**instruction manual**

**Pico Jack & Minipoint System**

Pico Jack is a small modular display 95 CRI LED luminaire offering 360° bearing aided rotation and 180° tilt that uses the Precision Lighting Minipoint system.

- **Pico Jack** 2.2W 180lm
- **Pico Long Snoot Jack** 2.2W 180lm
- **Pico Zoom Jack** 2.2W 180lm
- **Pico Plus Jack** 2.2W 180lm
- **Pico S Jack** 2.2W 180lm
- **Pico Long Snoot S Jack** 2.2W 180lm
- **Pico Zoom S Jack** 2.2W 180lm
- **Pico Plus S Jack** 2.2W 180lm

These instructions cover procedures for all versions of Pico Jack fixtures including:

- **Pico Jack**
- **Pico S Jack**
- **Pico Long Snoot Jack**
- **Pico Long Snoot S Jack**
- **Pico Zoom Jack**
- **Pico Zoom S Jack**
- **Pico Plus Jack**
- **Pico S Plus Jack**

**KEY PRODUCT FEATURES**

| A | Pico luminaire head |
| B | Pico Long Snoot luminaire head |
| C | Pico Zoom luminaire head |
| D | Pico Plus luminaire head |
| E | Standard Jack luminaire body |
| F | Stem (S) Jack luminaire body |
| G | Decorative Cover |
| H | Minipoint |
| I | Lock Washer |
| J | Nut |

**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 700mA LED driver as recommended by Precision Lighting.

© 2019 Precision Lighting Ltd. We reserve the right to change details of design, materials and finish. Version 07.19
1. Installation

**WARNING** switch off power to mains before installation.

Cut hole ø18mm (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 cover with desired finish on to top of minipoint.

2. Inserting Pico Jack into Minipoint

**WARNING** switch off power to mains before installation.

**WARNING** Do not hot plug!

Insert Pico jack luminaire into the minipoint ensuring to line up pins with the internal grooves.

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

3. Locking Pan & Tilt

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

Adjust luminaire to desired position. To lock into place, insert 2mm hex key provided into pan and tilt holes then rotate hex key clockwise.

*WARNING* Do not hot plug!
4. Snoot Removal and Changing the Optic

**WARNING** switch off power to mains before installation.

To remove snoot, rotate snoot anti-clockwise and lift off.

Once snoot has been removed, the optic can be changed. Remove optic from PCB.

To install new optic, align the slots with the solder pads on PCB and set into place. Then place snoot over optic and rotate clockwise to securely fix to luminaire. There should be no gap between the snoot and the luminaire body.

5. Changing the Snoot

To remove snoot, rotate snoot anti-clockwise and lift off.

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

6. 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 700mA Constant Current 20W 0-10V (PSCC-20-700-A-EL)
- Eldoled 700mA Constant Current 30W 0-10V (PSCC-30-700-A-EL)
- Eldoled 700mA Constant Current 20W DALI (PSCC-20-700-D-EL)
- Eldoled 700mA Constant Current 30W DALI (PSCC-30-700-D-EL)

Note: Do not install more than 10 Minipoints in one series circuit. It would exceed its rated voltage limit.

**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.

**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