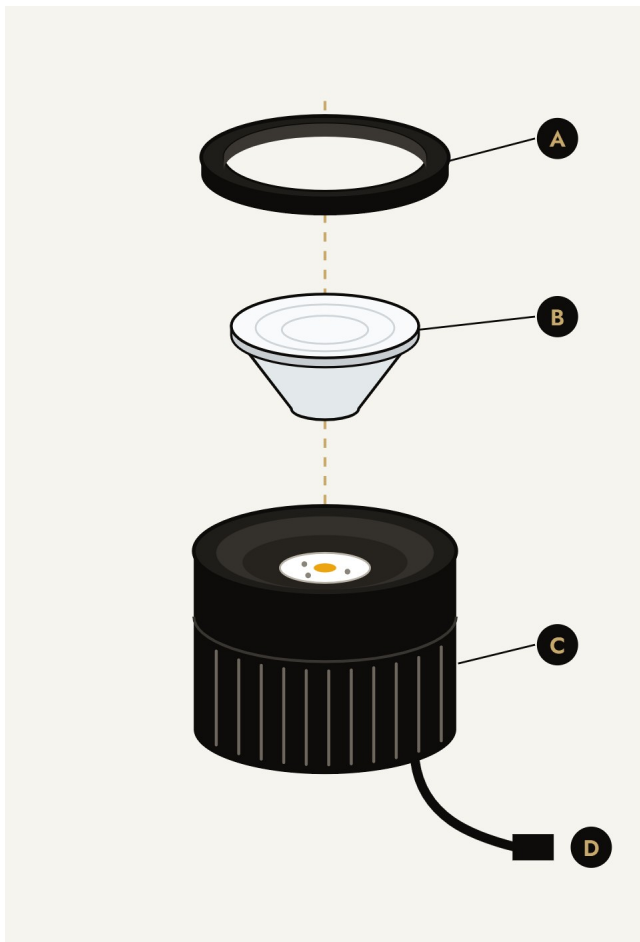


tru-colour

Lens removal and fitting

How to take out and refit the lens on a Tru-Colour LED module.



THE PARTS

- A Retaining ring.** Screws onto the front and clamps the lens.
- B Lens.** The optic that shapes the beam. Narrow end faces the LED.
- C Module body.** Finned heatsink with the COB LED inside.
- D Lead.** Flying lead with a plug-in connector to the driver.

BEFORE YOU START

-  **Isolate the supply.** Never open a module that is live.
-  **Let it cool.** The heatsink and lens get hot in use.
-  **No tools needed.** Everything turns by hand. Don't use pliers.
-  **Keep it clean.** Hold the lens by its edge. Never touch the yellow LED.



LENS OUT

The COB LED sits on its board inside the body.



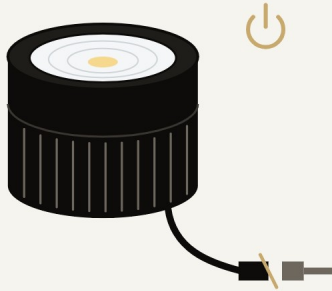
LENS FITTED

Ring tight, lens flat and centred.

PART 1 · 4 STEPS

Removing the lens

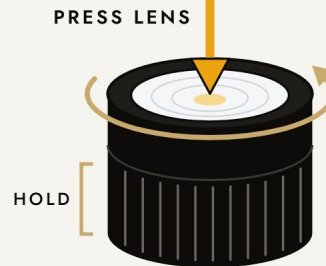
Turn directions are as seen looking at the front of the module.



01 Switch off and unplug

Isolate the circuit and let the module cool. Unplug the lead at the connector and work on a clean bench.

⚠ HOLD THE LENS STILL



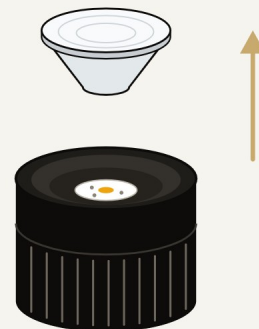
02 Hold the lens, unscrew the ring

Keep a thumb pressed on the lens centre so it can't turn. Hold the body. Turn the front ring anticlockwise until it comes free.



03 Lift off the ring

Lift the ring straight off and put it somewhere safe. The lens is now loose in the body.



04 Take out the lens

Pinch the lens by its edge and lift it straight out. Don't touch the LED or the inner face of the lens.

LENS STUCK?

Turn the module face down over a soft cloth and tap the body gently. The lens will drop out. Never lever it with a screwdriver.

PART 2 · 4 STEPS

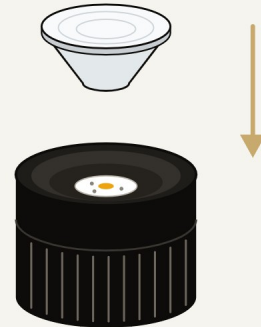
Fitting the lens

Turn directions are as seen looking at the front of the module.



01 Check it's clean

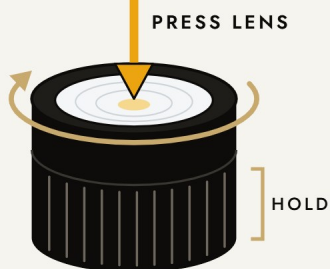
Make sure the LED and both faces of the lens are clean and dry. Blow dust away. Never wipe the LED.



02 Drop in the lens

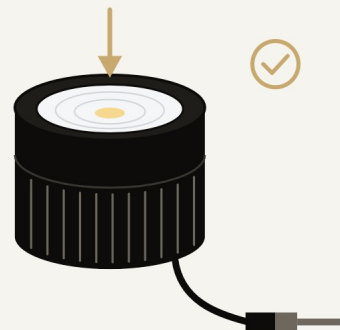
Lower the lens in, narrow end first, centred over the LED. It should sit flat and level in the body.

⚠ HOLD THE LENS STILL



03 Hold the lens, screw on the ring

Keep a thumb pressed on the lens centre so it stays put. Turn the ring clockwise until it's hand-tight. Don't cross the thread.



04 Check, reconnect, test

Press the lens centre lightly. It shouldn't move or rattle. Plug the lead back in, restore power and test.

WON'T SIT FLAT?

Take the lens out, check nothing is trapped under its edge and try again. Never force the ring down.