part code AOSMOKIT (supplied as a separate item)
   a. Fix direct bracket to ceiling using below guide (screws not supplied), two brackets required for straight fittings and one for a corner fitting. Orientation is important so follow images. All brackets face same way.

   b. NB Remove and discard any diffuser fitted to the rear of infills & luminaires.
   c. For all fittings slide hook bracket onto the extrusion and align with the oval hole as shown below. Use the M4x6mm screw and serrated washer to secure in place. **Make sure that the ends of the hook are in line with the edge of the oval hole. This is important.**

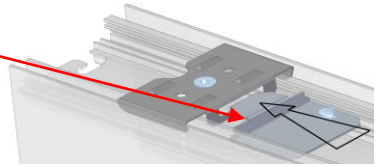
Straight fitting



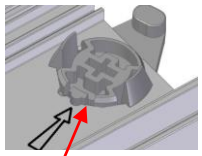
Corner fitting

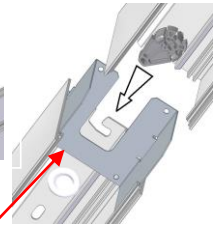


   d. The hook is designed to slide into the slot feature on the ceiling bracket.

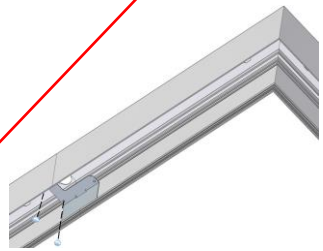


   e. Lift the fittings up onto the ceiling brackets and slide the hook into the slot until it stops. For continuous/ corner sections as this happens the open end of the fitting will slide onto the alignment bracket from steps 4 e/f. For corner fitting slide the unsecured alignment bracket across to bridge the fittings. **Note the fitting is still moveable at this point, care should be taken until the final fix is complete.**

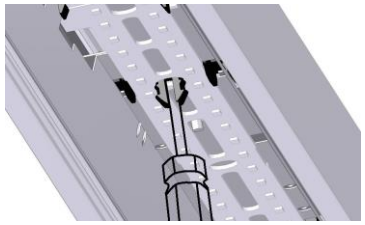




   f. For **Straight** continuous products the alignment bracket and cam will be needed. Part code AOCMOKIT. (supplied separately).
   i. Make sure the pip on the cam bracket Is aligned with the dimple in the round cut out as shown.
   ii. Slide the bracket half into the body on the hook side with the 'U' shape positioned as shown.



f. For **Corner** Sections use the alignment bracket and screws supplied with the continuous kit AOCMOKIT. Discard the CAM. With the gear tray of the adjacent fittings dropped, slide the alignment bracket into one of the adjacent fittings and secure using two of the screws supplied.
Slide the other alignment bracket into the other adjacent fitting but do not secure with screws. The secured alignment bracket should be inline with the suspension or ceiling bracket.
Remove the gear tray assembly using three No. 2 pozi screwdrivers. Ensure the screw driver pushes fully in to take the weight off the geartray. Be careful not to touch the LED,s. This step is not required for infills.



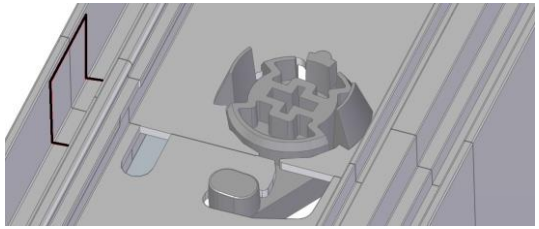
g. For **Direct**. Use the M5x20mm screw to lock the body to the ceiling bracket.

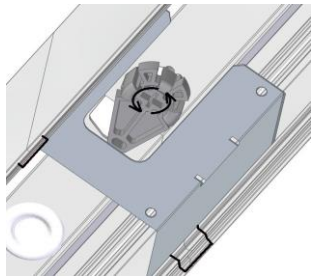
5. Continuous/corner fitting.

a. For **Corner** fitting – hold the fittings together and fit the remain screws to secure in place.

b. For **Continuous** straight fittings - turn the cam using a 8mm flat screwdriver to clamp the fittings together.

c. Place the foil tape provided on indicated areas in black to prevent light spill on both sides.

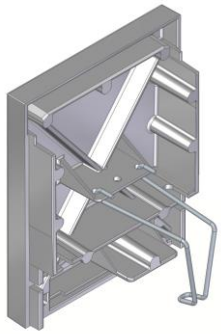


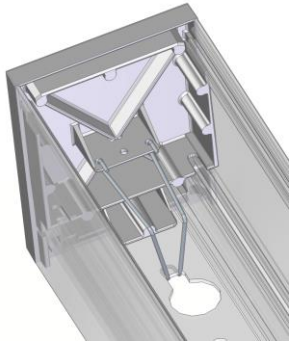


6. On continuous end of run fittings, endcaps will need to be installed. Endcap fitting can only be achieved with the gear tray removed as per previous step.

a. Fit springs into outer two holes in endcap in the orientation shown.

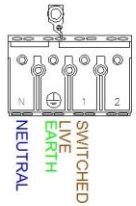
b. Push endcap firmly onto the end of the extrusion & engage the spring hook into slot in rear face of extrusion to retain.



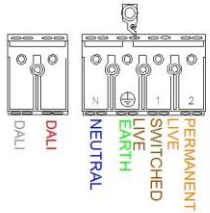


7. Electrical Connection (incoming)

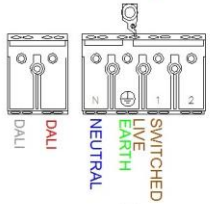
Fixed Output



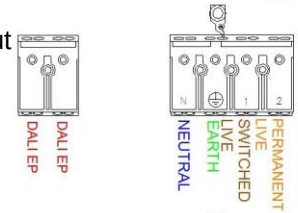
DALI with Standard Emergency



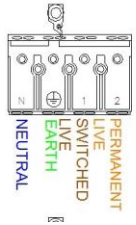
DALI



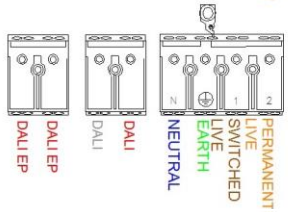
Fixed Output with Emergency COMEPS



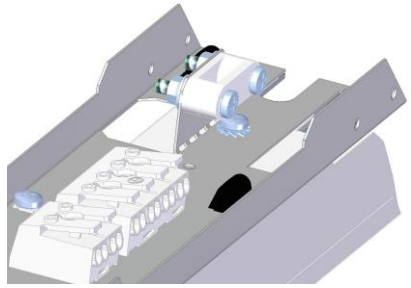
Fixed Output Standard Emergency



DALI with Emergency COMEPS

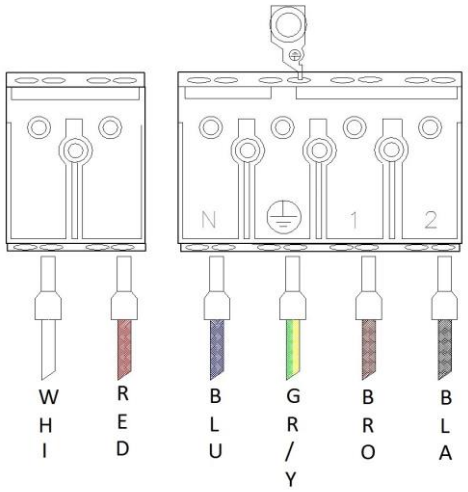


For incoming cables use the strain relief assembly as shown right.



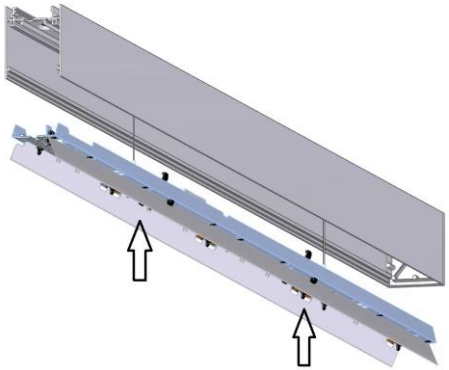
8. Through Cable Connection.

Continuous Straight Options.
For continuous options remove the two blank terminal blocks from the free end of the looms and feed the loom through to the next fitting geartray. Terminate the loom cables into the geartary mounted terminal blocks as detailed below.



Corner Options.
Through cabling can be removed from the terminal blocks at either end of the corner fitting by pushing the levels down. This allows for the fitting to adapt to left or right turns. Use the above diagram when connecting to the next fitting. **ENSURE ALL CABLES ARE HOME IF LEVER HAS BEEN PRESSED ON TERMINAL BLOCK!**

9. Geartray Replacement.
Reconnect the geartray to the body by pushing upwards until the clips engage with the body. Be careful not to touch or apply pressure to the LED's.



10. Replacement of the diffuser, pods or infills (corner) can now be done.

- Diffuser – On longer continuous runs the last diffuser may have to be trimmed to fit. The cut end should be hidden in the space within the endcap.
  On sensor options the diffuser should slide behind the bracket.
  Diffuser cutting recommendations (wear suitable PPE) :-
  Front extruded diffuser – Mask to protect & cut with fine tooth saw.
  Hexaprism – Score on the flat direct side & snap over sharp edge.
  Opal sheet – Cut with scissors.

- Pods – The pods snap back in the same orientation as they were removed. This is important as they interlock with one another and must be placed end to end in the same orientation so that they interlock.
  Note the orientation of the emergency pod with the light tube that should align with the emergency LED indicator on the geartray.
  The Organic Response Sensor option has a special short pod that sits next to the sensor bracket.