

ZONE 1 ZONE 21

# PROTECTA III



The **Protecta III** LED linear delivers to the Industry unparalleled performance and photometry bringing forward all the recognised benefits of the Protecta range; a proven robust enclosure, excellent IP and low maintenance features which are key to the oil and gas industry.

Expected useful life to 70% of the initial lumens (L70) is a market leading 120,000 hours at 25°C. With fully replaceable LED strips and driver we deliver a unique product with effective long term maintenance capability.

## Mounting Options

- Ceiling
- Wall
- Suspended
- Pole

## Standard Specification

Protecta Ex e LED Linear

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 IIIC T95°C Db IP6X
Enclosure	GRP body with polycarbonate cover
Geartray	Aluminium
Entry	4 x M20 cable entries - 2 at each end
Termination	3 core 4mm <sup>2</sup> max conductor with looping and 16A rating through wiring
Installation	2x M8 tapped inserts located on the rear of the body
Control Gear	Electronic Driver
Colour Temperature (CCT)	6000K (Cool Daylight)
Maintenance	Quick release diffuser clamp and hinged cover
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



## Features

- ◆ Highly **Energy Efficient**
- ◆ Full length **easy access** diffuser clamp
- ◆ **Screwless** mains terminals
- ◆ **120,000** maintenance free hours at 25°C (L70)
- ◆ **DTS-01** deluge tested
- ◆ **Retrofit** geartray available



**LED SOLUTIONS**

For Harsh & Hazardous Locations



www.chalmit.com



Harsh & Hazardous

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



MADE IN BRITAIN

Std. Cat No.	Delivered Output	Power Consumption	Ambient °C	Weight
PRGE/02L/LE	2178 lm	30W	-40 to +55	7.9kg
PRGE/05L/LE	4607 lm	60W	-40 to +55	11.5kg
PRGE/02L/LE/EM	2178 lm	32W	-25 to +55	8.9kg
PRGE/05L/LE/EM	4607 lm	64W	-25 to +55	13.0kg

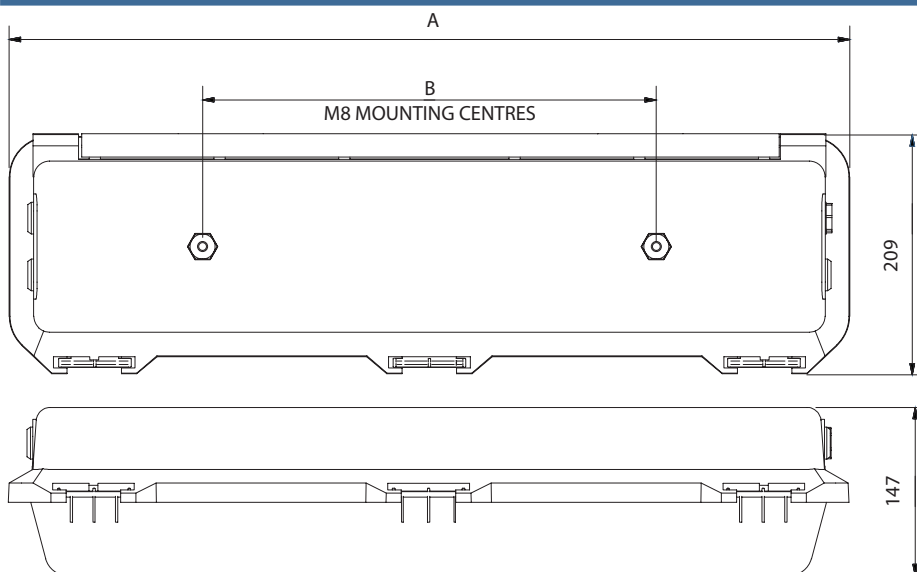
Note: Installed Protecta III fluorescents can be upgraded to LED by ordering Retrofit Geartray PRRE (see PRRE data sheet)

Options - Suffix to Catalogue No.			
/M25	M25 cable entries	/LT	Low temperature to -40°C **
/LBE	Looping both sides	/SC	Screwed connection terminal block (up to 6mm <sup>2</sup> conductors)
/EL	Extra live termination facility (to match emergency circuit)	/3H	3 hour battery duration (15% output)
/120	Specific voltage (110-130V)	/SB	Stainless steel mounting bush
/GIS	Geartray isolation switch (Gas coding becomes - Ex d e mb q IIC)	/4K	4000K (Neutral White) LED Strips

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

### Accessories Accessories should be ordered separately

	Order Code
Pole mounting bracket assembly (38/42 diameter poles)	SPOL4-100001
Pole mounting bracket assembly (48/52 diameter poles)	SPOL4-100002
Pole mounting bracket assembly (58/62 diameter poles)	SPOL4-100003
Hook type ceiling bracket assembly	SPRO4-0005
Flush mounted wall bracket assembly	SPRO4-0006
Ceiling bracket assembly	SPRO4-0002
Standard 2ft wall mounting outreach bracket (use with SPOL4-100001)	NPRO4-0008
Standard 4ft wall mounting outreach bracket (use with SPOL4-100001)	NPRO4-0012
Eyebolt mounting assembly	SPRO5-0005



DIM	02L	05L
DIM A	742	1352
DIM B	400	700

Chalmite PO BOX 5575 Glasgow G52 9AP  
 Tel: +44(0) 141 882 5555 Fax: +44(0) 141 883 3704 Email: [info@chalmite.com](mailto:info@chalmite.com)  
[www.chalmite.com](http://www.chalmite.com)

**LED SOLUTIONS**  
 For Harsh & Hazardous Locations



Harsh & Hazardous