

## Mounting Options

- Ceiling
- Wall
- Suspended
- Pole

The **Protecta III** LED linear delivers to the Industry unparalleled performance and photometric's 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 and with fully replaceable LED strips and driver we deliver a unique product with effective long term maintenance capability.

## 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

International Approvals



## 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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**LED SOLUTIONS**

For Harsh & Hazardous Locations



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



MADE IN  
BRITAIN

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

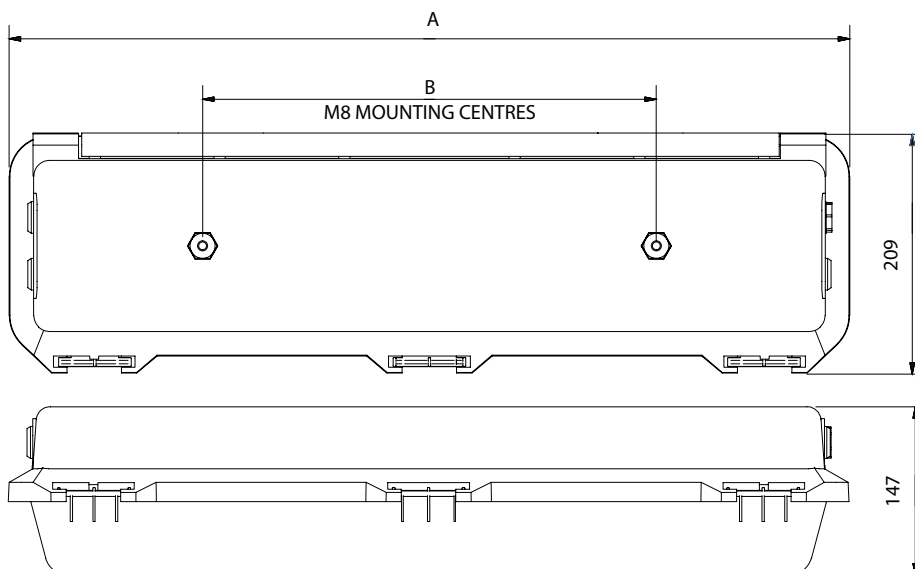
Options - Suffix to Catalogue No.			
<b>/M25</b>	M25 cable entries	<b>/LT</b>	Low temperature to -40°C **
<b>/LBE</b>	Looping both sides	<b>/SC</b>	Screwed connection terminal block (up to 6mm <sup>2</sup> conductors)
<b>/EL</b>	Extra live termination facility (to match emergency circuit)	<b>/3H</b>	3 hour battery duration (15% output)
<b>/120</b>	Specific voltage (110-130V)	<b>/SB</b>	Stainless steel mounting bush
		<b>/4K</b>	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)	<b>SPOL4-100001</b>
Pole mounting bracket assembly (48/52 diameter poles)	<b>SPOL4-100002</b>
Pole mounting bracket assembly (58/62 diameter poles)	<b>SPOL4-100003</b>
Hook type ceiling bracket assembly	<b>SPRO4-0005</b>
Flush mounted wall bracket assembly	<b>SPRO4-0006</b>
Ceiling bracket assembly	<b>SPRO4-0002</b>
Standard 2ft wall mounting outreach bracket (use with SPOL4-100001)	<b>NPRO4-0008</b>
Standard 4ft wall mounting outreach bracket (use with SPOL4-100001)	<b>NPRO4-0012</b>
Eyebolt mounting assembly	<b>SPRO5-0005</b>



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

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