

instruction manual Stacko & Minipoint System

Stacko is a modular display 95 CRI LED luminaire offering infinite 360° pan rotation that uses the Precision Lighting Minipoint system.

Stacko Aim	1.1W	102lm
Stacko Multi-Aim 3	3.3W	306lm
Stacko Straight Fixed	5.5W	510lm
Stacko Tilt Fixed	3.3W	306lm

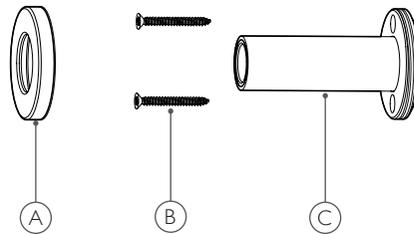
These instructions cover procedures for all versions of Stacko fixtures including:

- Stacko Aim
- Stacko Multi-Aim (All light engine combinations)
- Stacko Straight Fixed
- Stacko Tilt Fixed

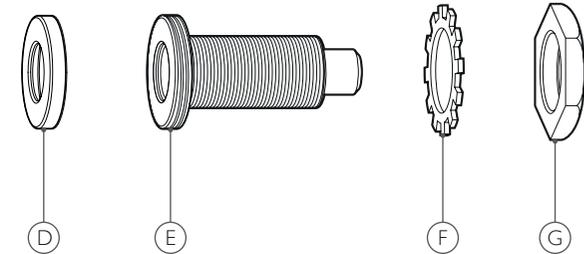
KEY PRODUCT FEATURES

A	Decorative Cap	D	Decorative Cap
B	Screws	E	Node Minipoint
C	Surface Minipoint	F	Lock Washer
		G	Nut

SURFACE MINIPOINT



NODE MINIPOINT



IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THESE PRODUCTS. SAVE THESE INSTRUCTIONS FOR LATER REFERENCE.

1. Mains supply to driver must be OFF before connecting or disconnecting the fittings.
2. All systems must be installed by a suitably qualified professional only. Installations must conform to national installation, accident prevention regulations.
3. Do not install any fixture closer than 150mm (6 inches) from any combustible material. Do not install these systems in a damp or wet location.
4. To reduce the risk of fire and burns, do not install these systems where exposed bare conductors can be shorted or contact any conductive materials. Do not conceal or extend exposed conductors through a building wall.
5. Install only as described in this Precision Lighting manual. Appropriate fixings will need to be used depending on surface material at the installer's discretion.
6. Ensure all connections are tight. Bad connections can cause overheating, arcing and potential fire risk.
7. Wire supply connections must be made with U.L. or compatible testing agency-approved connectors.
8. Luminaires may be hot, allow to cool before touching.
9. Regular cleaning of these products is important. Switch off at mains supply and allow to cool before touching. Clean fittings with a microfibre cloth. Then reconnect the power supply.
10. Always use appropriate optics and ensure they are fitted securely. Use only Precision Lighting recommended accessories.
11. These are constant current fixtures. For use only with an appropriate 350mA LED driver as recommended by Precision Lighting.
12. Do not exceed **10 light engines per driver**.

instruction manual Stacko & Minipoint System

Stacko is a modular display 95 CRI LED luminaire offering 360° bearing aided rotation that uses the Precision Lighting Minipoint system.

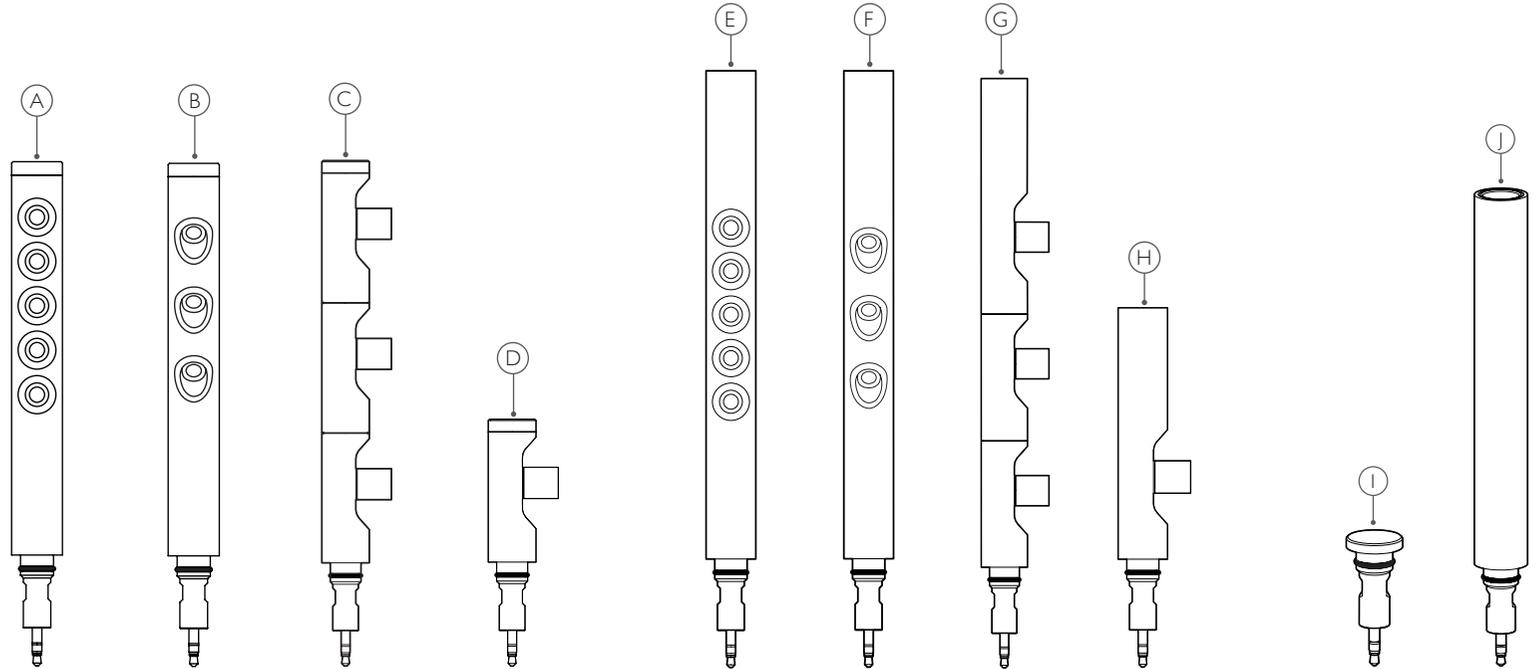
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- Stacko Straight Fixed
- Stacko Tilt Fixed

KEY PRODUCT FEATURES

A I005-E Straight Fixed End	E I005-M Straight Fixed Mid	I End Cap
B I003-E Tilt Fixed End	F I003-M Tilt Fixed Mid	J Extension Tube
C I013-E Multi-Aim 3 End	G I013-M Multi-Aim 3 Mid	
D I011-E Aim End	H I011-M Aim Mid	



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1. Luminaire Modules and Light Engines

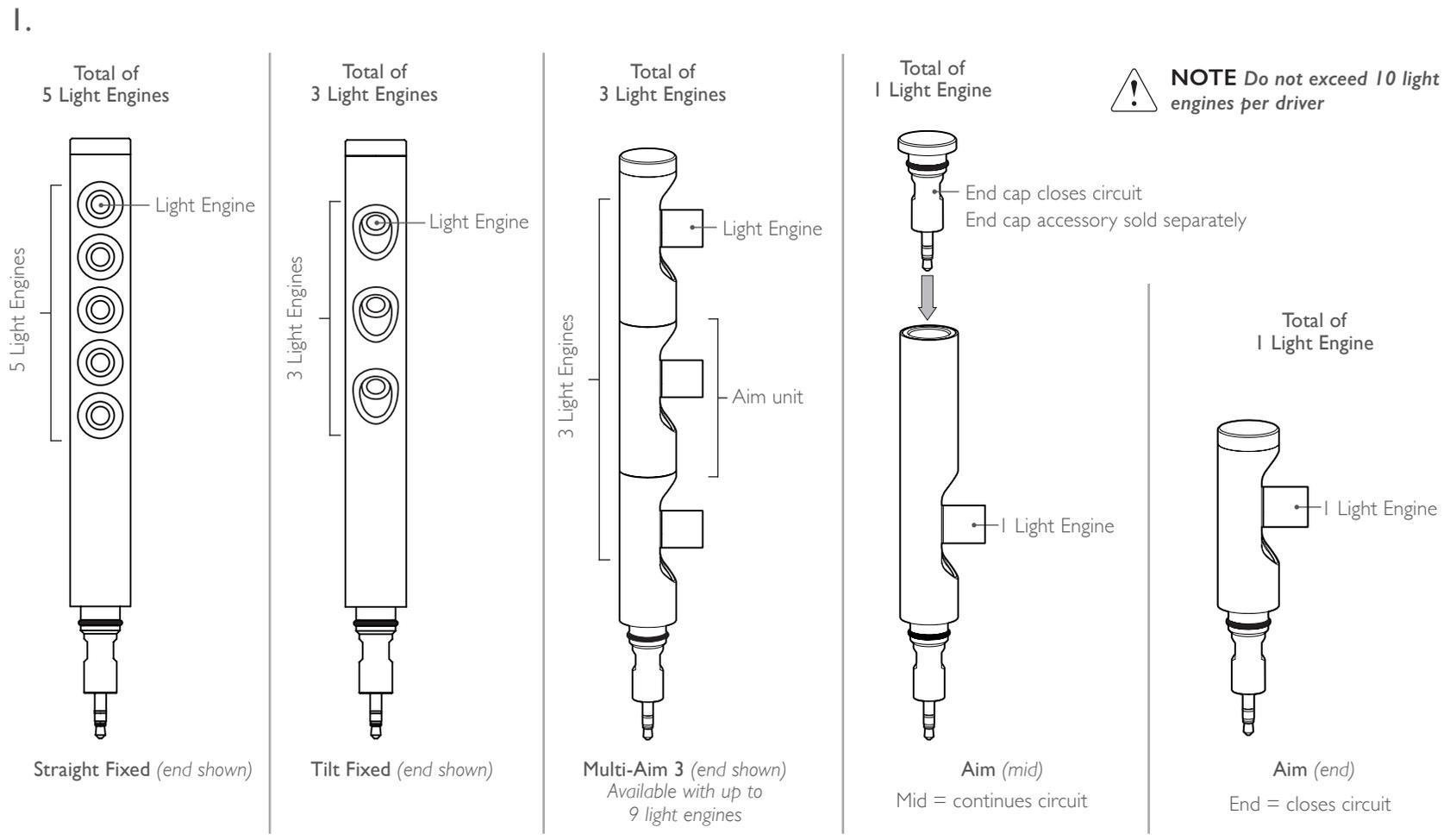
Luminaire modules can be stacked together to create desired lighting configurations or set-ups.

See images adjacent for guidance on number of light engines per luminaire module.

NOTE Do not exceed 10 Light Engines per driver.

Mid luminaire variants continue the circuit.

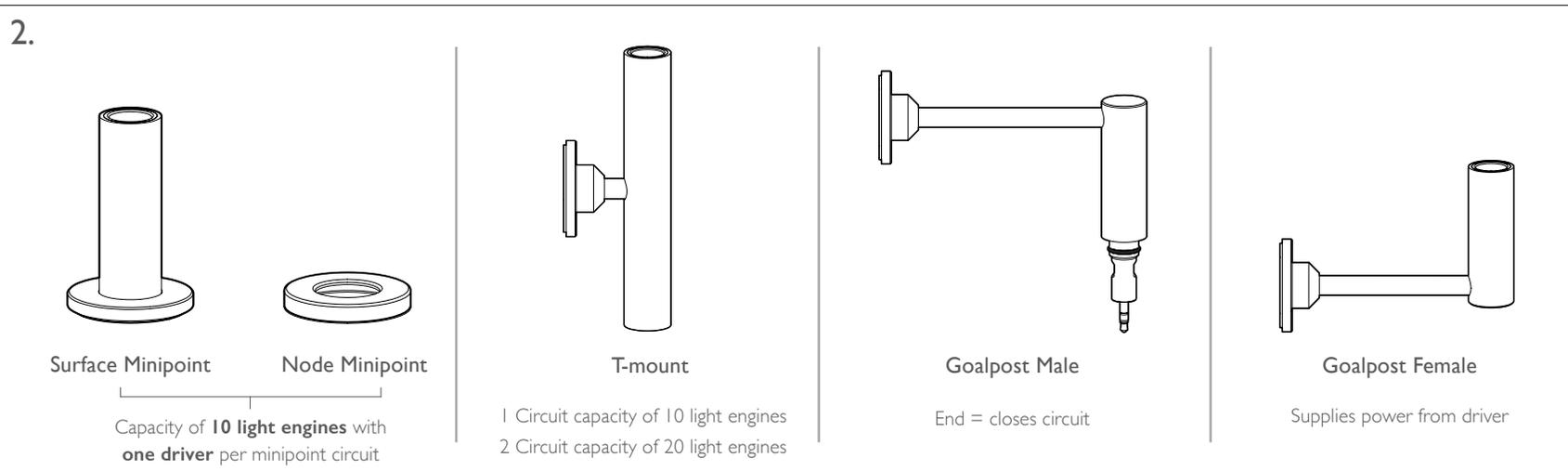
To close the circuit, use an end luminaire module or the end cap. End cap accessory is sold separately.



2. Mounting Options

See installation page for instructions on how to install mounts.

T-mount is able to either feed and supply one circuit **OR** divide and feed into 2 separate circuits.



3. Supports

Magnetic support

Can be used to provide extra support to long stacks whilst maintaining flexibility.

Support

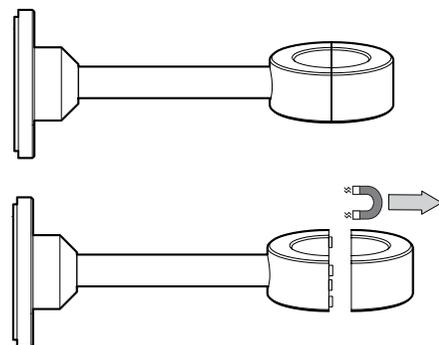
Used to hold stack in place in-line with existing stack. It can either continue a circuit **OR** divide into 2 separate circuits.

See "Installing Mounts and Supports" for installation information.

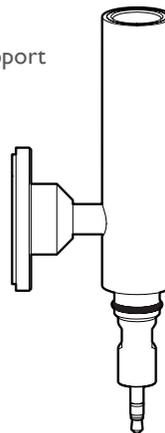
NOTE: do not drill wiring hole for installing magnetic support.

3.

Magnetic support



Support



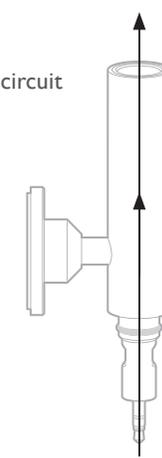
Divided circuit

New circuit
Requires a new driver



NOTE Do not exceed 10 light engines per driver

Continuous circuit



4. Building a stack

Horizontal Stack

In a single stack **do not exceed:**

- 3 luminaire modules
- 1000mm length
- 10 light engines (whichever comes first)

Vertical Stack

In a single stack **do not exceed:**

- 3 luminaire modules
- 1000mm length
- 10 light engines (whichever comes first)

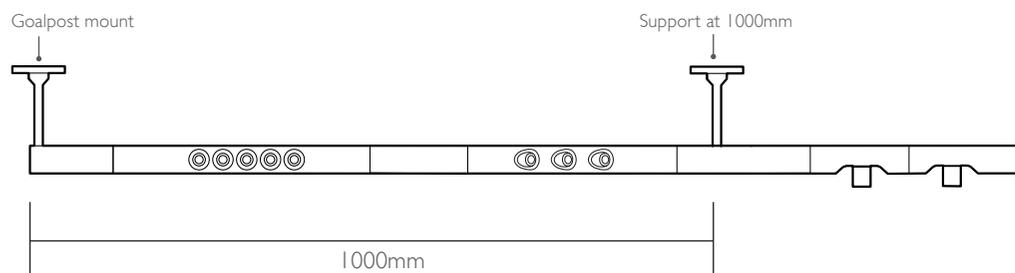
Any of the supports can be used but **must** be in place after:

- using 3 luminaire modules
- 1000mm in length or height
- 10 light engines (whichever comes first)

WARNING Minipoints must **NOT** be installed upside down or sideways.

4.

Horizontal Stack



Horizontal Stack

In a single stack **do not exceed:**

- 3 luminaire modules
- 1000mm length
- 10 light engines (whichever comes first)

Vertical Stack

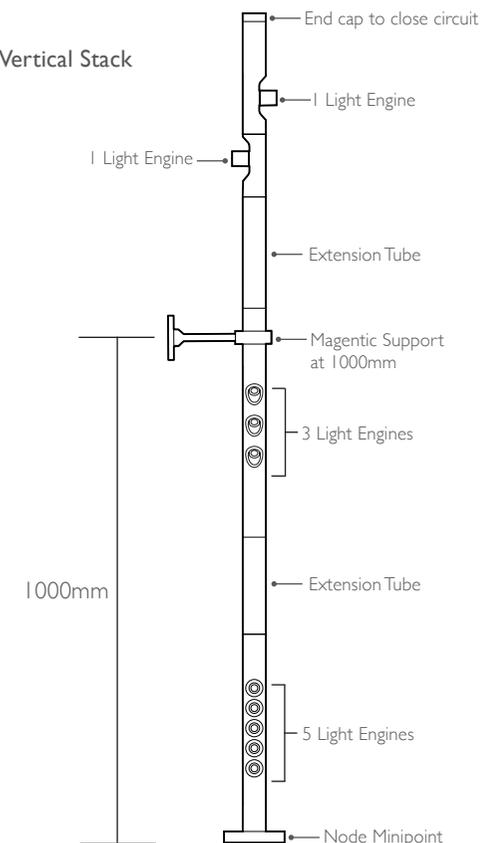
In a single stack **do not exceed:**

- 3 luminaire modules
- 1000mm length
- 10 light engines (whichever comes first)



NOTE Do not exceed 10 light engines per driver

Vertical Stack



5. Installing Mounts and Supports

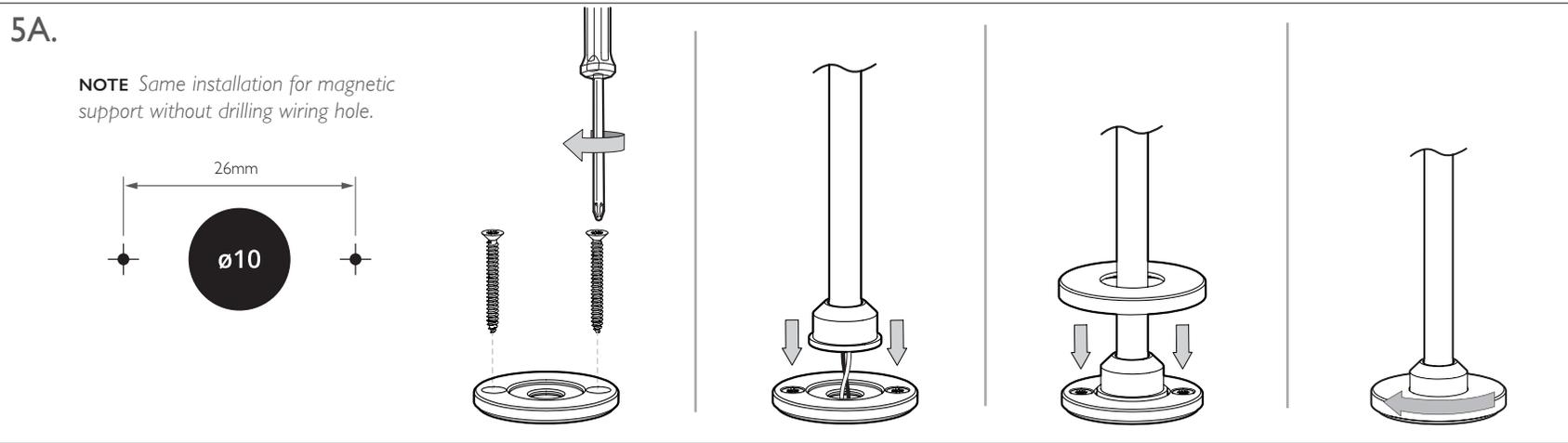
WARNING switch off power to mains before installation.

5A. MOUNTS AND SUPPORTS 2 SCREW FIXING INSTALLATION

Drill wiring hole $\varnothing 10\text{mm}$ (Slightly more than 3/8 inch). Drill 2 pilot holes $\varnothing 2\text{mm}$ for screws 26mm apart as per adjacent drawing.

Align base plate with pilot holes, insert screws and tighten using screw driver.

Place stem onto mount and screw on decorative cap tightly on top to fix into place.



5B. Node Minipoint Installation

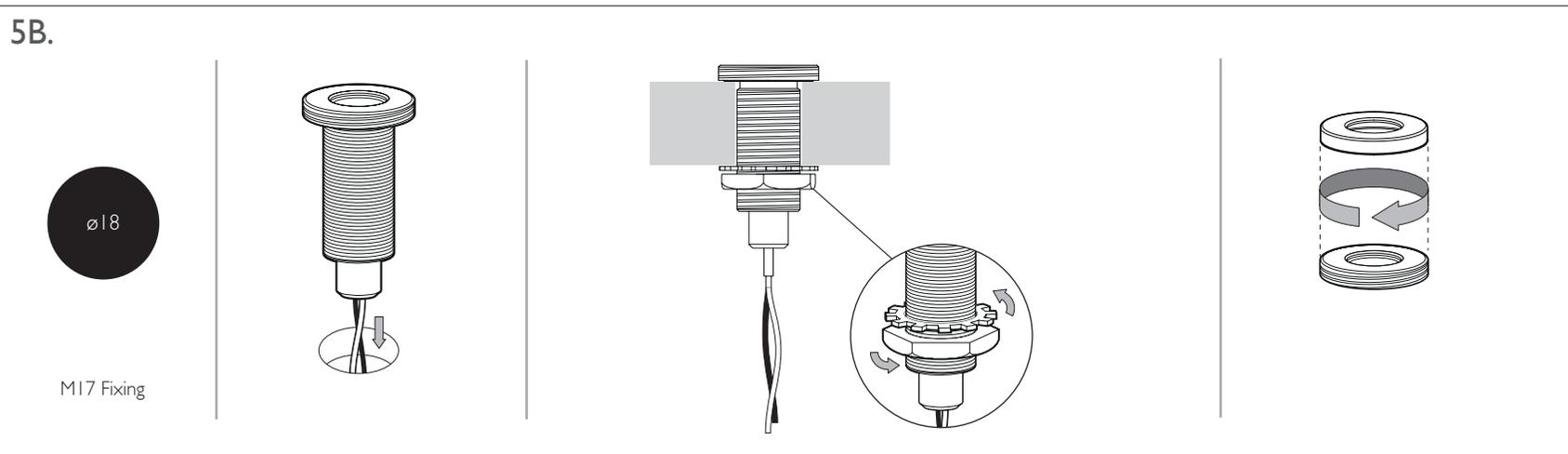
WARNING switch off power to mains before installation.

Drill wiring hole $\varnothing 18\text{mm}$ (3/4 of an inch). Feed mains cable through hole and insert Minipoint into hole.

NOTE: You will need **rear access** to minipoint in order to secure it into place.

Put on lock washer and then screw on M17 nut onto back of minipoint. Fasten tightly to secure minipoint in place.

Screw on decorative cap with desired finish tightly on to top of minipoint to fix into place.



6. Surface Minipoint Installation

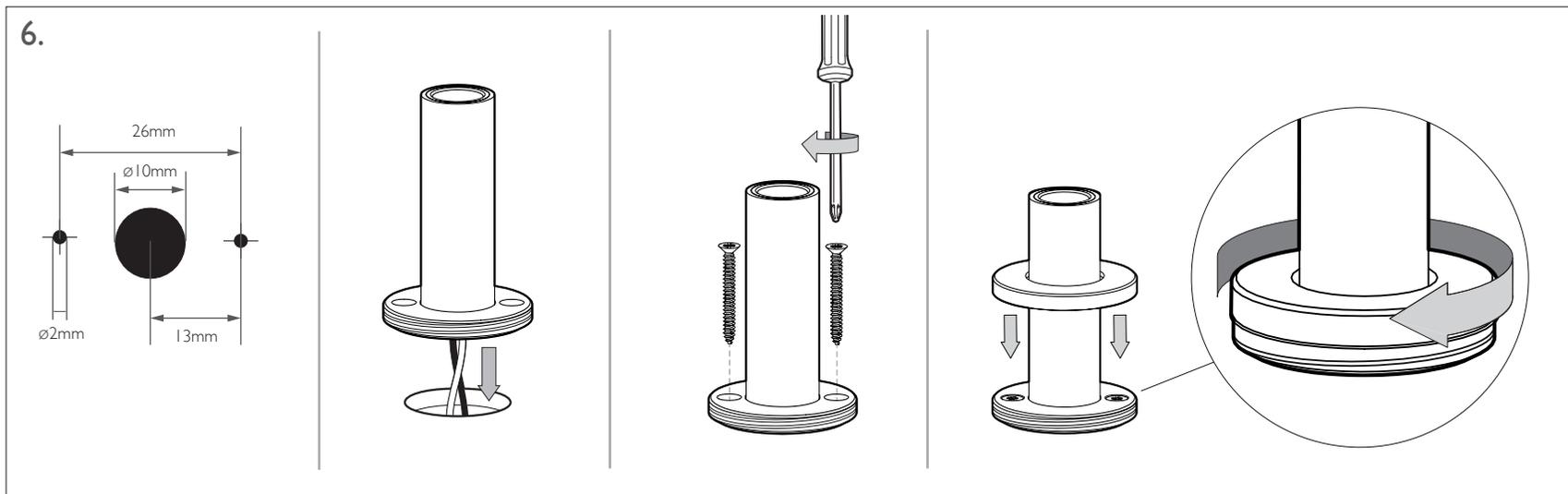
WARNING switch off power to mains before installation.

Drill wiring hole $\varnothing 10\text{mm}$ and 2 pilot holes for screws $\varnothing 2\text{mm}$

Feed mains cable through hole and insert surface minipoint on top of hole.

Align base plate with pilot holes, insert screws and tighten using screw driver.

Put on decorative cap and screw on tightly to fix into place.



7A. Inserting Stacko into Node Minipoint

WARNING switch off power to mains before installation.

WARNING Do not hot plug!

Insert Stacko luminaire into the minipoint.

Keep applying pressure until you hear a soft click and the O-ring is no longer visible.

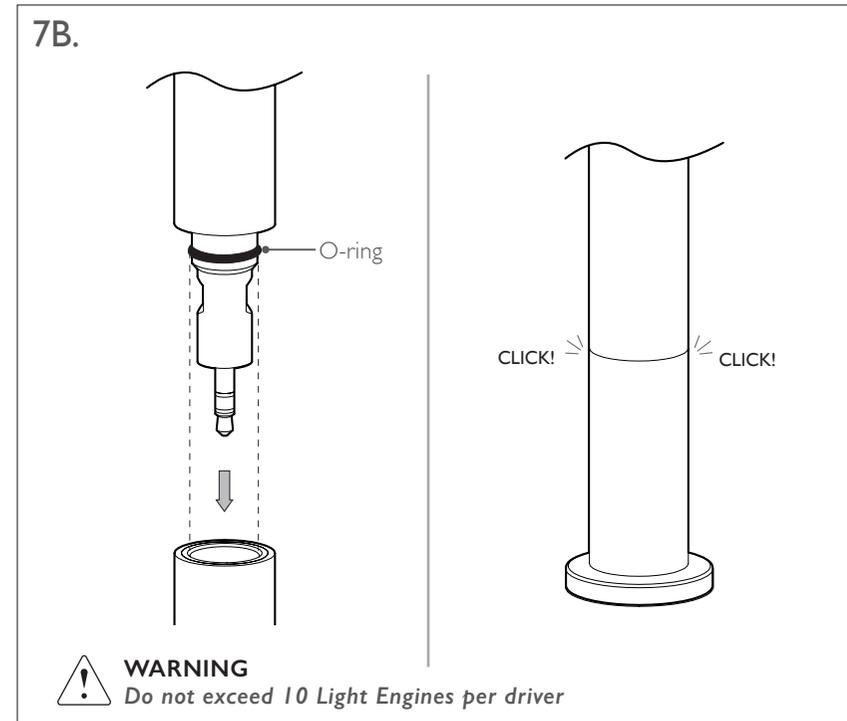
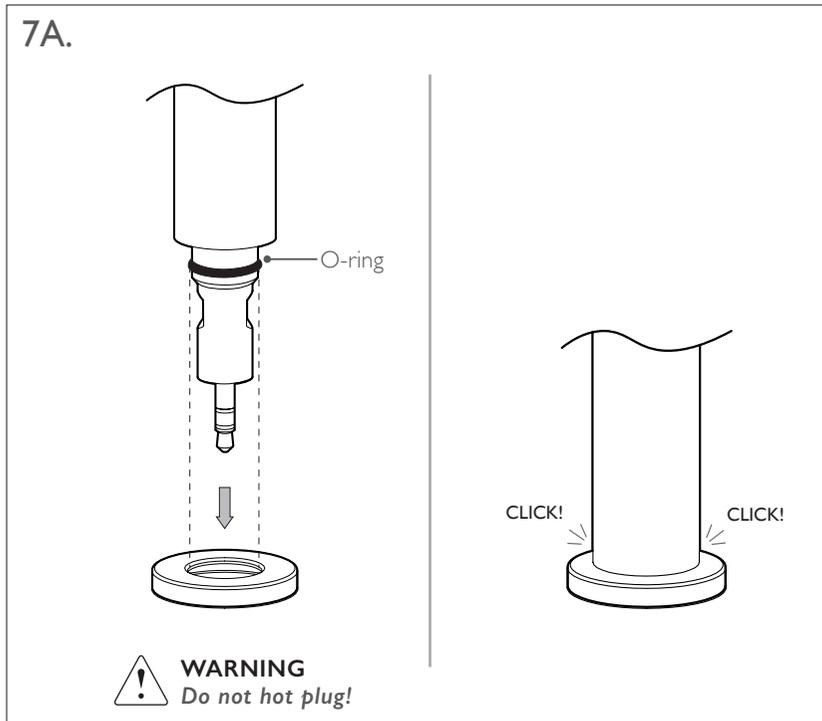
7B. Inserting Stacko into Surface Minipoint

WARNING switch off power to mains before installation.

WARNING Do not hot plug!

Insert Stacko luminaire into the minipoint. Keep applying pressure until you hear a soft click and the O-ring is no longer visible.

NOTE Do not exceed 10 Light Engines per driver.



8. Adjusting tilt of luminaire

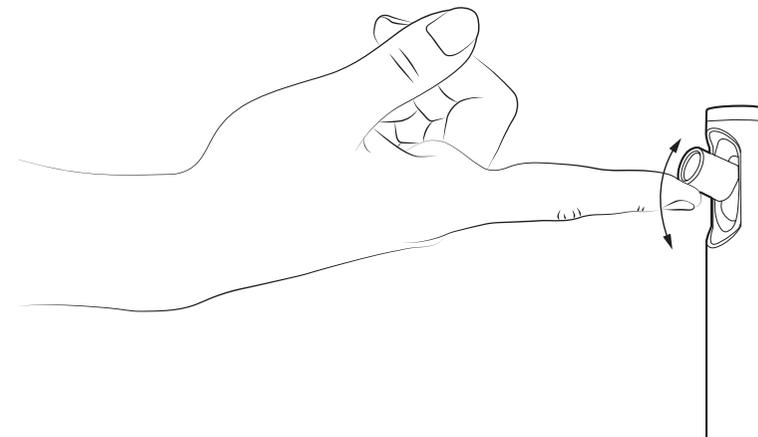
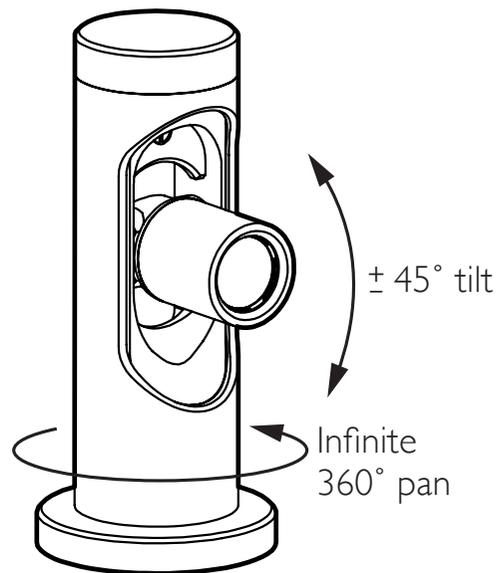
The snoot of the Stacko Aim and Stacko Multi-Aim luminaire can tilt 90°.

Luminaire modules can be rotated infinitely in 360° pan to aim light in different directions.

NOTE: Individual Aim unit of Stacko Multi-Aim variants only rotate 360°. Refer to Section 1 on Page 3

To adjust the tilt of the luminaire, use one finger to gently lift or lower the snoot to direct light in desired position.

8.



9. Removing Snoot & Changing the Optic

WARNING switch off power to mains before installation.

NOTE: Optic can only be changed for Stacko Aim and Stacko Multi-Aim modules

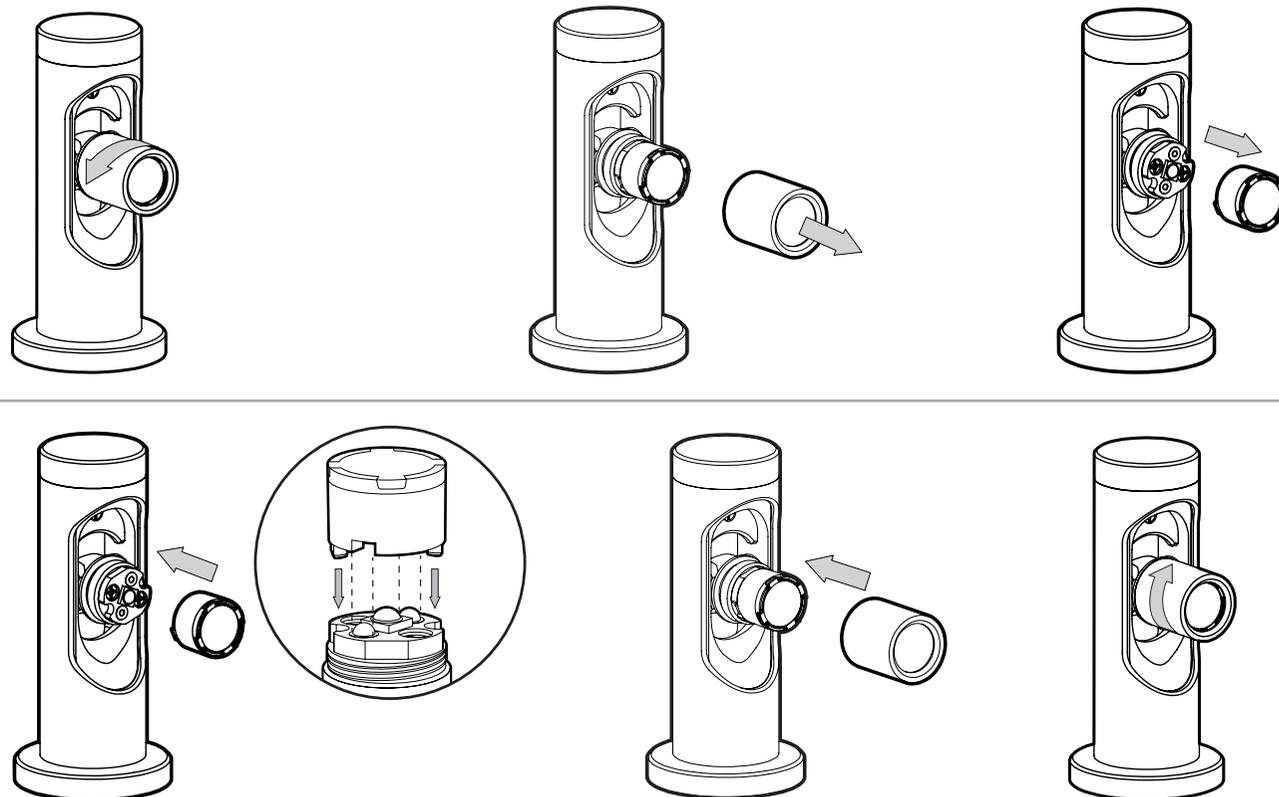
To remove snoot, unscrew snoot and gently pull off.

Once snoot has been removed, the optic can be changed. Gently remove optic from PCB. Be careful when taking optic out as it will be loose.

To install new optic, align optic base pins with slots on PCB and set into place.

Then place snoot over optic and screw clockwise to securely fix to luminaire. There should be no gap between the snoot and the luminaire body.

9.



10. Changing the Snoot

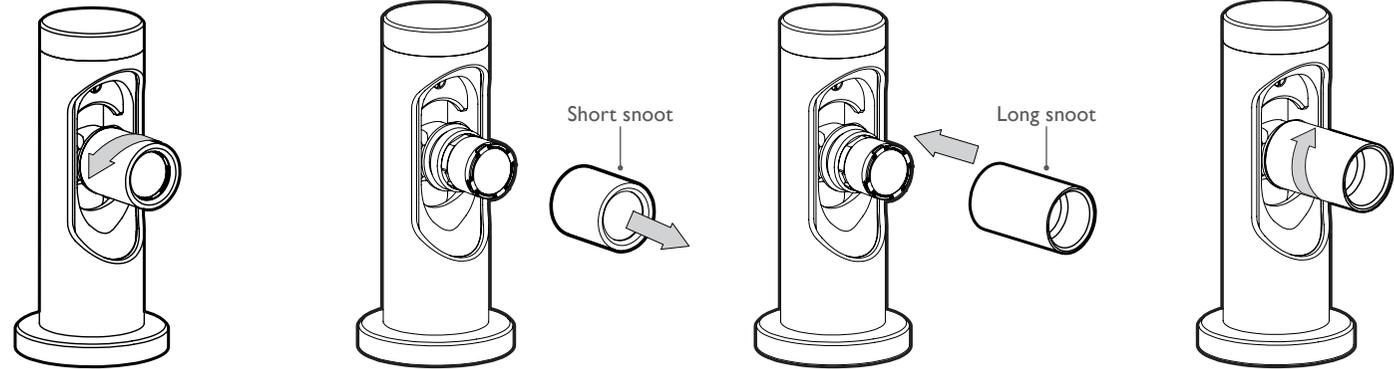
To remove snoot, unscrew snoot and pull off.

Place new snoot over optic and screw clockwise to securely fix to luminaire body. There should be no gap between the snoot and the luminaire body.

NOTE: To prevent optic from falling out, use a pen or little finger to hold optic in place whilst placing the snoot back on.

Tighten snoot clockwise to secure snoot in place.

10.



11. Electrical Installation

WARNING switch off power to mains before installation.

NOTE: Due to small Minipoint size, drivers **must** be located remotely; cut out is too small for dimmable drivers to pass through.

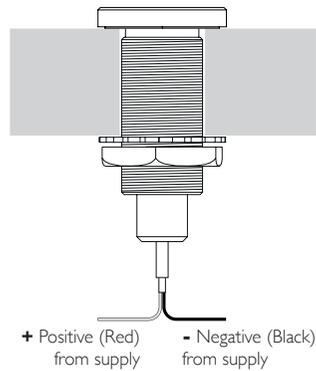
See electrical instructions for wiring schematic. Ensure circuit is **wired in series**. Please **only use** the following compatible drivers listed below:

- Eldoled 350mA Constant Current 20W 0-10V (PSCC-20-350-A-EL)
- Eldoled 350mA Constant Current 20W DALI (PSCC-20-350-D-EL)

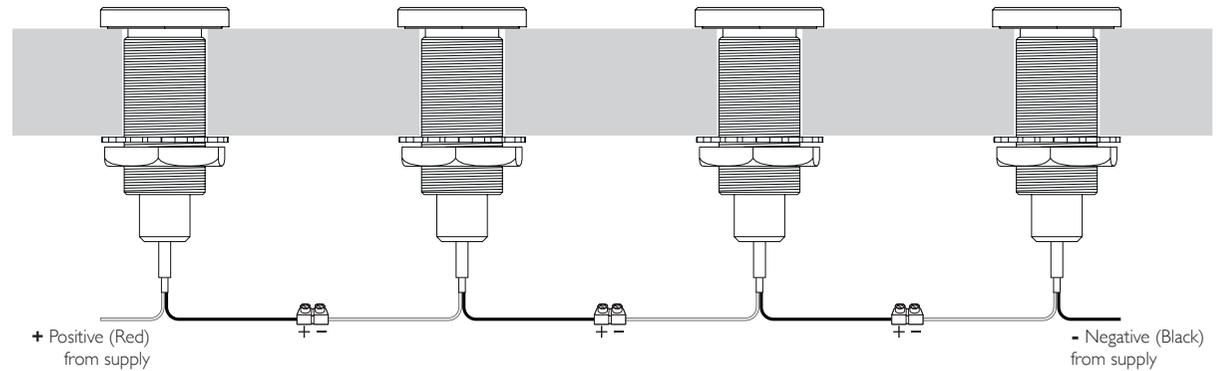
Note: Do not exceed more than 10 light engines per Minipoint.

11. Precision Lighting recommends 1 driver per minipoint for Stacko configurations.

SINGLE MINIPOINT



MULTIPLE MINIPOINTS - MUST BE WIRED IN SERIES



WARNING Do not connect or disconnect under load.

Ensure driver has not been powered for a minimum of 1 minute before reconnecting the LED module after disconnecting. **Do not hot plug.** Failure to this instruction will lead to serious damage of the LED module and driver and will not be covered by warranty.

WARNING Minipoints must **NOT** be installed upside down or sideways. Please **ONLY** install in the orientation displayed in the above diagram.

Note: Maintain correct polarity when wiring. Incorrect wiring will cause serious damage and will not be covered by warranty. Must be installed according to SELV regulations.

Wire specification: 24 AWG, double insulated teflon wire.

Red = Positive **Black** = Negative



NOTE Do not exceed 10 light engines per driver