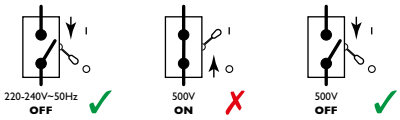
Infinitas Evo System - Installation Instructions



IMPORTANT

Disconnect before High Voltage Insulation testing

IMPORTANT INFORMATION

- Disconnect electricity supply before installation / To be installed by qualified personnel only and in accordance with current building and wiring regulations.
- For Emergency module, ensure the battery plug connections are made prior to a permanent mains supply being present and this is maintained for a minimum 24hrs to ensure correct operation.
- If power is applied to driver before LED plug connection then the driver may shut down due to no load. A mains power reset will rectify this.
- **Due to the overall weight of this system, ensure suitable fixings are used when installing!**
- The Infinitas Wiring Harness is rated at 16A, therefore several mains/dimming supplies may be required for larger systems. Mains/dimming supply cable not supplied.
- Before installing please familiarise yourself with the orientation of the Modules Male/Female wiring connections to ensure correct continuity is achieved
- Please also familiarise yourself with the system layout, as linking harnesses and module layout may change depending on the project.
- When installing, Hacel recommends wearing disposable gloves to avoid fingerprinting to the paint work of the luminaire
- This Document must be left on site with the end user
- To be installed by qualified personnel only, in accordance with current building and wiring regulations.
- The light source and control gear contained within this luminaire should only be replaced by the manufacturer, their agent or a similar qualified person.

Maintenance

- Disconnect electricity supply before carrying out maintenance, including cleaning Diffusers.

Installation
(2 People)

Wiring Information

		Non Dim/Emergency	DALI Dim/Emergency	Switch Dim/Emergency	PIR/PIR DALI/Emergency
Black	L2	Switched Live/Phase 2	Unswitched Live/Phase 2	Unswitched Live/Phase 2	Unswitched Live/Phase 2
Brown	L1	Switched Live/Phase 1	Unswitched Live/Phase 1	Unswitched Live/Phase 1	Unswitched Live/Phase 1
Earth	⏚	Earth	Earth	Earth	Earth
Blue	N	Neutral	Neutral	Neutral	Neutral
Orange	L4	Key switched Live (EM)	Unswitched Live (EM)	Unswitched Live (EM)	Unswitched Live (EM)
Red		Not used	DALI 1	Switched Live (DIM)	Not used
White		Not used	DALI 2	Not used	Not used
Grey	L3	Switched Live/Phase 3	Unswitched Live/Phase 3	Unswitched Live (EM)	Unswitched Live/Phase 3

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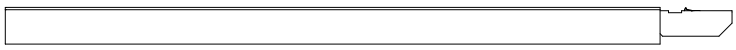
Technical: **(0191) 280 9914** Email: **technical@hacel.co.uk** Web: **www.hacel.co.uk**

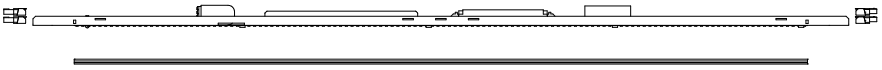
V1 - 02/2026

Infinitas Evo Linear System - Module Components



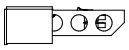
Extrusion inc. linking bracket

Wiring Harness

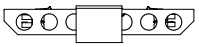


Luminaire Module - With Separate Clear/Microprism Flush Diffuser

Luminaire Module - With Dropdown Diffuser Attached

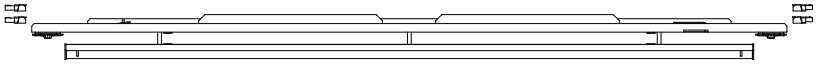


Power End Feed

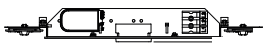


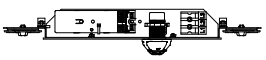
Power Centre Feed

Infills

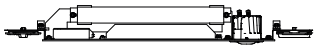


Vertigo Modules





Sensor Modules



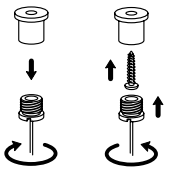
Emergency Module

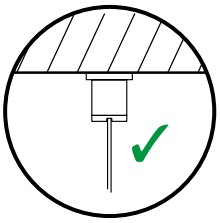
Suspension Kit

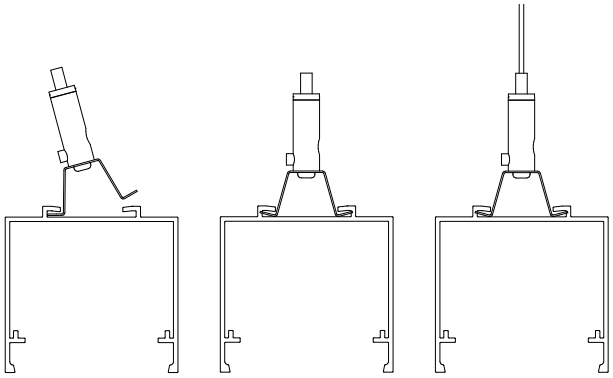
End Caps

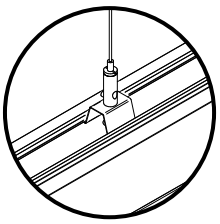
Note: Measurements, fixing centres and weights for components can be found on page 5 & 6

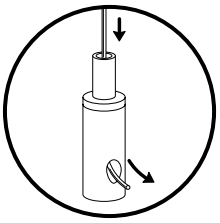
1. Suspension Clutch







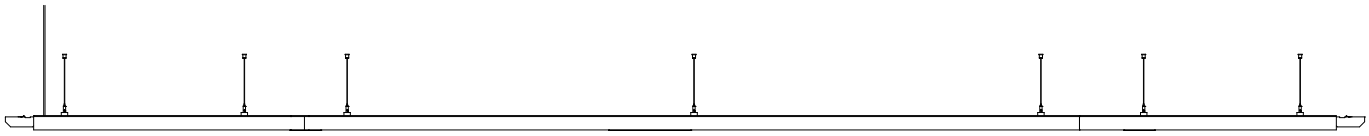




IMPORTANT

Due to the weight of these luminaires, ensure suitable fixings are used when installing.

Maximum weight per suspension = 15kg



IMPORTANT

Position suspension cables to evenly distribute the load.

For extrusion lengths of 2m+, a central suspension cable is required.

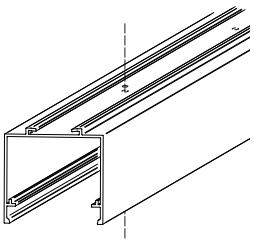
Suspension cables to be positioned 50-250mm from each end of extrusion.

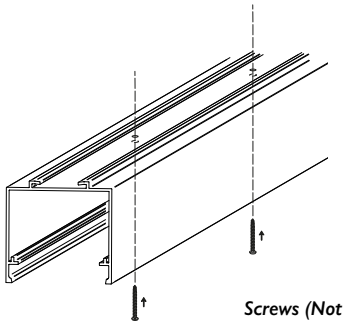
2. Surface

IMPORTANT

Due to the weight of these luminaires, ensure suitable fixings are used when installing.

Weight of fittings on extrusion to be calculated from lighting scheme.





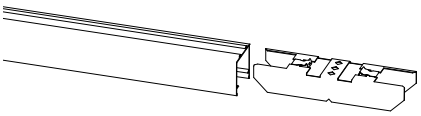
Screws (Not Supplied)

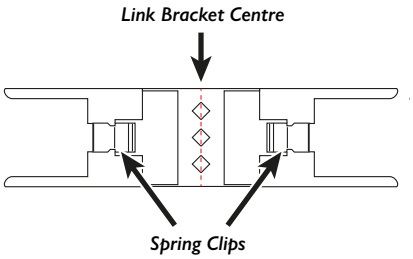
3. Linking Modules

1

Slide link bracket into one extrusion.

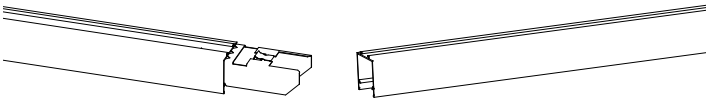
Note: Ensure spring clips are in place on the top of the bracket





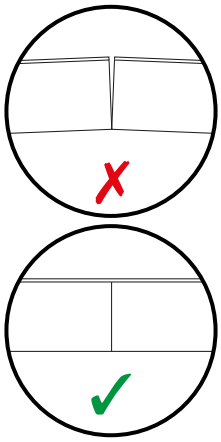
2

Align centre of bracket.



3

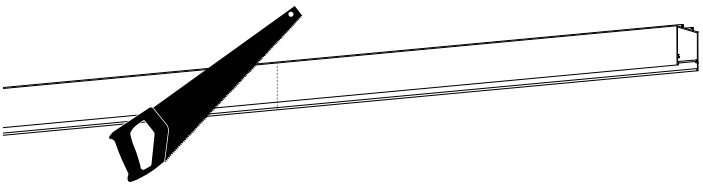
Slide other extrusion until flush.

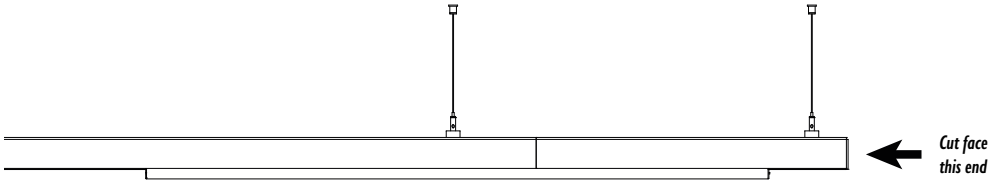


4. Cutting Extrusion

If required, extrusion can be cut down to suit application.

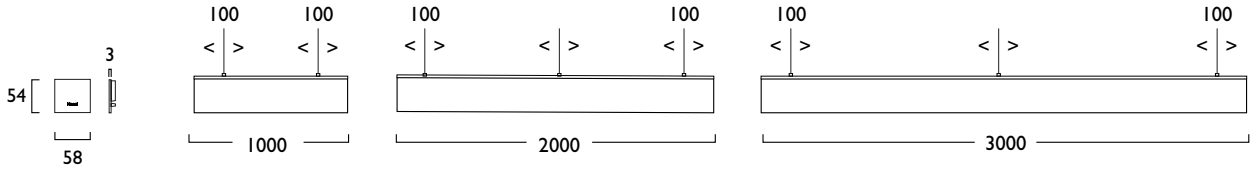
Note: 1) Ensure only one end of the extrusion is cut down
2) Ensure cut-end is at the end of the run.





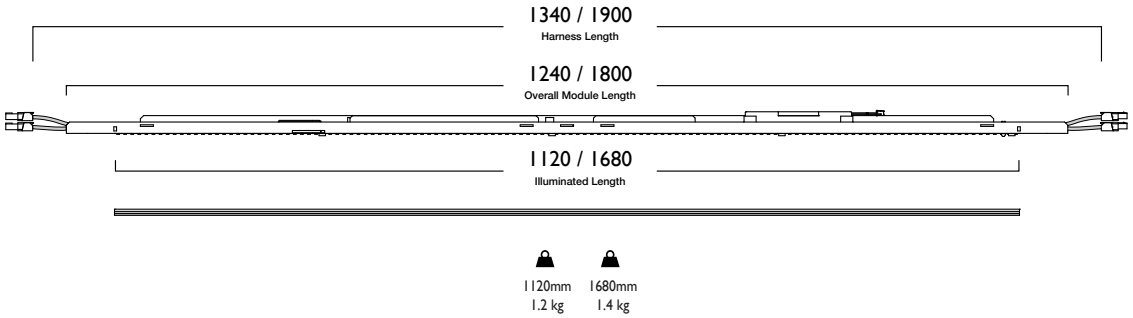
Suspended/Surface

Extrusion & End Cap

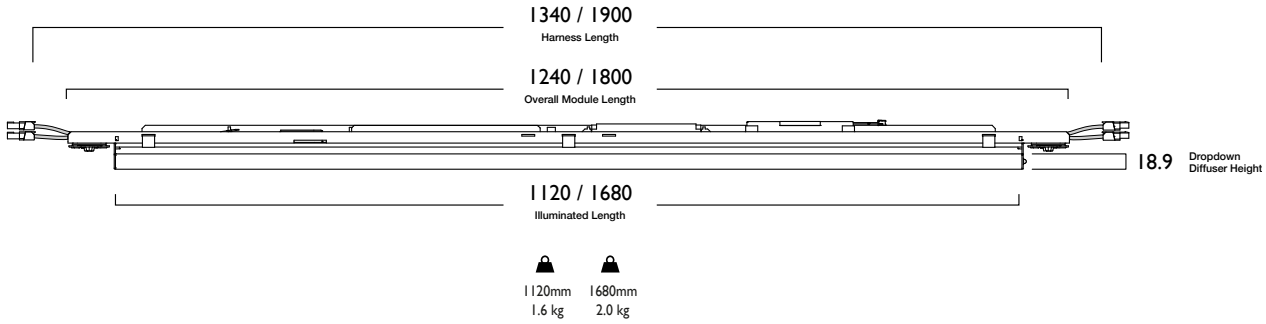


Recommended Fixing Centres: *100mm from each end & central fixing centre for 2m & 3m lengths*

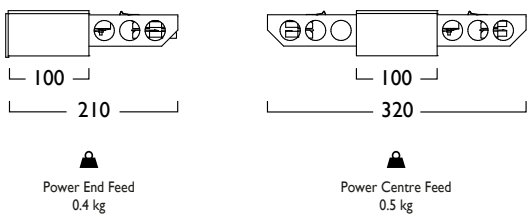
Flush Modules



Dropdown Modules

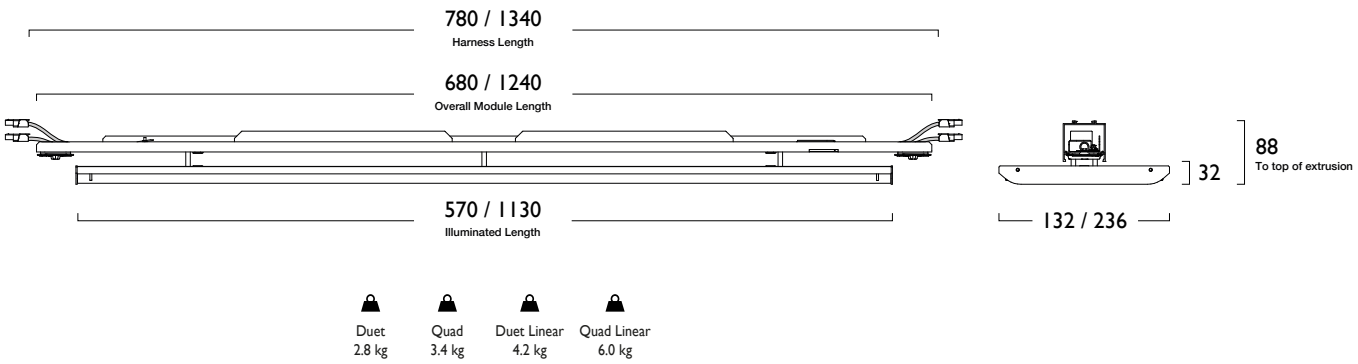


Power Feeds

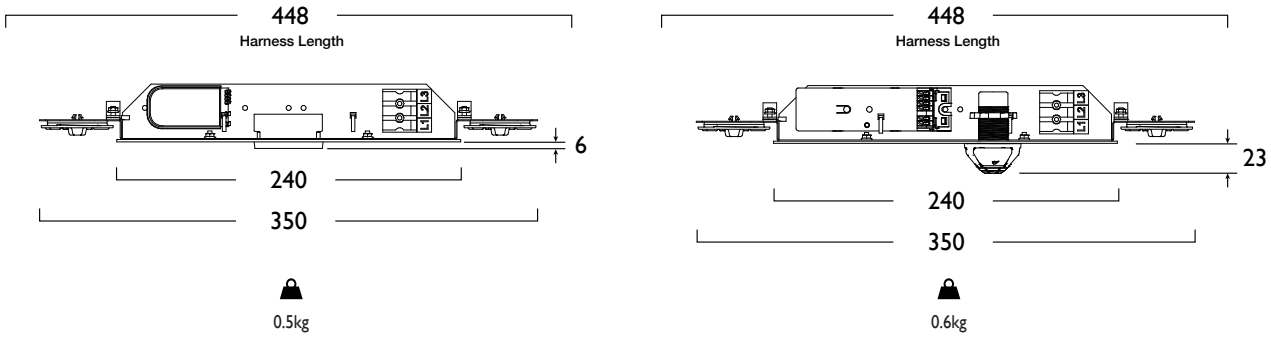


Infinitas Evo System - Measurements and Fixing Centres

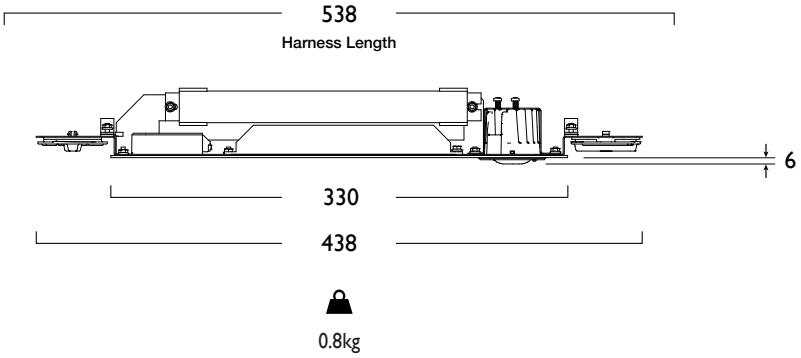
Vertigo Modules

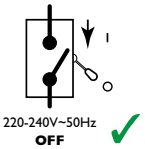


Sensor Modules



Emergency Module



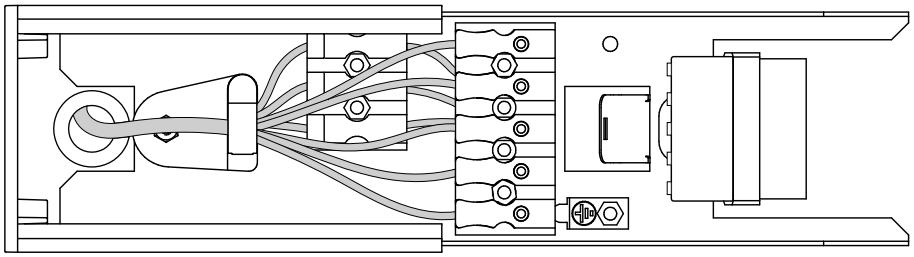


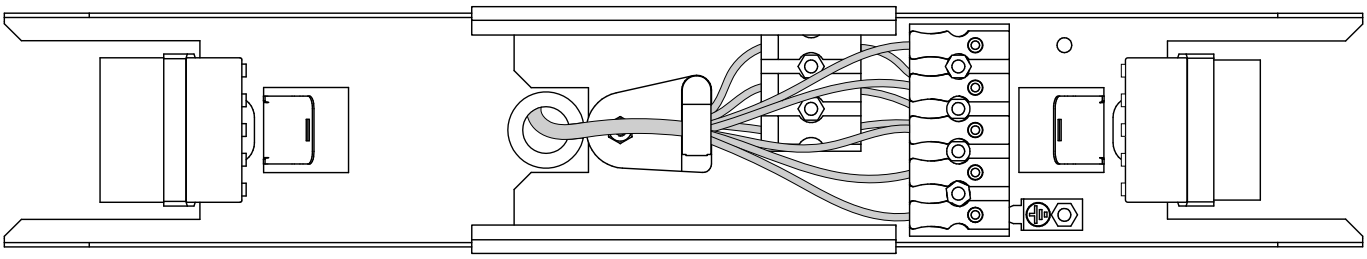
WARNING - Disconnect electricity supply before installation

Wire power cable into connectors for **System Wiring Loom**. *(see Wiring Info - page 1)*

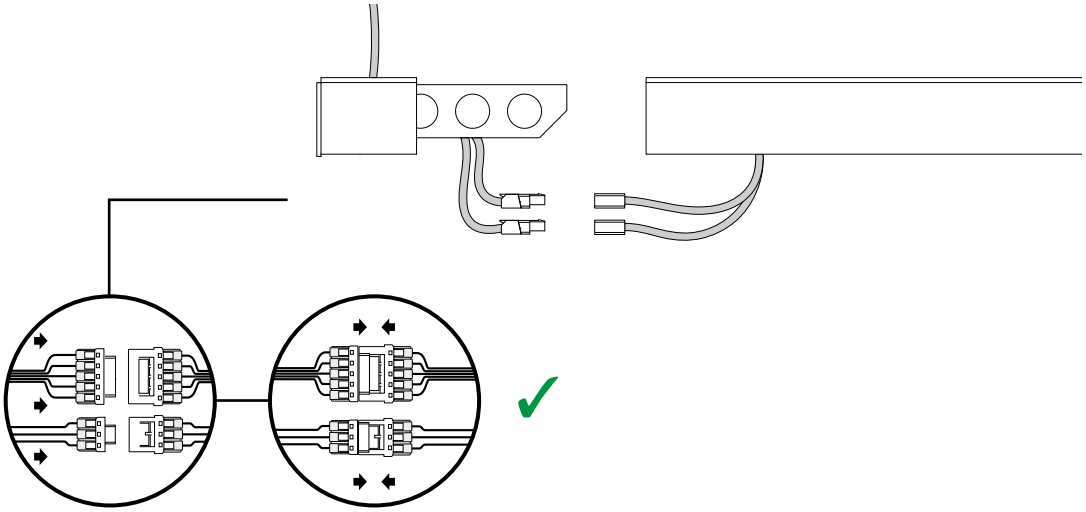
Each module manufactured with required male/female plugs at either end.

1. Power Feeds - Mains Feed Connections

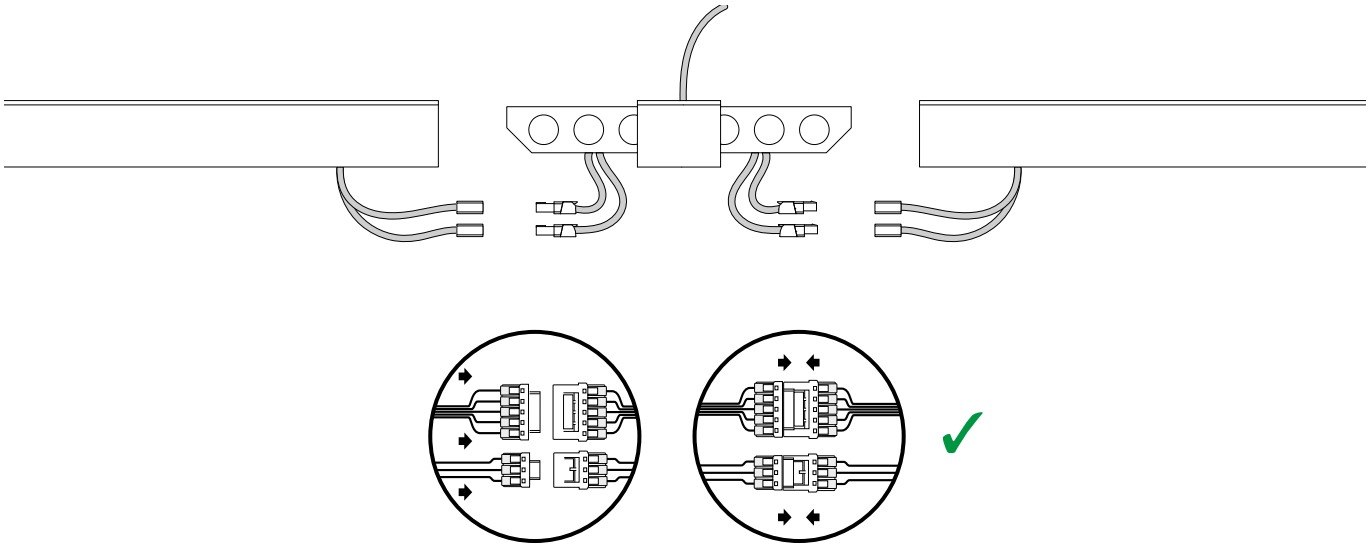




2. Wiring - End Power Feed - Module/Harness Connections



3. Wiring - Centre Power Feed - Module/Harness Connections



Wire power cable into connectors for **System Wiring Loom**. *(see Wiring Info - page 1)*

Each module manufactured with required male/female plugs at either end.

4. Luminaire Module - Phase Selection

All luminaire modules will include a Phase Selection Block.

In order to change the phase circuit for the luminaire:

1. Push to release driver feed wire.

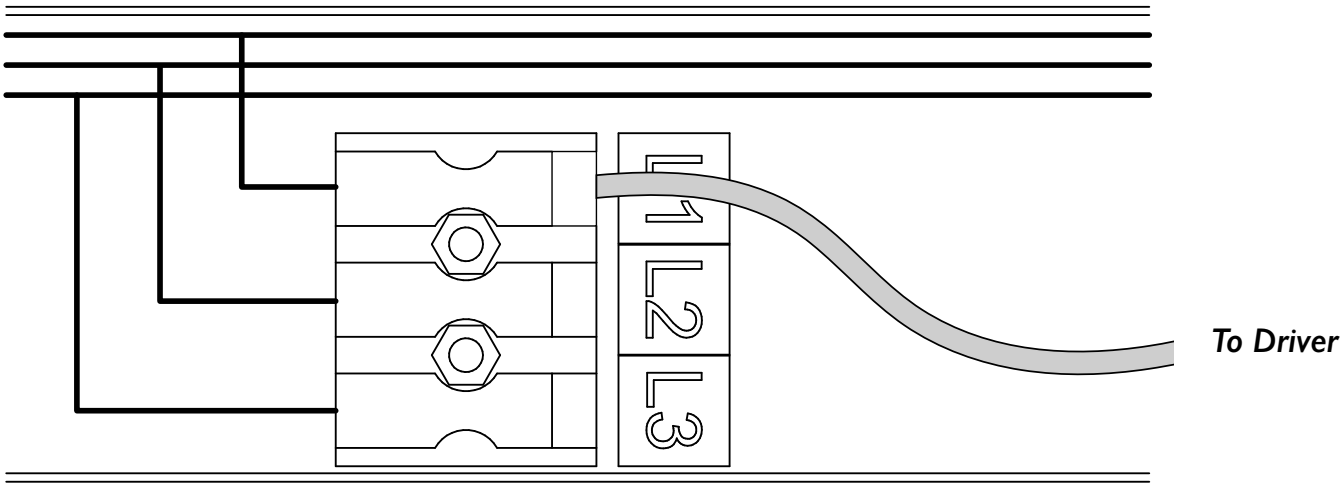
2. Insert into desired phase.

Notes:

1. Modules will be wired into L1 as standard.

2. Ensure modules are switched to the correct phase as per lighting scheme.

3. For Bluetooth modules, the live for the Bluetooth node should be moved as well.



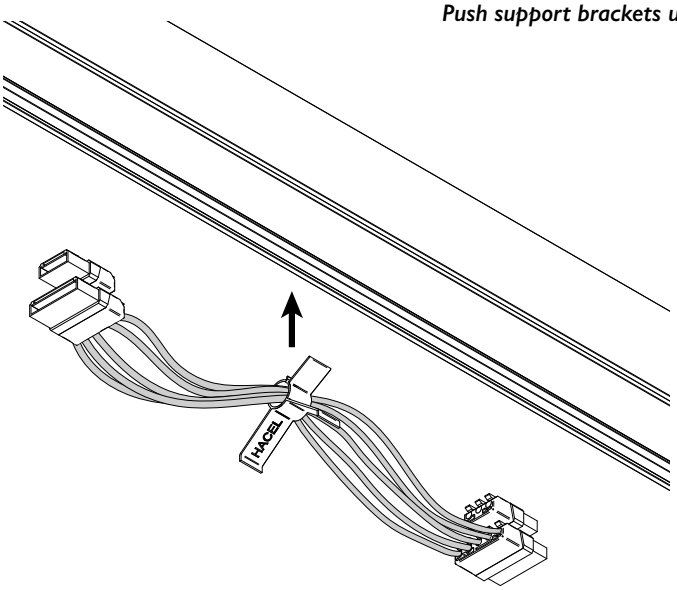
5. Wiring Looms - Between Modules

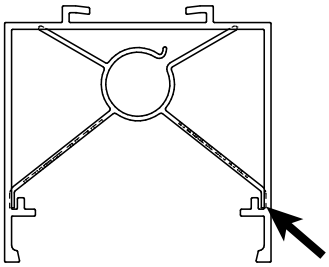
Wiring looms are to be fitted between modules as per system layout.

Support clips are provided in zip-lock bags.

Support clips should be positioned along the harness, approximately 500mm apart.

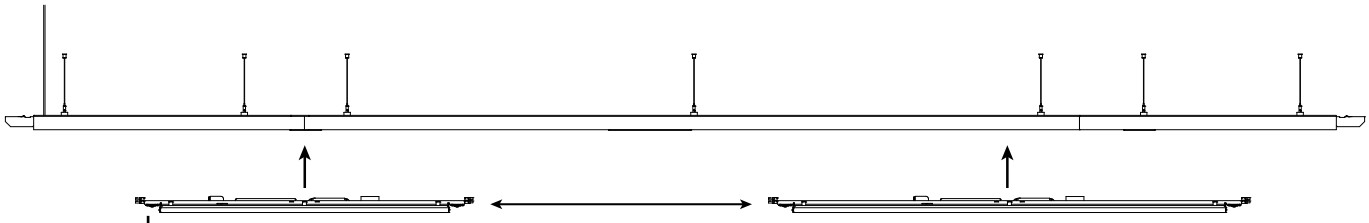
Push support brackets up into the extrusion, until the clip into the groove as shown.





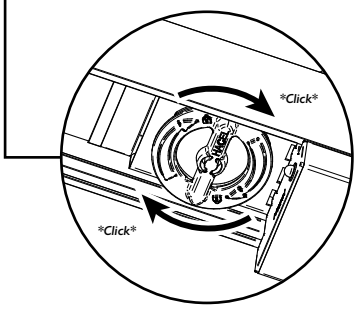
Click into this groove

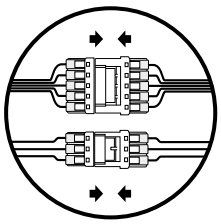
6. Luminaire & Module Positioning



Minimum recommended spacing 200mm

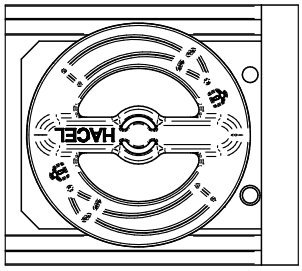
(Between illuminated sections)



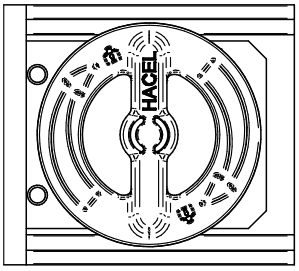


Position luminaire modules in required locations. Twist & lock into place.

NOTE: Modules cannot be positioned over/across power feed modules

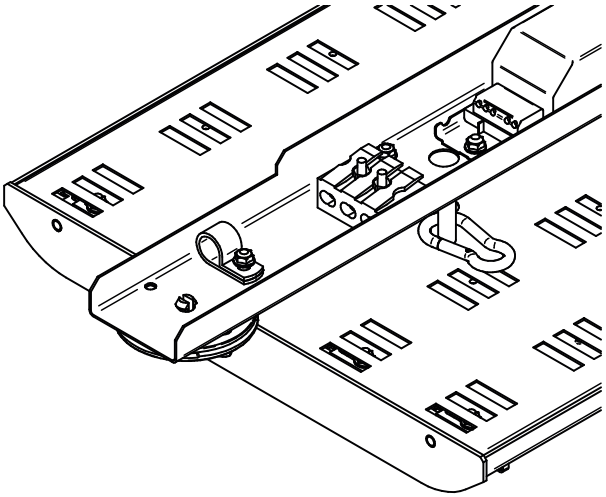


Unlocked Position



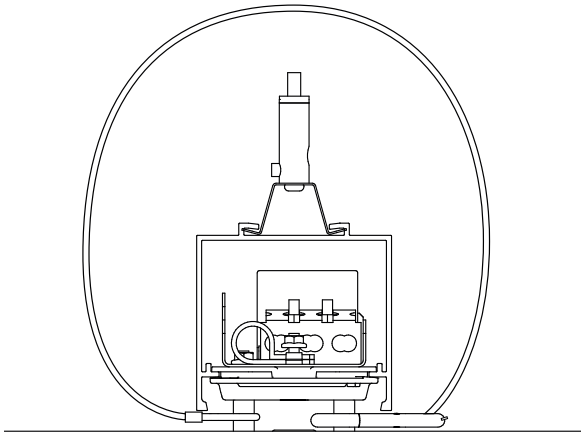
Locked Position

7. Vertigo Installation



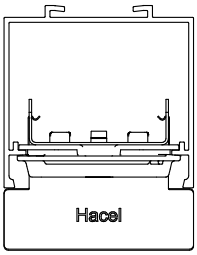
1. Safety sling to be looped over the extrusion
2. Then clipped to the adjacent stand-off

NOTE: Image only shows clip position



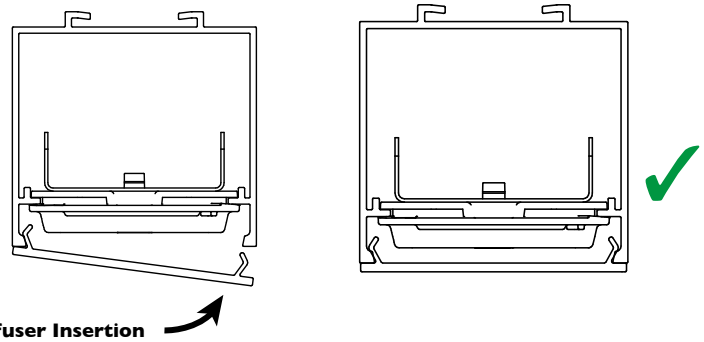
NOTE: May need to attach safety sling prior to turning twistlocks. Module should be supported when doing so.

8. Dropdown Diffuser Module

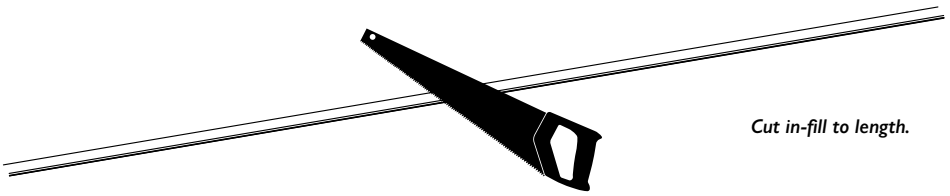


Dropdown diffusers are already fitted to luminaire module.

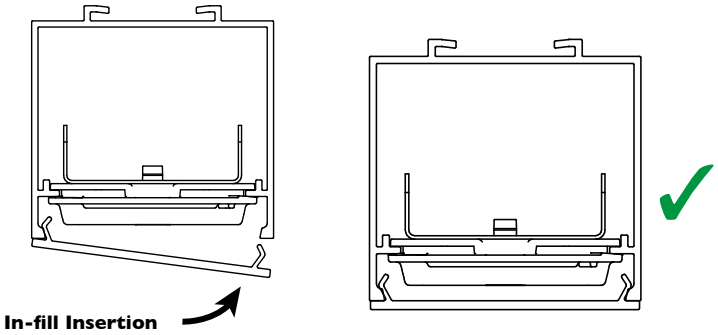
9. Clear/Microprism Diffuser - Installation



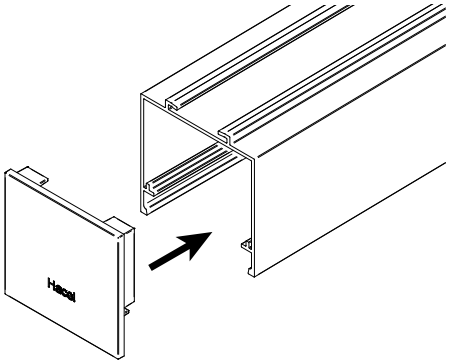
10. In-fill Sections - Installation



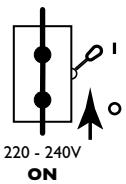
Cut in-fill to length.



11. End Cap - Installation

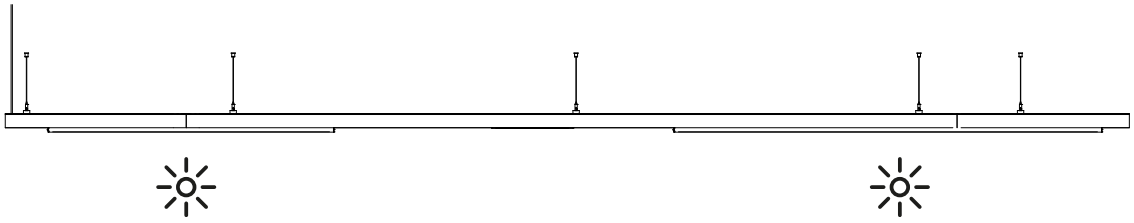


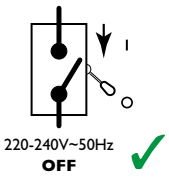
12. Completed Installation - Power Supply



Reconnect electricity supply once system is installed

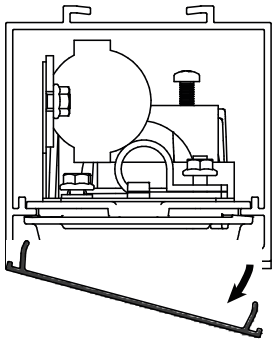
Reconnect the mains supply to ensure all Modules are illuminated correctly.



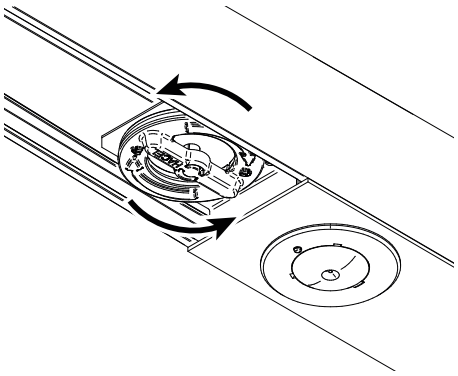


WARNING - Disconnect electricity supply before starting Battery Replacement

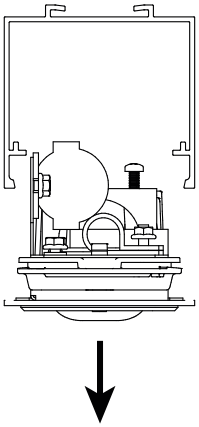
1. Fascia Removal



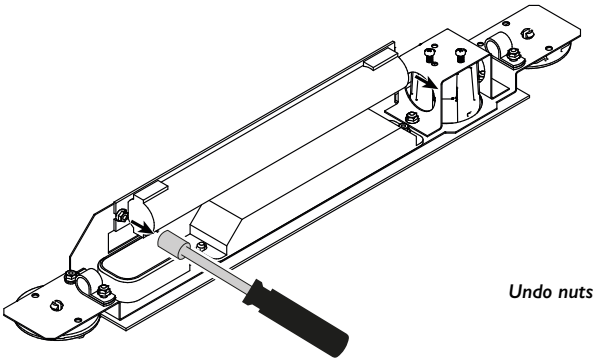
2. Twist Lock



3. Drop Module



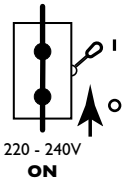
4. Battery Replacement - Replace Battery



Undo nuts holding Battery from Gear Tray and replace.

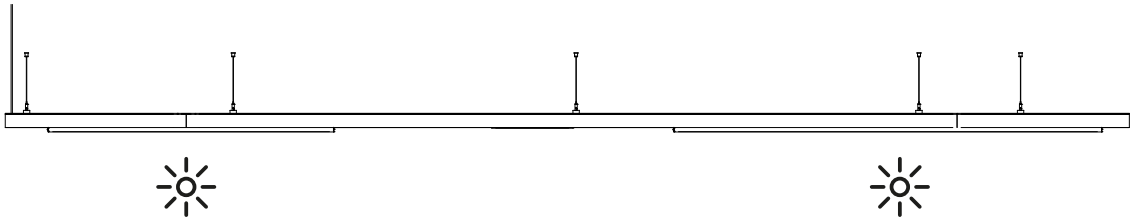
5. Reassemble Module

Re-install module by reversing steps 1-3.



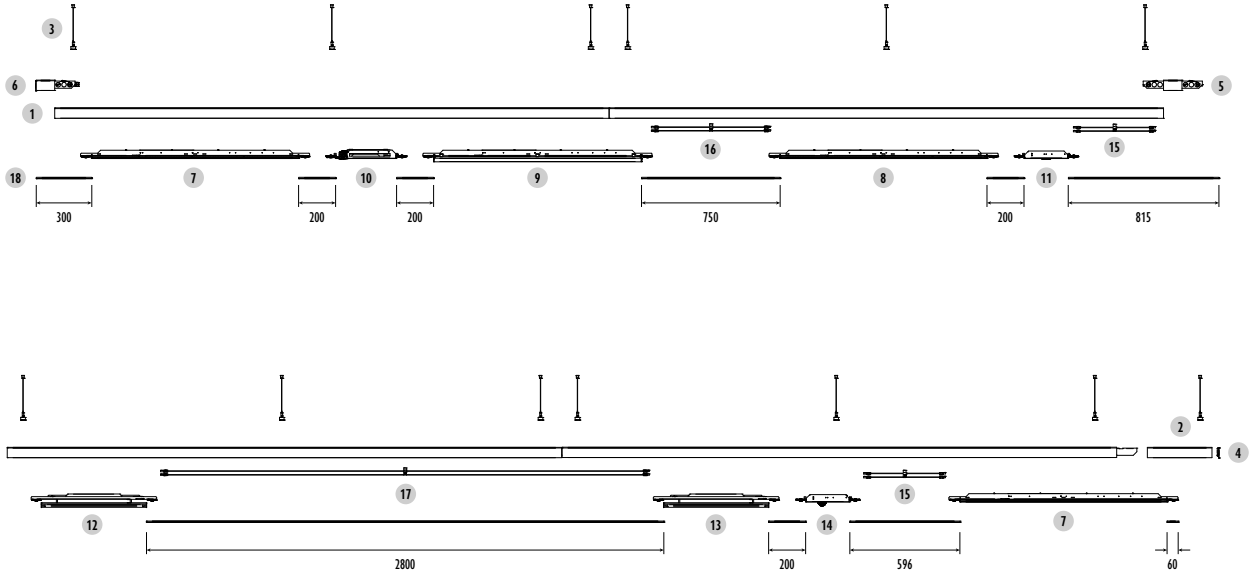
Reconnect electricity supply once system is installed

Reconnect the mains supply to ensure all Modules are illuminated correctly.



Representative Example Layout

Overall Length: 12556mm (Inc. End Caps)



Item	Product Code	Description	Quantity	
1	IN1575XEXT3001	Extrusion 3m - White	4	
2	IN1575XEXT1001	Extrusion 1m - White	1	*Cut to 350mm on-site
3	IN1576XSUP200	2m Supension Kit	5	
4	IN1565XCAP0001	End Caps - White	1	
5	IN1578XPFC0001	Power Feed Centre - White	1	*Includes 100mm extrusion
6	IN1578XPFE0001	Power Feed End - White	1	*Includes 100mm extrusion
7	IN1567ALED422	1120mm Microprism 4000K HO 22W	2	
8	IN1567LLED422	1120mm Microprism DALI Bluetooth 4000K HO 22W	1	
9	IN1571ALED422	1120mm Dropdown 4000K HO 22W	1	
10	IN1588ELED0021	Emergency Module - White	1	
11	IN1566LLED0001	PIR Module Lowbay DALI Bluetooth - White	1	
12	IN1595ALED4681	Vertigo Duet 4000K 68W - White	1	
13	IN1595LLED4681	Vertigo Duet DALI Bluetooth 4000K 68W - White	1	
14	IN1579LLED0001	PIR Module Highbay DALI Bluetooth - White	1	
15	IN1577XLOOM040	0.4m Wiring Loom	2	
16	IN1577XLOOM060	0.6m Wiring Loom	1	
17	IN1577XLOOM260	2.6m Wiring Loom	1	
18	IN1583XINF3001	3m Infill - White	2	*Cut to required length on-site

Notes:

- *Minimum spacing/modules end-to-end = 200mm*
- *Linking loom lengths = 200mm less than the infill spacing*
- *Modules cannot be placed over Power Feeds*
- *Sensor modules used in conjunction with DALI Bluetooth modules*
- *Recommended to place modules with different switching methods on different phases e.g. Non-dim modules on L1 and DALI Bluetooth modules on L2*
- *Minimum distance from start of the run to first module = 300mm*