

## 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)
ATEX Classification*	Group II Category 2 GD
Area Classification*	Zone 1 and Zone 21 areas to EN 60079-10 and IEC 50281-3 with installation to EN 60079-14 and IEC 50281-1-2
Certificate*	EC Type Examination Certificate Baseefa04ATEX0220 IECEx Certificate of Conformity IECEx BAS09.0017
Coding*	Ex e mb q IIC T4 Gb Ex tb IIC T95°C Db IP6X
Geartray	Aluminium
Installation	Fix to existing GRP body - refer to IOM
Control Gear	Electronic Driver
Colour Temperature (CCT)	6000K (Cool Daylight)
Maintenance	Components accessible on geartray
Battery	Internal Ni-Cd (6V) (Emergency 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

International Approvals



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## Features

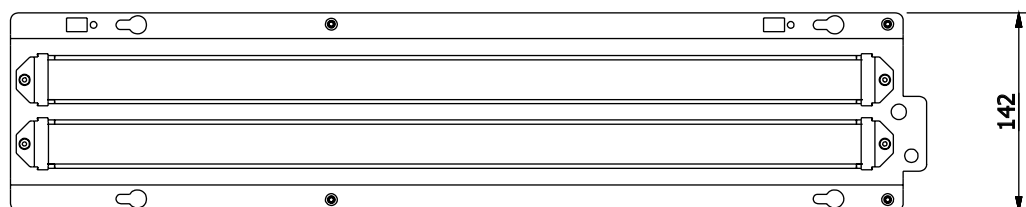
- ◆ Highly **Energy Efficient**
- ◆ **120,000** maintenance free hours @ 25°C (L70)
- ◆ **Simple upgrade** of existing fluorescents

Std. Cat No.	Delivered Output	Power Consumption	Ambient °C	Weight
<b>PRRE/02L/LE</b>	2178 lm	30W	-40 to +55	5.0kg
<b>PRRE/05L/LE</b>	4607 lm	60W	-40 to +55	6.0kg
<b>PRRE/02L/LE/EM</b>	2178 lm	32W	-25 to +55	6.0kg
<b>PRRE/05L/LE/EM</b>	4607 lm	64W	-25 to +55	7.5kg

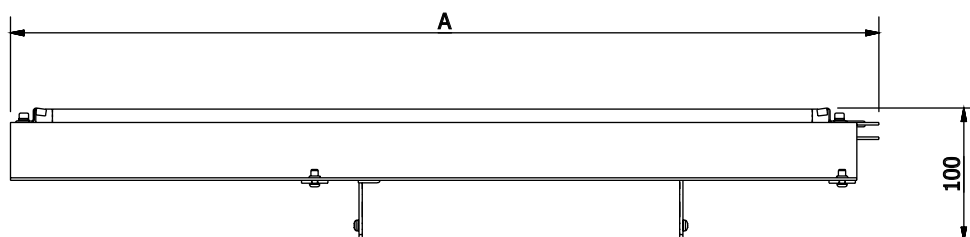
## Options - Suffix to Catalogue No.

<b>/120</b>	Specific voltage (110-130V)	<b>/LT</b>	Low temperature to -40°C (Emergency) **
<b>/3H</b>	3 hour battery duration (15% output)	<b>/4K</b>	4000K (Neutral White) LED Strips

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



	02L	05L
A	657	1261



Product design and specifications are subject to change without notice. Please check the Chalmrit website for latest specifications.  
[www.chalmrit.com](http://www.chalmrit.com)



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