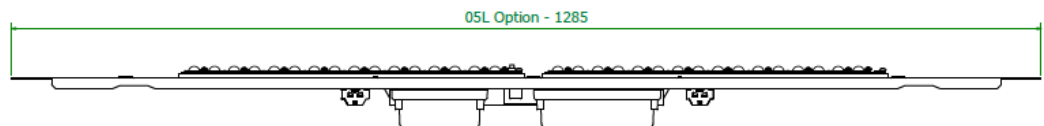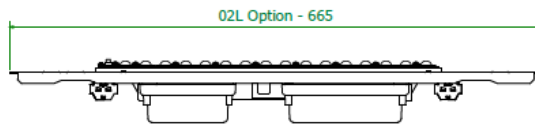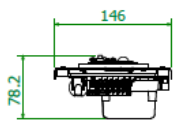**Chalmit**

INSTALLATION INSTRUCTIONS

Protecta IV - LED Retrofit Kit
ATEX, IECEx, INMETRO & TCRU

Important: Please read the following instructions carefully prior to installation or maintenance of this equipment.

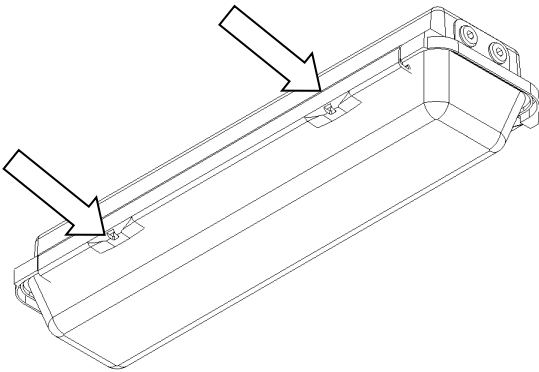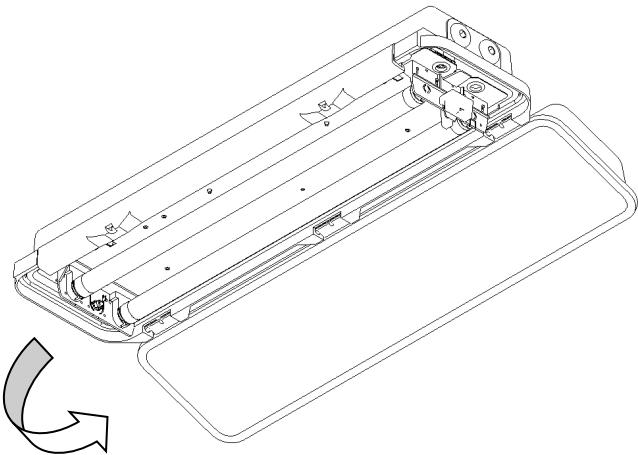

1.0   Introduction – Protecta LED Retrofit kit

This installation leaflet shows the steps required to upgrade an existing Protecta III fluorescent fitting to an LED alternative and should be used alongside the Protecta IV LED IOM supplied. The retrofit gear tray should only be fitted and operated as outlined and must only be used inside our Ex certified Protecta body. Failure to do so will invalidate the product certification.

All work must be carried out by competent/ qualified personnel along with rigorous inspection of the existing enclosure prior to retrofit. All work should be documented and kept on file detailing dates, old and new serial numbers and persons responsible.
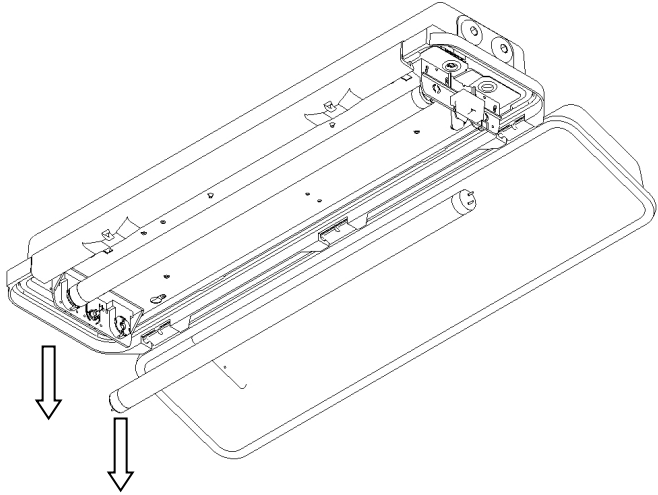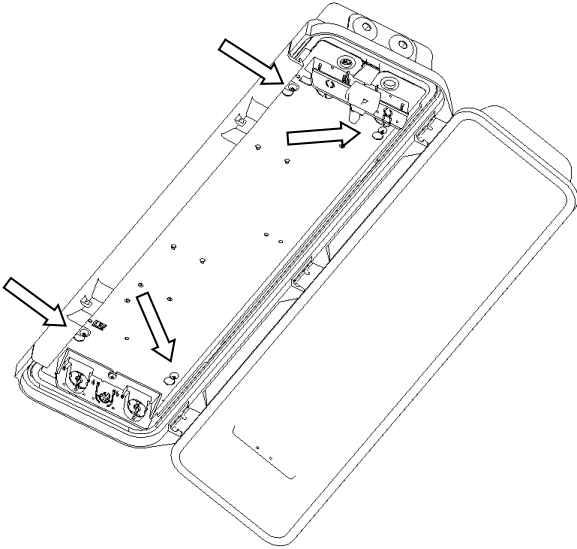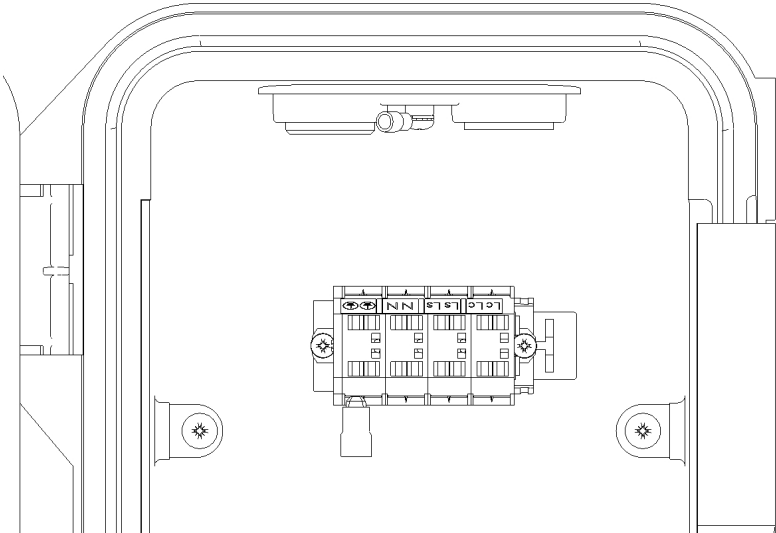
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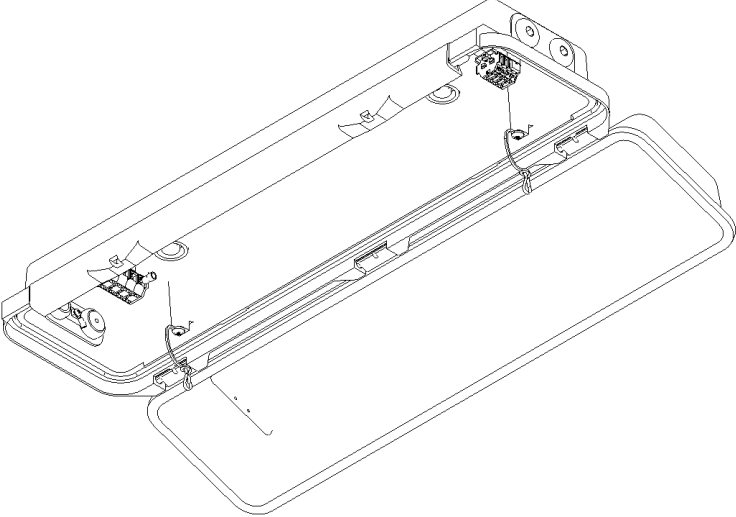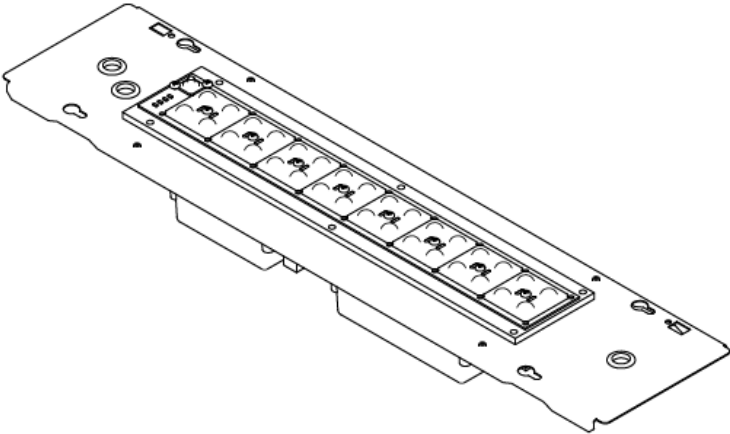
2.0 Tools Required
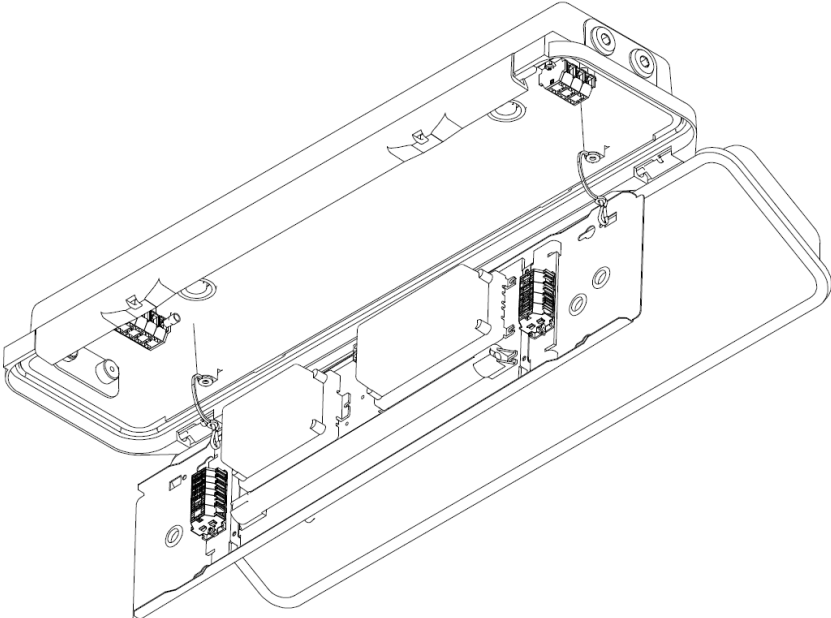
The following tools are required to complete the following work:
- 3mm and 5mm Flat Blade Screwdriver
- PZ2 Pozidrive Screwdriver
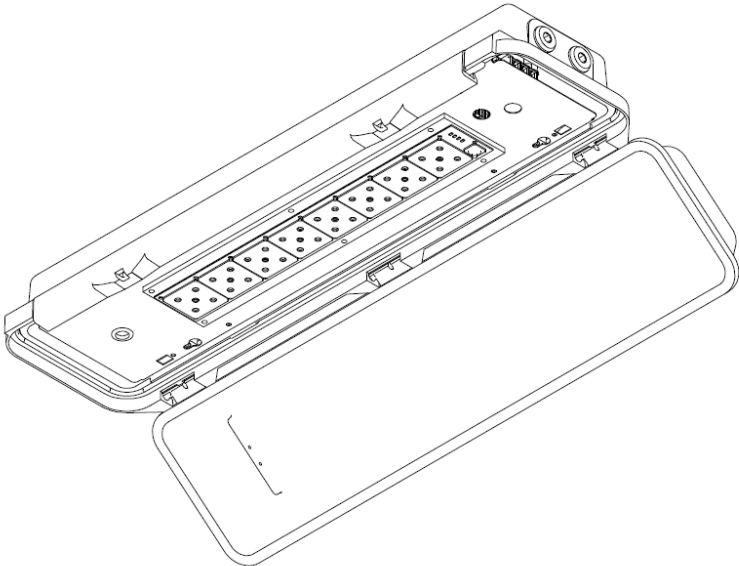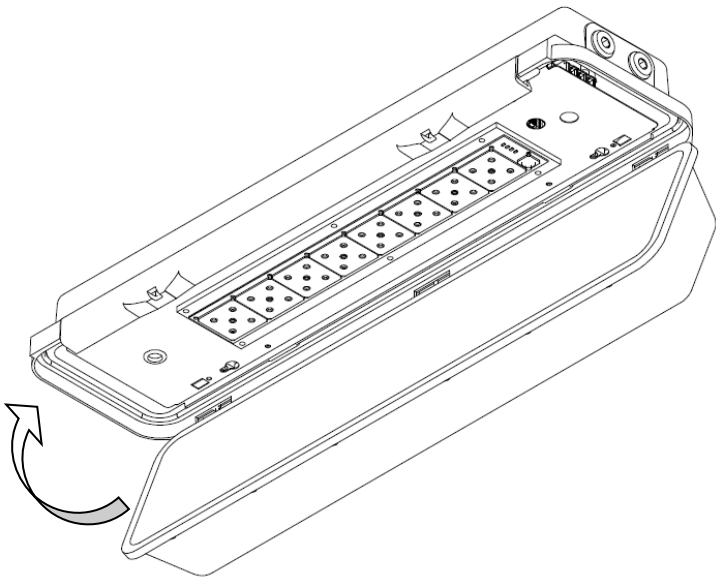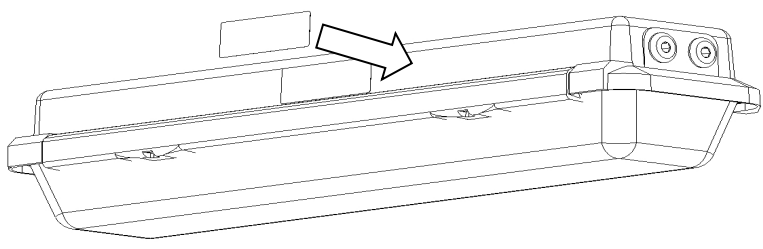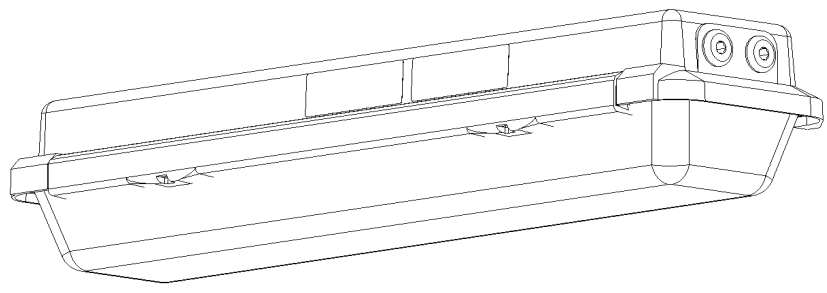
3.0 Installation Instructions

1.		**TOOL: 5mm FLAT BLADE** OPEN CLAMP BAR USING SCREW DRIVER AT POINTS SHOWN.
2.		OPEN DIFFUSER (CAN BE REMOVED TO IMPROVE ACCESS)

3.		REMOVE LAMPS
4.		**TOOL: PZ2 SCREWDRIVER** LOOSEN 4-OFF SCREWS SECURING GEAR TRAY. SLIDE GEAR TRAY IN KEYHOLE SLOTS AND LOWER ONTO HANGING STRAPS.
5.		**TOOL: 3mm FLAT BLADE** DISCONNECT GEAR TRAY WIRES FROM MAINS TERMINAL BLOCK IN BODY AND REMOVE GEAR TRAY FROM HANGING STRAPS.

6.		**TOOL: PZ2 SCREWDRIVER** REPLACE EXISTING HANGING STRAPS WITH REPLACEMENTS SUPPLIED. **INSPECTION: ENSURE THAT ALL COMPONENTS, SEALS AND ENTRIES ARE INSPECTED THOROUGHLY FOR SIGNS OF DAMAGE, DEGREDATION, LEAKAGE ETC BEFORE CONTINUING. THIS IS ESSENTIAL FOR SAFE USE. ANY ISSUES NOTED SHOULD BE REPORTED PRIOR TO POWER BEING RESTORED TO THE FITTING**.
7.		COLLECT RETROFIT GEARTRAY.

8.		**TOOL: 3mm FLAT BLADE** ATTACH GEAR TRAY TO HANGING STRAPS AND CONNECT DRIVER WIRES TO TERMINAL BLOCK IN BODY. **REFERENCE WIRING DIAGRAM TO ENSURE CORRECT CONNECTIONS ARE MADE. EMERGENCY VERSIONS ARE SUPPLIED WITH THE BATTERY DISCONNECTED.**
9.		**TOOL: PZ2 SCREWDRIVER** LOCATE GEAR TRAY USING KEYHOLE SLOTS AND TIGHTEN 4-OFF SCREWS FULLY.

10.		CLOSE DIFFUSER AND CLAMP BAR
11.		ADDITIONAL NAMEPLATE LABEL CAN BE ADHERED TO FITTING ONCE ALL WORK IS COMPLETE AND APPROVED. USE A DAMP CLOTH TO CLEAN AREA BEFORE FITTING LABEL. **ORIGINAL LABEL MUST ALSO BE LEFT INTACT AND VISIBLE FOR TRACEABILITY REASONS.**
12.		**FINISHED PRODUCT:** POWER CAN BE RESTORED.

To comply with the Waste Electrical and Electronic Equipment directive 2012/19/EU the apparatus cannot be classified as commercial waste and as such must be disposed of or recycled in such a manner as to reduce the environmental impact.

Chalmit Lighting is a leading supplier of Hazardous Area lighting products

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For technical support, please contact: techsupport@chalmit.com

Note: Chalmit Lighting reserves the right to amend characteristics of our products and all data is for guidance only.