

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 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
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 ² max conductor with looping and 16A rating through wiring (4 core on Emergency)
Installation	2 x M8 moulded-in stainless steel bushes 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

International Approvals



Chalmit®

LED SOLUTIONS

For Harsh & Hazardous Locations



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

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Harsh & Hazardous

Std. Cat No.	Delivered Output	Power Consumption	TClass	T°C (Dust)	Ambient °C	Weight
PRGE/02L/LE	2178 lm	30W	T4	95	-40 to +55	7.9kg
PRGE/05L/LE	4607 lm	60W	T4	95	-40 to +55	11.5kg
PRGE/02L/LE/EM	2178 lm	32W	T4	95	-25 to +55	8.9kg
PRGE/05L/LE/EM	4607 lm	64W	T4	95	-25 to +55	13.0kg

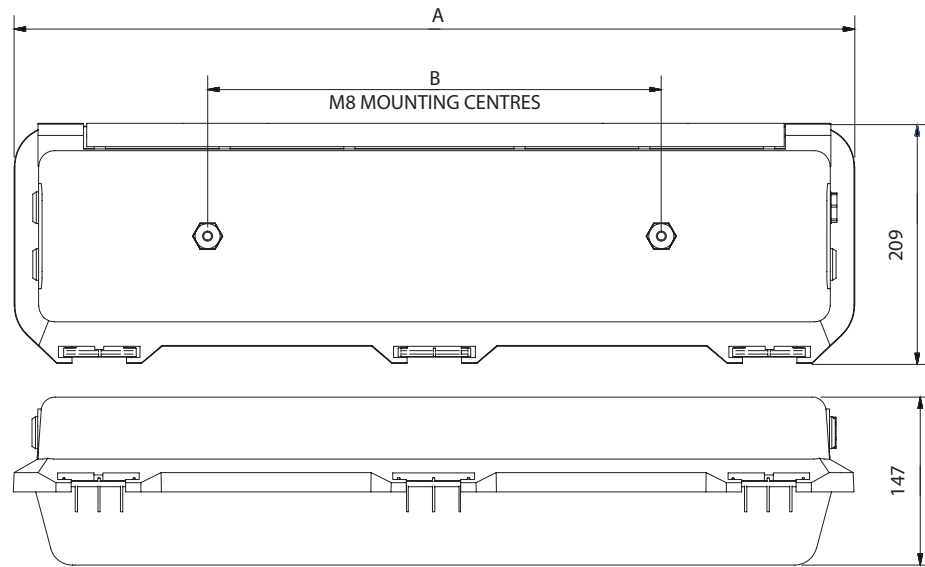
Note: Installed Protecta III fluorescents can be upgraded to LED by ordering Retrofit Geartray PRRE (see PRRE data sheet)

Options - Suffix to Catalogue No.			
/M25	M25 cable entries	/3H	3 hour battery duration (15% output)
/LBE	Looping both sides	/4K	4000K (Neutral White) LED Strips
/EL	Extra live termination facility (to match emergency circuit)	/SC	Screwed connection terminal block (up to 6mm ² conductors)
/120	Specific voltage (110-130V)	/LT	Low temperature version (Emergency ambient becomes -40°C to +55°C)**
/GIS	Geartray isolation switch (Gas coding becomes - Ex d e mb q IIC)	/LTT	Low temperature version with battery temperature regulator (Emergency ambient becomes -40°C to +45°C)
/OD	Opaque polycarbonate diffuser	/BP	Brass plugs
		/SE	Spigot entry (standard model only)

** /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

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Product design and specifications are subject to change without notice. Please check the Chalmit website for latest specifications.
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MADE IN BRITAIN



LED SOLUTIONS
 For Harsh & Hazardous Locations



Harsh & Hazardous