

SPECIFICATION

Materials Polycarbonate & Acrylic Diffusers
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.

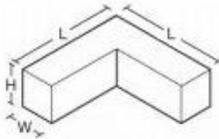
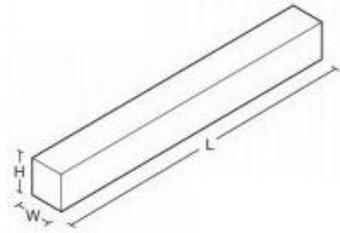
Connection Terminal block 0.75mm² to 2.5mm²

IP Rating IP20 / IP44 (front face)

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

DIMENSIONS

Version	L	W	H	KG	KG (EM)	KG (Infill)
1000mm	1000	95	83	4.0	N/A	N/A
1250mm	1250	95	83	4.6	5.0	N/A
1500mm	1500	95	83	5.1	5.5	N/A
2000mm	2000	95	83	7.9	8.4	N/A
3000mm	3000	95	83	10.1	10.4	N/A
Corner	520	95	83	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

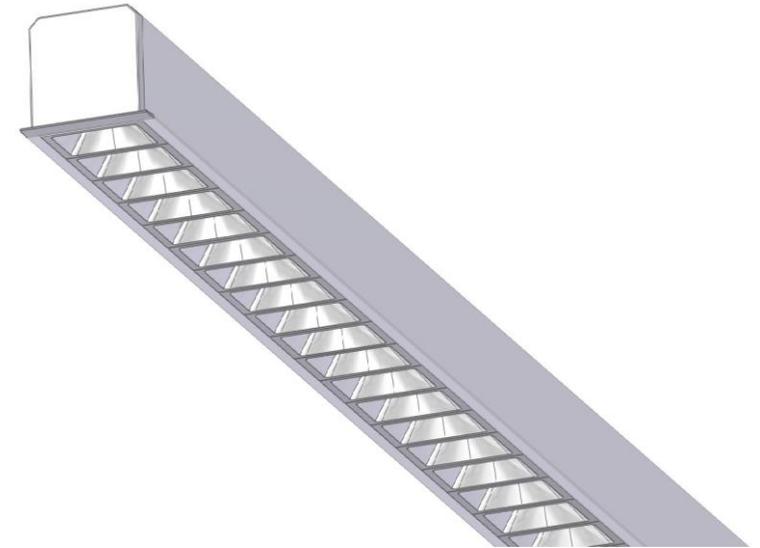
E-mail: technical@whitecroftlight.com

<http://www.whitecroftlighting.com/>

Whitecroft
lighting

Avenue Metro Recessed

Installation Instructions



PK/AVMET-INSTREC

Revision 6 July – 2021



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Telephone +44 (0)161 330 6811

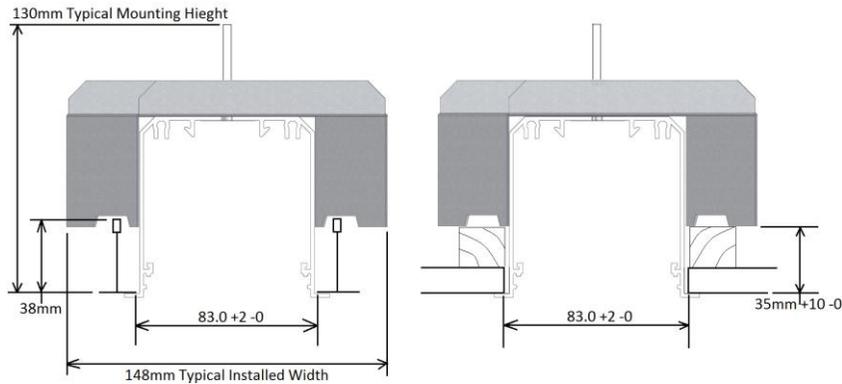
www.whitecroftlighting.com

Registered No. 3848973 England

Registered Office: As above

Recessed Pod Optic or Prism/Diff

1. The plaster board aperture needs to be lined with battens to ensure that the minimum ceiling thickness is a minimum of 35mm. The maximum depth ceiling is 58mm.



For linear rows the aperture length is the sum of body lengths + 22mm (for endcaps)
 Linear body lengths are exactly as the size ordered –

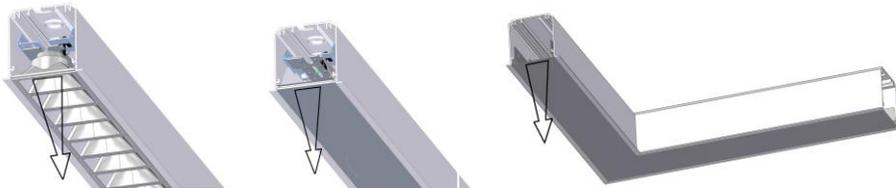
AOPPH**1**14KW - 1000mm
 AOPPH**A**14KW - 1250mm
 AOPPH**B**14KW - 1500mm
 AOPPH**2**14KW - 2000mm
 AOPPH**3**14KW - 3000mm
 AOPPH**C**14KW - 520mm²

The highlighted part number/letter denotes the length.

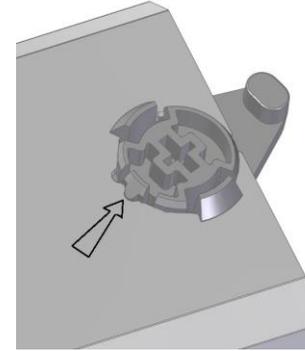
For rows ending with a corner at one end and end cap at the other, the cut Length will be sum of body length + 13mm

For rows ending with a corner at both ends the cut length will be sum of body length + 4mm

2. Unpack and check contents for any damage.
3. Remove diffuser, pods & infills (corner) and place in a dust free area.

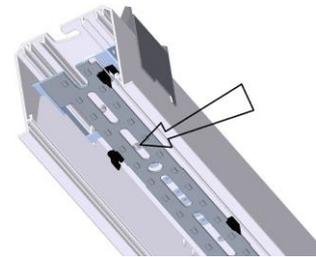


4. For all continuous products the cam will be needed. Place on the fitting prior to it being fitted in the ceiling. Part code AOCMOKIT.

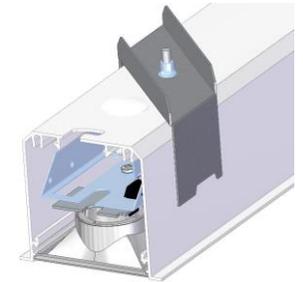


Make sure the pip on the cam bracket is aligned with the dimple in the round cutout as shown left.

5. Locate holes through PCB where the screw heads for the suspension brackets are and place a Pozi No.2 screwdriver in both holes ready to tighten.



Ensure the brackets are flat against the body.

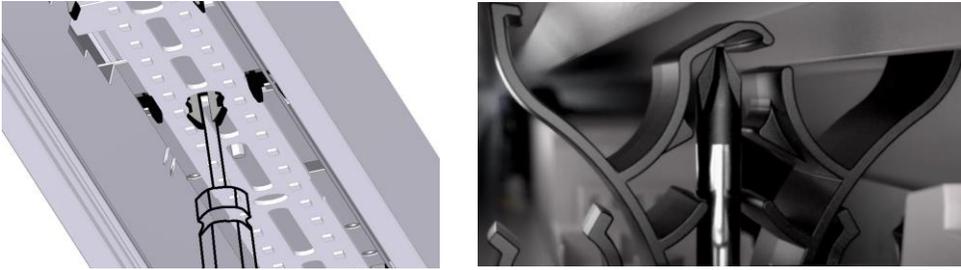


6. Offer the fitting up to the prepared aperture and once home use the drivers to turn and push up the screws to turn the brackets. The brackets will swing out and engage with the ceiling. For **Continuous** lengths it is best to leave loose until all adjacent fittings are installed. Once happy with the fitment and alignment do the final tighten but do not over tighten.

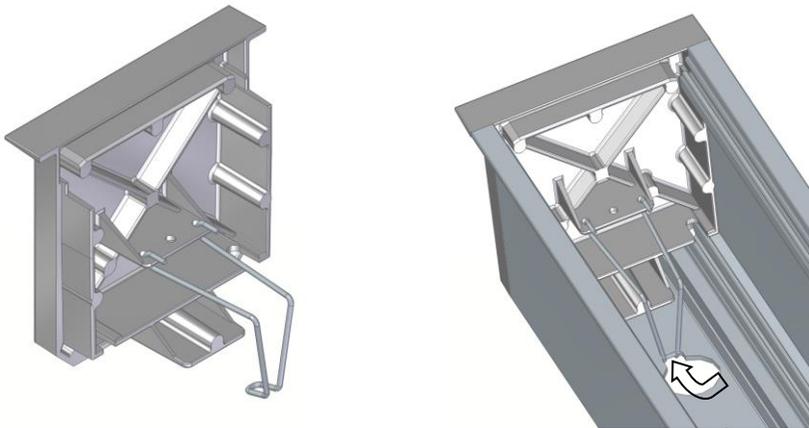


7. Depending on the scenario the mains cable can be fed from the back by piercing the rubber grommet. If no access to the back is available eg. In plaster board ceilings then the cable will need to be feed into the product before it is offered into the void.

8. Remove the gear tray assembly using two No. 2 pozi screwdrivers. Push the driver upwards into the gear tray brackets until it stops, this will disengage the gear tray assembly. The gear tray will suspend on ties. Giving access to the terminal blocks for wiring.



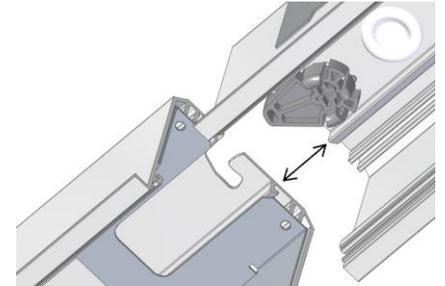
9. On continuous end of run fittings, endcaps will need to be installed. This can be done before the product is installed into the ceiling or whilst in the ceiling depending on space and scenario. Endcap fitting can only be achieved with the gear tray removed as per previous step.



- a. Fit spring legs into outer two holes in endcap in the orientation shown
- b. Push endcap firmly onto the end of the extrusion & engage spring hook into slot in rear face of the extrusion to retain.

10. For continuous straight products the alignment bracket and cam will be needed.

Slide the bracket fully in to the first body.
Note the orientation and setup with the 'U' shape positioned as shown.
Now offer the adjacent fitting up following steps 6 and 7 again.

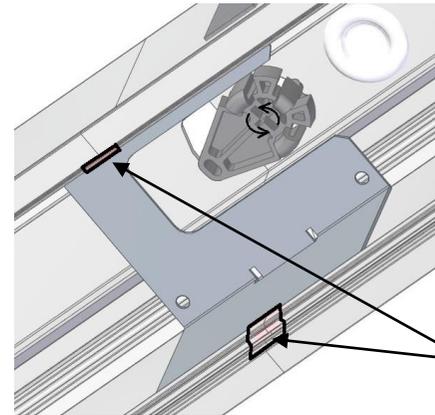


Once the twist out support brackets are supporting the luminaire, the alignment bracket can be slid into position inbetween the two fittings.

The cam can then be turned to clamp the fitting together.

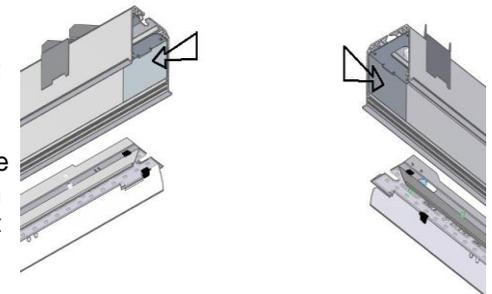
Important!

Use an 8mm flat screwdriver for this.



Place foil tape provided on indicated areas in black to prevent light spill.

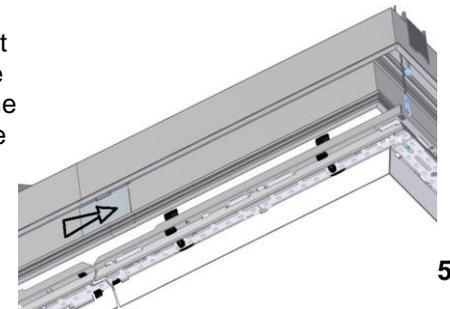
11. a. For **Corner** Sections use the alignment bracket and screws supplied with continuous kit AOCMOKIT, discard the CAM.
With the gear tray of the adjacent fittings dropped (step 8), slide the alignment bracket into both adjacent fittings do not fix with screws.



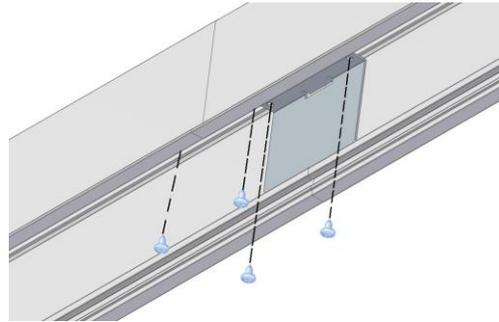
b. Offer the corner up to the aperture and hold in position. Another person should then slide over the alignment bracket to bridge the fittings.

c. Next locate the twist bracket hole, refer to step 6 and 7. Twist the bracket using a pozi No.2 screwdriver until the bracket engages with the aperture. The corner should now be supported in the ceiling.

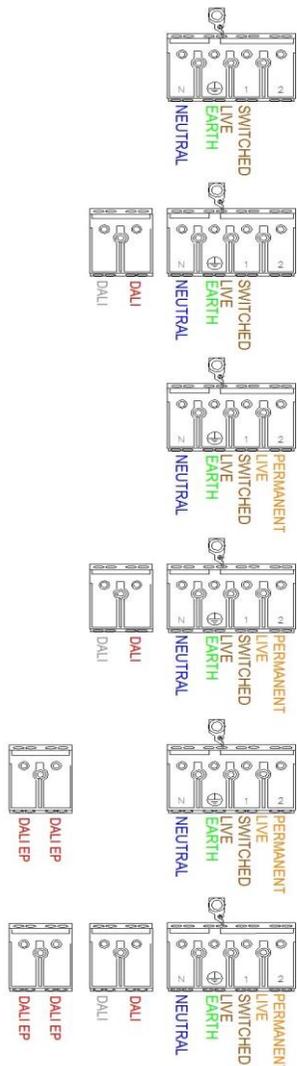
d. Release the gear tray as step 8. Note – corners have three release clips.



12. Push fittings/corners together and use screws to permanently hold.



13. Electrical Connection (incoming)



Fixed Output

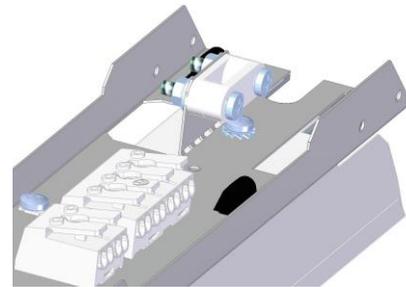
DALI

Fixed Output Standard Emergency

DALI with Standard Emergency

Fixed Output with Emergency COMEPS

DALI with Emergency COMEPS



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

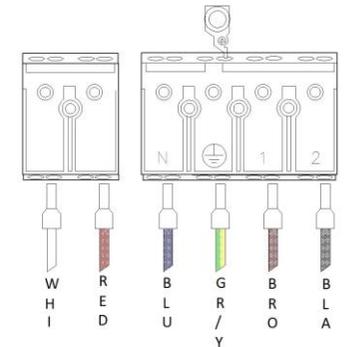
14. Through Wiring Cable Connection.

Continuous Options.

For continuous options remove the two terminal blocks from the free end of the looms and feed the loom through to the next fitting gear tray. Terminate the loom cables into the gear tray 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 levers down. This allows for the fitting to adapt to left or right turns. Use the diagram when connecting to the next fitting. **ENSURE ALL CABLES ARE FIXED HOME IF LEVER HAS BEEN PRESSED ON TERMINAL BLOCK!**



15. 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.



16. 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 surface 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.