

# FireLED™ RANGE INSTALLATION INSTRUCTIONS



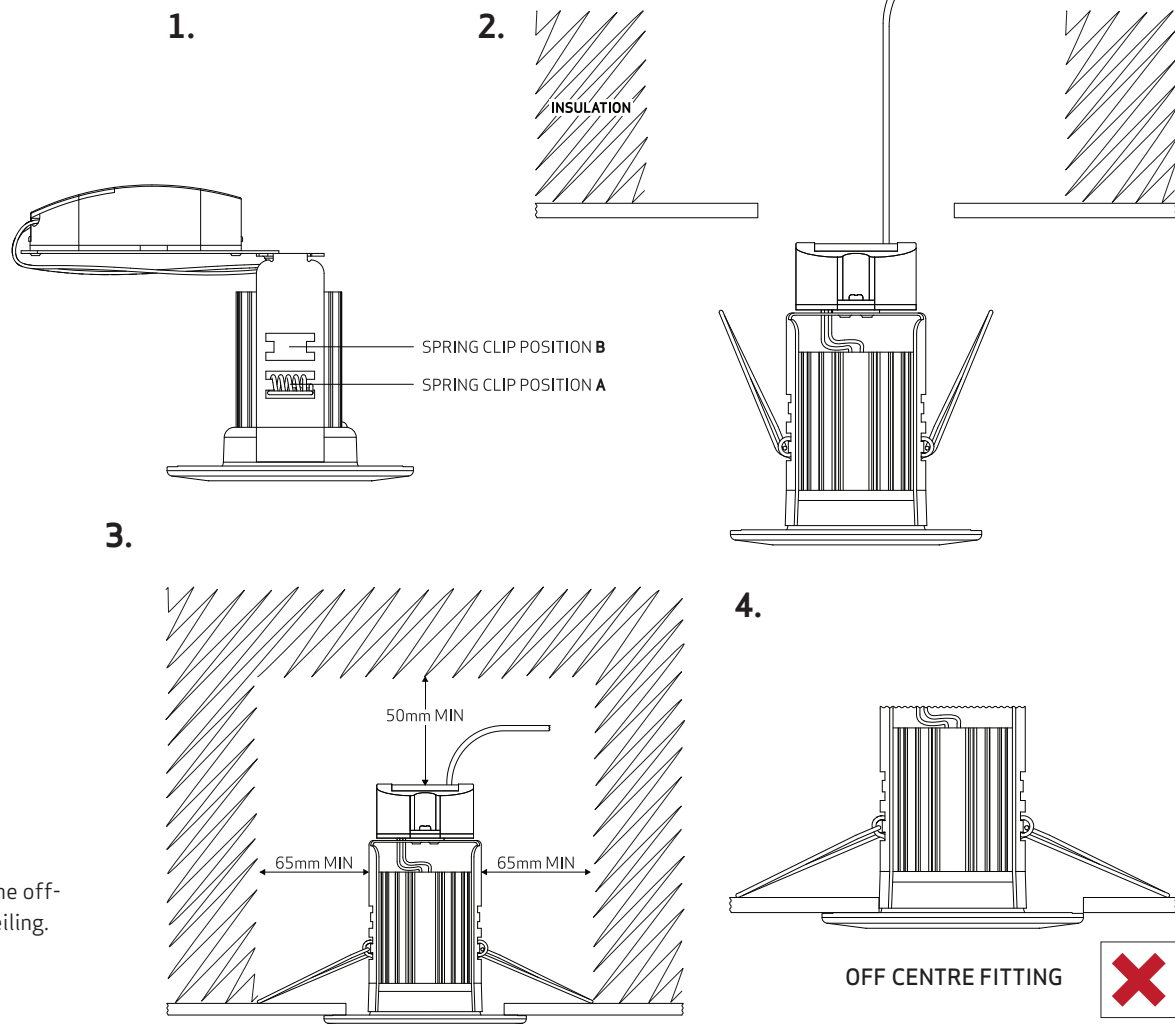
## PRODUCT FEATURES:

- Integrated LED driver for straight to mains wiring.
- Input power 7.9w
- 100-240v AC, 50/60Hz input for LED driver.
- Double insulated LED driver, no earth required.
- Suitable for 60 and 90 minute fire-rated ceilings.
- Fire resistance tested for load bearing elements, part 2, BS EN 1365-2:2000.
- Complies with fire safety, moisture protection, acoustic standard and energy conservation requirements.
- IP model FR01031 F NW is rated IP65 and is suitable for bathroom zones 1 and 2.

## INSTALLATION:

- These instructions cover both fixed and gimbed products.
- Ensure that the area in which the unit is fitted will have adequate free air circulation. Minimum air gap around and above unit as shown in diagram 3
- This unit must be wired by a qualified electrician or suitably competent person.
- 100-240v AC, 50/60Hz input for LED driver.
- Cut a suitable hole in the ceiling for each unit. (For hole sizes see chart below)  
Note: before cutting, ensure no positions are under joists, cables, pipes etc.
- For ceiling material thickness up to 25mm, the spring clips are fitted in position A, as shown in diagram 1. For thicknesses over 25mm and up to 32mm, fit the spring clips in position B.
- Disconnect mains supply prior to wiring.
- Connect the LED driver flying lead to the main supply using a suitable connector or junction box. The weight of the unit should be supported when making connections.
- Push the spring clips upwards, insert the unit through the hole, and release the clips to secure unit to the ceiling, as in diagrams 2 and 3.
- This unit must be fitted reasonably central to the hole, as shown in diagram 3. Extreme off-centre fitting (see diagram 4) could compromise the seal between the unit and the ceiling.

For illustration purposes, model FR 01011 F NW is shown in diagrams



Product	hole size (min)	Hole size (max)
FR 01011 F NW / FR 01031 F NW	60mm	70mm
FR 01021 F NW	100mm	110mm