

CROMPTON –FLUORESCENT BATTEN FLx18 Series (G13)

This manual contains important information about the FL118 & FL218 series Fluorescent Batten. All Crompton Lighting Products are designed & manufactured to comply with State and Commonwealth Government Regulations relevant to electrical safety standards and Electro-Magnetic Compatibility (EMC). These instructions form an integral part of this compliance to ensure your safety. Crompton lighting recommends safety first when installing/ using or maintaining electrical equipment. If you have any questions regarding the use or performance or this equipment please contact us on Ph: 1300 799 300; or Fax: 1300 789 300 or Email: info@crompton.com.au

01 **PRODUCT INFORMATION**

- 01.1 **Model:** FLx18 Series
- 01.2 **Description:** Linear Fluorescent Batten: comprised of a powder coated (white) steel batten, fitted with a HPF ferromagnetic control gear reeded acrylic diffuser; G13 thermoplastic lampholder/s, capacitor, starter associated wiring and terminal block. Terminal block has wire ways large enough to accommodate wiring for looping of the TPS supply.
- 01.3 **Variants:**
 FL118B – 1 x 18W – Bare- Product Code: 16767
 FL218B – 2 x 18W – Bare- Product Code: 16867
 FL118D – 1 x 18W - Diffused- Product Code: 16768
 FL218D – 2 x 18W – Diffused- Product Code: 16766

02 **SAFETY WARNINGS**

- 02.1 This product must be installed by a licensed electrician in accordance with latest version of AS/NZS: 3000.
- 02.2 Always read the instructions fully before installation & use; please retain for future reference.
- 02.3 Crompton Lighting recommends that this product be used on a circuit board protected by an Earth Leakage Circuit Breaker or Safety Switch.
- 02.4 Before attempting to insert/remove lamp/s, always ensure the circuit is not energised (switch to OFF) then ensure lamps are fully cooled.
- 02.5 Always use the light fitting on the correct power supply and do not exceed the maximum lamp wattage as per rating details (as over heating and damage may occur).
- 02.6 Lamps will produce some heat and may become hot, ensure the appliance is not placed closer than 0.6 metres to heat sensitive & flammable materials and allow suitable ventilation & air flow around the light fitting.
- 02.7 Do not cover with any material and install clear of curtains or drapes.
- 02.8 To prevent possibility of burns, wherever possible, install out of reach to prevent contact with skin.
- 02.9 Close supervision is required when used near children, infirm persons or animals.
- 02.10 Do not immerse any part of the light fitting in water or any other liquids.
- 02.11 Always ensure light fitting is fully assembled before connecting to the power supply.
- 02.12 Not suitable for use near flammable liquids, vapours, gases or in explosive environments.
- 02.13 Regularly inspect the light fitting for any damage. If found defective in any way immediately cease use and return the light fitting to the manufacturer or authorised service agent for repair or maintenance.
- 02.14 There are no user maintainable components in this fitting. Only the lamps & starters may be replaced.
- 02.15 Do not attempt to modify this fitting in any way from the condition 'as supplied'.
- 02.16 The FL118 & FL218 series are Class I items and require an effective earth.
- 02.17 Diffused battens cannot be joined or looped at end caps.

03 **PRECAUTIONS & LIMITATIONS**

- 03.1 **LOCALITY.** This Crompton FLx18 series fitting is suitable only for dry, rigid & permanent 'indoors' locations.
- 03.2 **POSITIONING.** The FLx18 series fitting can be positioned on ceilings and walls; the fluorescent lamp can be operated in any position without detriment to lumen output and longevity.

INSTALLATIONS THROUGH END CAPS USING CONDUIT
 FLx18 series fitting can not be wired using conduit into the end caps because using 14mm or 20mm hole will remove or severely damage the locating & locking spigot in the end caps. The function of this locating & locking spigot is to locate the end cap onto the end of the batten and provide a double detent that ensures the diffuser is retained in the correct position.

- 03.3 **COMPATIBLE ON SAME CIRCUIT.** Fluorescent lamps are low power discharge items; therefore this Crompton FLx18 series luminary can not be installed on a switched circuit that also have electronic converters wired in.
- 03.4 **DIMMING.** The Ferro-magnetic ballast in the FLx18 series fitting can not be dimmed.
- 03.5 **24/7 OPERATIONS.** The FLx18 series fitting is suitable for continuous operations i.e., 24 hours a day and 7 days a week.

04 **Selecting the Appropriate Lamp**

- 04.1 **Type:** T8 Linear fluorescent lamp with G13 base
- 04.2 **Angle & Wattage:** Universal, 18W Max per lampholder pair

05 **INSTALLATION PROCEDURE**

- 05.1 Ensure the power to the circuit being used is isolated and will stay isolated until the job is complete Lock out & Tag out.
- 05.2 Select the appropriate mounting position for your Crompton FLx18 series fitting -see also Para 03.1.
- 05.3 Remove the components from the display carton & ensure all packaging materials are fully removed before beginning installation.
- 05.4 Contents of the carton are: -
- 05.4.1 1 x FLx18 series fitting (complete with reeded diffuser for relevant models)
- 05.4.2 This instruction manual.
- 05.5 Route the supply such that there is 300mm of free TPS cable available at the intended position of the batten.

The supply wiring chosen for this installation is to be selected, installed and tested in accordance with AS/NZS3000-Wiring Rules.

- 05.6 Remove the reeded diffuser (for FL118D & FL218D Models only) by: -
- 05.6.1 Grasp both end caps and pull out 10-12mm
- 05.6.2 Grasp the diffuser and carefully pull it over the tube/s.
- 05.7 Remove the cover by: -
- 05.7.1 Undo and remove the single Philips head fastener on the cover.
- 05.7.2 Unclip the cover from the catch incorporated into the body at either end.
- 05.8 Using the body of the batten as a template, mark out the position of the fasteners for the FLx18 series fitting.
- 05.9 Ensure that no wires/conductors are crushed or damaged.
- 05.10 Fasten the batten to the ceiling with appropriate masonry fasteners.
- 05.11 Connect the supply wiring to the terminal block in the FLx18 series fitting: -
- 05.12 Connect the supply wiring to the terminal block as follows;
- 05.12.1 Brown (Active) is connected to the terminal marled 'A' or 'L'.
- 05.12.2 Blue (Neutral) is connected to the terminal marled 'N'; and

- 05.12.3 Green & Yellow is connected to the wire way marked with 'E' or \oplus symbol. This wire should be 10mm longer than the active and neutral conductors such that it would be the last to disengage should an undue force be applied
- 05.13 Refit the cover to the gear tray; ensuring the ends are retained by the clips incorporated into the lampholder support.
- 05.14 Secure the cover to the body with Philips head screw.
- 05.15 Install the 18W triphosphor tube/s
- 05.15.1 Slide the two pins on the lamp into the groove of the G13 lamp holder and rotate the lamp 90°
- 05.15.2 Wipe the lamp of finger marks and or dirt
- 05.16 Remove the Lock-Out Tag; Energise the circuit at the switchboard; turn the switch to 'ON'.
- 05.17 Always dispose of packaging in safe & an environmentally friendly manner.

06 RELAMPING

- 06.1 **Removal of the old lamp**
 - 06.1.1 De-energise the circuit at the wall switch; and allow the FLx18 series fitting sufficient time to cool.
 - 06.1.2 Remove diffuser for FL118D & FL218D Models: Grasp the end caps and apply pressure to pull them apart; a 'click' will be heard and each end cap will move out approx 10mm. The diffuser will become disengaged
 - 06.1.3 Grasp the lamp and rotate along the linear axis 90°
 - 06.1.4 At this point the two pins on the lamp cap are able to be slid out of contact from the lampholders; and discard the used lamp in a responsible manner
 - 06.1.5
- 06.2 **Replacement with new lamp**
 - 06.2.1 Ensure the circuit is de-energised
 - 06.2.2 Align the two pins on both ends of the lamp with the slots in the face of each lampholder
 - 06.2.3 Slide the two pins on the lamp into the groove of the G13 lampholders' and rotate the lamp 90°
 - 06.2.4 Check the lamp to ensure that there is no trace of finger marks or contamination.
 - 06.2.5 Refit the reeded diffuser for FL118D & FL218D Models; and
 - 06.2.6 Push the end caps over the ends of the diffuser to retain it in the correct position
 - 06.2.7 Switch ON.

07 CARE & CLEANING

- 07.1 Only replace lamps with the correct size and type as per the rating details: ensure bare hands do not contact the globe (the glass part of the lamp)
- 07.2 Do not use hydrocarbon based solvents or abrasive cleaning compounds on any part of the fitting
- 07.3 Do not insert any object or substance into the lampholder for cleaning purposes

08 REPLACEMENT PARTS & LAMPS

- 08.1 18W Max T8 linear fluorescent per lampholder pair
- 08.2 There are no user replaceable or repairable components on this FLx18 series luminary except for the lamps & starter/s.

09 FAULT FINDING

PROBLEM	LIKELY CAUSE	SUGGESTED REMEDY
lamp takes longer than 6 seconds to ignite	Lamp failed	Fit new lamp; always a good practice to change lamp and starter at same time.
Lamp ends glow but tube does not illuminate	Starter failed	Replace starter; always a good practice to change lamp and starter

		at same time.
One lamp will not illuminate when power is applied	Wire from ballast has disengaged from the screw less terminals in the ballast	Check security of wires
Both lamps will not illuminate	Check power to circuit	If power is available, ballast may need replacement

10 TECHNICAL INFORMATION

- 10.1 **Operating position:** on any horizontal & vertical surface (indoors only) but out of reach.
- 10.2 **Electrical Class:** I
- 10.3 **Electrical Safety:** Complies with: AS/NZS 3820
- 10.4 **EMC:** Level 2
- 10.5 **Complies with:** AS/NZS CISPR 15
- 10.6 **Supply:** 230-240V ~ 50Hz
- 10.7 **Ingress protection:** IP 20

11 WARRANTY STATEMENT

- 11.1 The benefits conferred herein are in addition to, and in no way shall be deemed to derogate; either expressly or by implication, any or all other rights and remedies in respect to the Crompton Lighting Product, which the consumer has under the Commonwealth Trade Practices Act or any other similar State or Territory Laws.
- 11.2 The warrantor is Crompton Lighting of Locked Bag 1000, Lidcombe NSW 1825. Telephone (02) 9353 9453.
- 11.3 This Crompton Lighting Product is guaranteed against faulty workmanship and materials for a period of one (1) year from the date of installation.
- 11.4 Crompton Lighting Pty Ltd reserves the right, at its discretion, to either repair free of parts and labour charges, replace or offer refund in respect to any article found to be faulty due to materials, parts or workmanship.
- 11.5 This warranty is expressly subject to the Crompton Lighting Product being installed, wired, tested, operated and used in accordance with the manufacturer's instructions.
- 11.6 All product related costs of a claim shall be met by Crompton Lighting, however the product that is the subject of the claim should be found to be in good working order all such costs shall be met by the claimant.
- 11.7 When making a claim the consumer shall forward this product to the point where it was purchased for refund along with complete details of the date and place of purchase, details of installing electrician (name, contact details and license number); description of load, and circumstances of malfunction; within 28 days of the fault occurring.
- 11.8 It is the retailer or wholesaler's responsibility to forward the Crompton Lighting Product for credit to the nearest office of Crompton Lighting with adequate particulars of the incident/malfunction. The product is to be returned securely packed and will not be accepted without the correct goods return authority (GRA) number being written on packing slip attached to the item and the claim.

12 DISCLAIMER

Crompton Lighting reserves the right to change specifications or designs described in these instructions without notice and without obligation. Please refer to our website www.crompton.com.au for product updates, if in doubt, please contact us before purchase and / for installation