

CROMPTON –Weatherproof Fluorescent Light (Electronic T8)

This manual contains important information about the product. 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 of this equipment please contact us on Ph: 1300 799 300; or Fax: 1300 789 300 or Email: info@crompton.com.au

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01 PRODUCT INFORMATION

- 01.1 **Description:** Polycarbonate white base with reeded clear PC diffuser latched on to the base with stainless steel clips. Gear tray is made of epoxy powder coated cold rolled steel and houses electronic ballast, thermoplastic G13 lamp holder/s, terminal block and complete with all internal wiring. The product comes complete with T8 18W 840 Lamp/s and stainless steel mounting clips. Fitted with a nylon cable entry gland.
- 01.2 **Model Variants and Product Codes :**
- | | | |
|--------|-----------------------|--------------------|
| 01.2.1 | FDE118 – Single 18W – | Product Code 26121 |
| 01.2.2 | FDE218 – Twin 18W – | Product Code 26122 |
| 01.2.3 | FDE136 – Single 36W – | Product Code 26123 |
| 01.2.4 | FDE236 – Twin 36W – | Product Code 26015 |

02 SAFETY WARNINGS

- 02.1 This product must be installed by a licensed electrician in accordance with current version of Australian/New Zealand Wiring Rules 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 in the illuminated surface/object and may become hot. Ensure that the Bayview is installed to allow a minimum separation of 0.6 metre to any illuminated surface/object to prevent heat sensitive & flammable materials attaining excessive temperature. Allow suitable ventilation & air flow around the light fitting.
- 02.7 Do not cover with any material; Install clear of curtains or drapes.
- 02.8 Install out of normal reach to prevent possibility of burns and 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 replace.
- 02.14 There are no user replaceable or repairable components in this Bayview. Only the lamps may be replaced.
- 02.15 Do not attempt to modify this Bayview in any way from the condition 'as supplied'.
- 02.16 This is Class I item and must be effectively earthed.

03 PRECAUTIONS & LIMITATIONS

- 03.1 **LOCALITY:** This Crompton FDE236 Bayview is suitable for Indoor and Outdoor locations; it is rated (AS 60529:2004) at IP65.


- 03.2 **POSITIONING:** Horizontal
- 03.3 **COMPATIBLE ON SAME CIRCUIT:** Fluorescent lamps are low power discharge lamps; therefore this Crompton FDE236 Bayview can not be installed on a switched circuit that also have electronic converters, dimmers, and transformers etc., wired in.
- 03.4 **DIMMING:** The ballast in the FDE236 can not be dimmed.
- 03.5 **24/7 OPERATIONS.** The FDE236 is suitable for continuous operations i.e., 24 hours a day and 7 days a week.

04 SELECTING THE APPROPRIATE LAMP

- 04.1 **Type:** Triphosphor T8 linear fluorescent lamps with G13 base
- 04.2 **Wattage:**
- | | |
|--------|------------------|
| 04.2.1 | FDE118 – 1 x 18W |
| 04.2.2 | FDE218 – 2 x 18W |
| 04.2.3 | FDE136 – 1 x 36W |
| 04.2.4 | FDE236 – 2 x 36W |
- 04.3 There is no user Replaceable or repairable components on this FDE236 except for the lamps.

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 FDE236-Bayview-see also Para 03.
- 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 FDE(Model) fitting complete with diffuser |
| 05.4.2 | Lamp/s of appropriate wattage (18W or 36W depending upon the model). |
| 05.4.3 | Stainless Steel Clips (Latches) to lock the diffuser with base |
| 05.4.4 | Stainless steel mounting clamps |
| 05.4.5 | Nylon cable gland |
| 05.4.6 | Mounting kit with rawl plugs, PH screws and washers |
| 05.4.7 | This Installation Instruction & Owner Manual. |
- 05.5 Separate the polycarbonate diffuser from the frame by unlocking latches & place aside.
- 05.6 Remove the lamp/s by turning the lamp/s Anticlockwise.
- 05.7 Separate gear tray from the body by unlocking two plastic clamps in gear tray slots at each side.
- 05.8 Separate all the contents from poly bag & lay them out.
- 05.9 Select an appropriate mounting position for FDE236.
- 05.10 Route the supply cable to the location through conduit; where the fitting is intended to be mounted.
- 05.11 **Note:** Select the three core wire of diameter of Minimum 8mm diameter to 12mm Max. Please ensure that supply wire chosen should be in accordance with AS/NZS-3000.
- 05.12 There are two ways to fasten the base to the ceiling.
- 05.12.1 **Flush surface Mounting:** Steel clamp base can be fastened into the ceiling at desired location through appropriate fasteners & base will be locked where plastic casing is held by clamp base.
- 05.12.2 **Suspended Mounting:** The base can be mounted on suspended chain (not supplied). One way of installation on suspended ceiling is to prepare the suspension chain on ceiling with adequate fasteners to hold the fitting

- through two triangular hooks passing through the clamp base & locked in holes at the base.
- 05.13 **Note:** The side of the gear tray with mounted terminal block and ballast is the backside that is concealed (not accessible when fully installed) during lamp replacement.
- 05.14 Install the cable gland in the knock out provided.
- 05.15 Route the supply wiring through the nylon cable gland to the terminal block:
- 05.16 Connect the supply wiring to the terminals as follows
- 05.16.1 Supply Active to the terminal marked 'L' or 'A' of the terminal block
- 05.16.2 Supply Neutral to the terminal marked 'N' of the terminal block
- 05.16.3 Supply Earth to the terminal marked 'E' or  of the terminal block. Make sure that Earth wire is 10mm longer than A & N wires.
- 05.17 Secure the gear tray to the base by locating slots on to the two plastic clamps located at the interior of the base. Push the gear tray firmly & clamps will lock the gear tray.
- 05.18 Install single/both Fluorescent lamps by locating their end pins into respective lamp holders & lock them by turning clockwise.
- 05.19 Make sure diffuser sits flush clear in the groove of the base with sealing gasket.
- 05.20 Install the latches into the base:
- 05.20.1 Locate the respective position on the base with two slots.
- 05.20.2 Slide the U type pins of the latch into the slots
- 05.20.3 Follow the procedure for others & leave then dangling downwards.
- 05.21 Secure the Polycarbonate diffuser to the base with the help of stainless steel clips (Latches).
- 05.21.1 Slide the other end of dangling latch from the base to the respective position in diffuser.
- 05.21.2 Swing it back & push the latch to lock & secure the diffuser.
- 05.21.3 Follow the same procedure for other latches. Ensure all the latches are locked.
- 05.22 Remove the Lock-Out Tag; Energise the circuit at the switchboard; turn the switch to 'ON'.
- 05.23 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 lamps and fitting sufficient time to cool.
- 06.1.2 Remove the diffuser by unlocking the latches which disengages the diffuser.
- 06.1.3 Place the diffuser safely.

- 06.1.4 Remove the failed lamp/s by turning the lamp Anticlockwise.
- 06.1.5 Discard the used lamp in a responsible manner
- 06.2 **Replacement with new lamp**
- 06.2.1 Ensure the circuit is de-energised (Switched OFF)
- 06.2.2 Align the two pins on both ends of the lamp with the slots in the face of each lamp holder
- 06.2.3 Slide the two pins on the lamp into the groove of the lamp holder and rotate the lamp 90°
- 06.2.4 Wipe the lamp of finger marks and or dirt.
- 06.2.5 Secure the diffuser by engaging clips with base; follow Para 05.18.
- 06.2.6 Switch ON.

07 CARE & CLEANING

- 07.1 Only replace lamps with the correct size and type as per the rating details: Always wipe the lamp of finger marks, contamination, and/or dirt after replacement.
- 07.2 Do not use hydrocarbon based solvents or abrasive cleaning compounds on any part of the FDE236.
- 07.3 Do not insert any object or substance into the lamp holder for cleaning purposes

08 TECHNICAL INFORMATION

- 08.1 **Operating position:** Horizontal (Outdoors/ Indoors) but out of reach.
- 08.2 **Electrical Class:** I
- 08.3 **Electrical Safety:** Complies with: AS/NZS 60598.2.1
- 08.4 **EMC:** Level 2
- 08.5 **Complies with:** AS/NZS CISPR 15
- 08.6 **Supply:** 230-240V ~ 50Hz
- 08.7 **Ingress protection:** IP65
- 08.8 **Dimensions (in mm) and approx weight:**
- 08.8.1 FDE118 – 1 x 18W – 670 x 100 x 105 – 2.0Kg
- 08.8.2 FDE218 – 2 x 18W – 670 x 160 x 105 – 2.4Kg
- 08.8.3 FDE136 – 1 x 36W – 1270 x 100 x 105 – 2.4Kg
- 08.8.4 FDE236 – 2 x 36W – 1270 x 160 x 105 – 2.9Kg

09 DISCLAIMER

- 09.1 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
- 09.2 This document subject to E. & O. E.