



PROTECTA III

RETROFIT LED GEARTRAY

The **Protecta III LED Geartray** is a unique solution to upgrade and utilise the very latest LED technology in existing Protecta III fluorescents. Complete with LED strips and electronic driver, the geartray can be easily retro-fitted into the Protecta III GRP enclosure in a matter of minutes.

The robust enclosure is not compromised as it remains unchanged and all existing cabling and glanding can remain in place offering significant installation cost savings when upgrading to LED



Standard Specification

Protecta Ex e LED Linear Fluorescent Replacement

Type of Protection*	Ex e mb q (Increased Safety, Encapsulation, Powder filling) Ex tb (Dust Protected Enclosure)
ATEX Classification*	Group II Category 2 GD
Area Classification*	Zone 1 and 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate*	EU Type Examination Certificate Baseefa04ATEX0220 IECEX Certificate of Conformity IECEX BAS09.0017
Coding	Ex e mb op is q II C T4 Gb Ex mb op is tb IIIC T95°C Db IP6X
Geartray	Galvanised Steel
Installation	Fix to existing GRP body - refer to IOM
Control Gear	Electronic Driver
Colour Temperature (CCT)	6000K (Cool Daylight)
Colour Rendering Index (Ra)	>80
Maintenance	Components accessible on geartray
System Life	120,000hrs @ 25°C [excluding battery]
Battery	Internal Ni-Cd (6V) [Emergency version only]
Emergency Duration	90 mins (30% output)
Ingress Protection*	IP66/67 to EN 60529
Surge Protection	4kV
Electrical Supply	220-254V AC, 50/60Hz

* Only applicable once installed in Protecta III GRP enclosure

Features

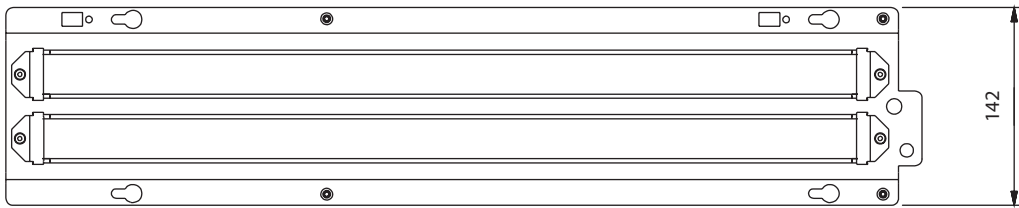
- ◆ Highly **Energy Efficient**
- ◆ **120,000 maintenance free hours** at 25°C (L70)
- ◆ **Simple upgrade** of existing fluorescents

Std. Cat No.	Delivered Output	Power Consumption	Ambient °C	Weight
PRRE/02L/LE	2178 lm	32W	-40 to +55	5.0kg
PRRE/05L/LE	4607 lm	61W	-40 to +55	6.0kg
PRRE/02L/LE/EM	2178 lm	34W	-25 to +55	6.0kg
PRRE/05L/LE/EM	4607 lm	64W	-25 to +55	7.5kg

Options - Suffix to Catalogue No.

/120	Specific voltage (110-130V AC)	/4K	4000K (Neutral White) LED Strips
/3H	3 hour battery duration (15% output)	/LT	Low temperature version (Emergency ambient becomes -40°C to +55°C)**
/OD	Opal diffuser cartridge (reduces maximum ambient to +45°C)	/LTT	Low temperature version with battery temperature regulator (Emergency ambient becomes -40°C to +45°C)

** /LT is also optional on standard model to minimise ice build-up.



DIM	02L	05L
A	657	1261

