

## instruction manual

### ATTO

Atto - 1W, 3.2V, 350mA



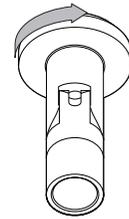
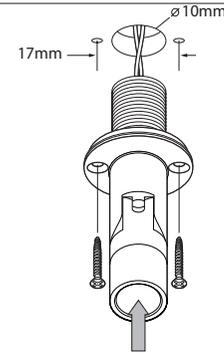
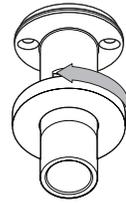
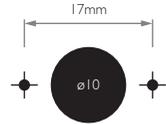
## IMPORTANT SAFETY INFORMATION

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

- Mains supply to driver must be OFF before connecting or disconnecting the fittings.
- All systems must be installed by a suitably qualified professional only. Installations must conform to national installation, accident prevention regulations.
- 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.
- 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.
- 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.
- Ensure all connections are tight. Bad connections can cause overheating, arcing and potential fire risk.
- Wire supply connections must be made with U.L or compatible testing agency-approved connectors.
- Luminaires may be hot, allow to cool before touching.
- 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.
- Always use appropriate optics and ensure they are fitted securely. Use only Precision Lighting recommended accessories.
- These are constant current fixtures. For use only with an appropriate 500mA LED driver as recommended by Precision Lighting

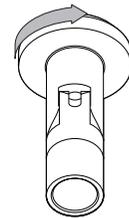
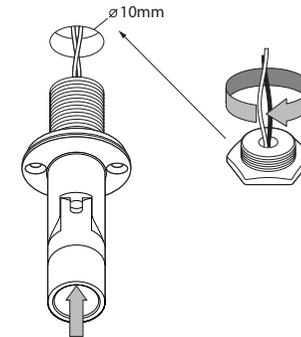
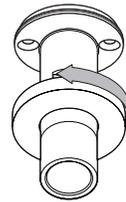
### 1a.

A - 2 Screw Fixing



### 1b.

B - M10 Fixing



### Constant current 350mA driver only

#### 1. Mechanical Installation.

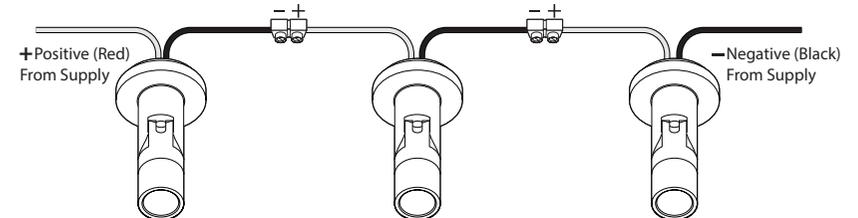
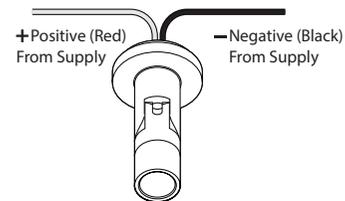
- Unscrew canopy anti-clockwise to remove.
- If no rear access is available (**1a**), secure in place using screws provided, running cables out the side of the monopoint.
- If rear access is available (**1b**) you can use M10 nut provided to fasten the light.
- Replace canopy by screwing clockwise to secure.

#### 2. Electrical Installation.

##### i. Mains supply to the driver must be OFF before and during connection and disconnection the fittings.

- The lights are polarity sensitive, Red is Positive, Black is Negative.
- Multiple fittings on one circuit must be connected in series.
- Do not use more than the stated number of fittings per driver

### 2.



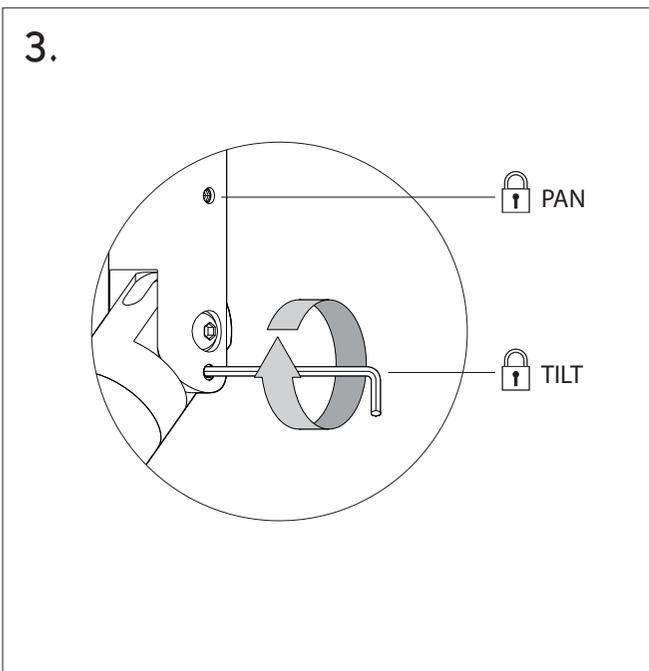
**WARNING** Do not connect or disconnect under load. Ensure driver has not been powered for a minimum of 1 minute before reconnecting the LED module after disconnecting. Do not hot plug. Failure to follow this instruction will lead to serious damage of the LED module and driver and will not be covered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

**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

### 3. Locking the luminaire in Pan and Tilt.

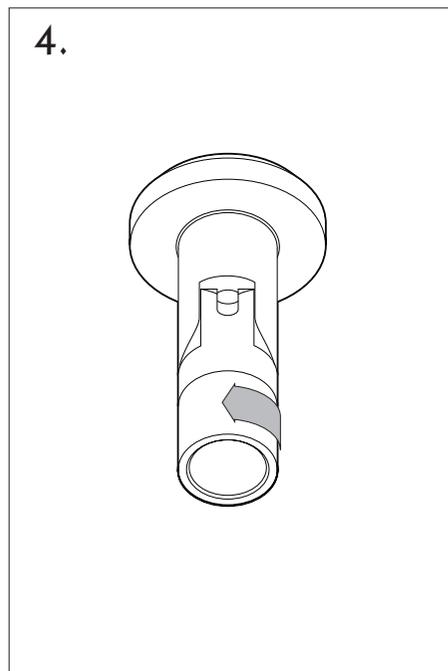
**NOTE** only adjust luminaire position when unlocked.

- i. Adjust luminaire to desired position, using angle gauge if required.
- ii. Lock luminaire position using 0.9mm Allen key provided.



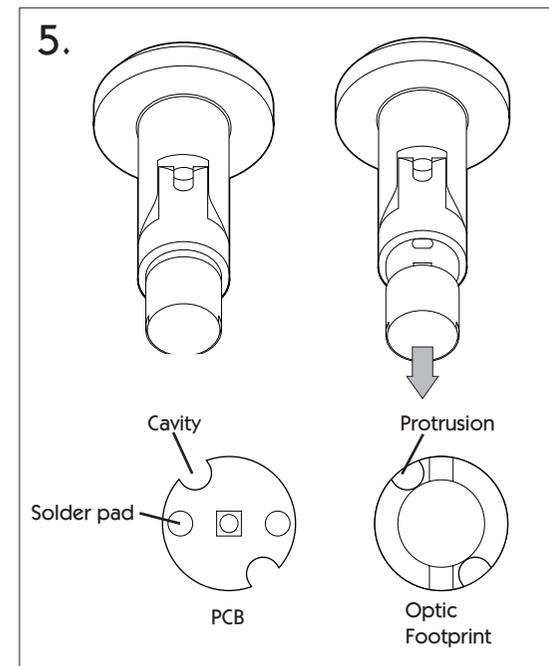
### 4. Snoot removal

- i. Unscrew cap anti-clockwise to remove.



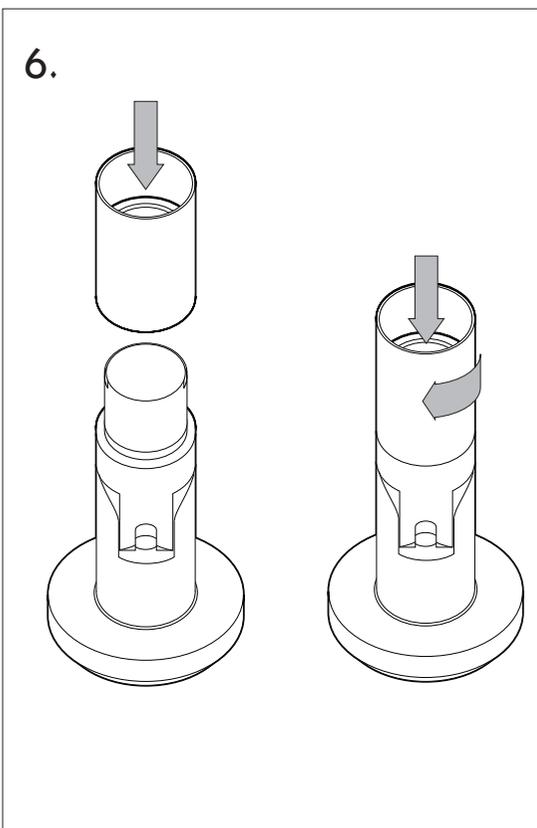
### 5. Swapping of optic

- i. Remove the optic with a sharp pull. Do not twist the optic during removal.
- ii. **Note the detail on the underside of the optic. The 2 side cavities on the optic must be placed over the solder pads of the PCB. The 2 protrusions must also line up with the PCB cutouts**
- iii. Press the optic onto the PCB and screw down snoot.



### 6. Attaching snoot

- i. Slide the new snoot over the optic.
  - ii. Press the optic down whilst screwing the cap on clockwise.
  - iii. There should be no gap left between the heatsink and the snoot.
- iv. Do not overtighten.**



### 7. Adjusting the height (Stem only)

- i. Unscrew the cover ring **1.5 turns**.
- ii. Gently push or pull the luminaire into or out of the mounting base.
- iii. Tighten the cover ring till it stops. The height is now locked.

