

# PROTECTA IV

Ex db eb LED Linear



The **Protecta IV** LED linear delivers next generation LED efficiency, performance and photometry whilst maintaining an enclosure which brings all the recognised benefits of the Protecta range; a proven robust enclosure, excellent IP and low maintenance features which are key accross many different industries.

Expected useful life to 70% of the initial lumens (L70) is an impressive >200,000 hours at 25°C. With fully replaceable LED strips and driver we deliver a unique product with effective long term maintenance capability.



International Approvals

## Mounting Options

Ceiling. Wall. Suspended. Pole.

## Standard Specification

Ex db eb LED Linear

Type of Protection	Ex db eb (Flameproof, Increased Safety) 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
Certificate	EU Type Examination Certificate - CML 23ATEX1426X IECEX Certificate of Conformity - IECEx CML 23.0140X UK Type Examination Certificate - CML 23UKEX1427X
Coding	Ex db eb IIC T5 Gb Ex tb IIIC T85°C Db IP6X
Enclosure	GRP body with polycarbonate cover
Geartray	Galvanised Steel
Entry	4 x M20 cable entries - 2 at each end, C/W 3x Ex plastic plugs and 1 x travel plug
Termination	3 core 4mm <sup>2</sup> max conductor with looping and 16A rating through wiring [4 core on Emergency]
Installation	2 x M8 tapped Stainless steel moulded inserts located on the rear of the body
Control Gear	Electronic Driver
Colour Temperature (CCT)	5000K (Cool White)
Colour Rendering Index (Ra)	>80
Maintenance	Quick release diffuser clamp and hinged cover
LED Lifetime @ 25°C Ambient	L70 > 200,000hrs
System Life	120,000hrs @ 25°C , 90,000hrs @ 60°C , [excluding battery]
Battery	Internal Ni-Mh (6V) [Emergency version only]
Emergency Duration	90 mins (02L = 50% output; 05L = 25% output, 07L = 20% output). ASL/ASW versions - 3hours only]
Impact Protection	IK10
Ingress Protection	IP66/67 to EN 60529
Surge Protection	4kV
Electrical Supply	110-277V AC, 50/60Hz 127-250V DC

## Features

- Highly **Energy Efficient** >149lm/W
- Battery management** and automatic self test
- Multiple beam** distributions available
- Front access cover** with screwless mains terminals for easy termination
- >90,000 maintenance free hours** at 60°C

Product design and specifications are subject to change without notice. Please check the Chalmite website for latest specifications.



Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
PR4B/02L/LE	2616 lm	18W	T5	100	-40 to +60	7.1kg
PR4B/05L/LE/2FT	5110 lm	35W	T5	100	-40 to +60	7.1kg
PR4B/05L/LE	5245 lm	35W	T5	100	-40 to +60	8.2kg
PR4B/07L/LE	7102 lm	53W	T5	100	-40 to +60	8.2kg
PR4B/02L/LE/EM	2616 lm	20W	T5	100	-25 to +60	7.6kg
PR4B/05L/LE/EM/2FT	5110 lm	37W	T5	100	-25 to +60	7.6kg
PR4B/05L/LE/EM	5245 lm	37W	T5	100	-25 to +60	8.7kg
PR4B/07L/LE/EM	7102 lm	55W	T5	100	-25 to +60	8.7kg

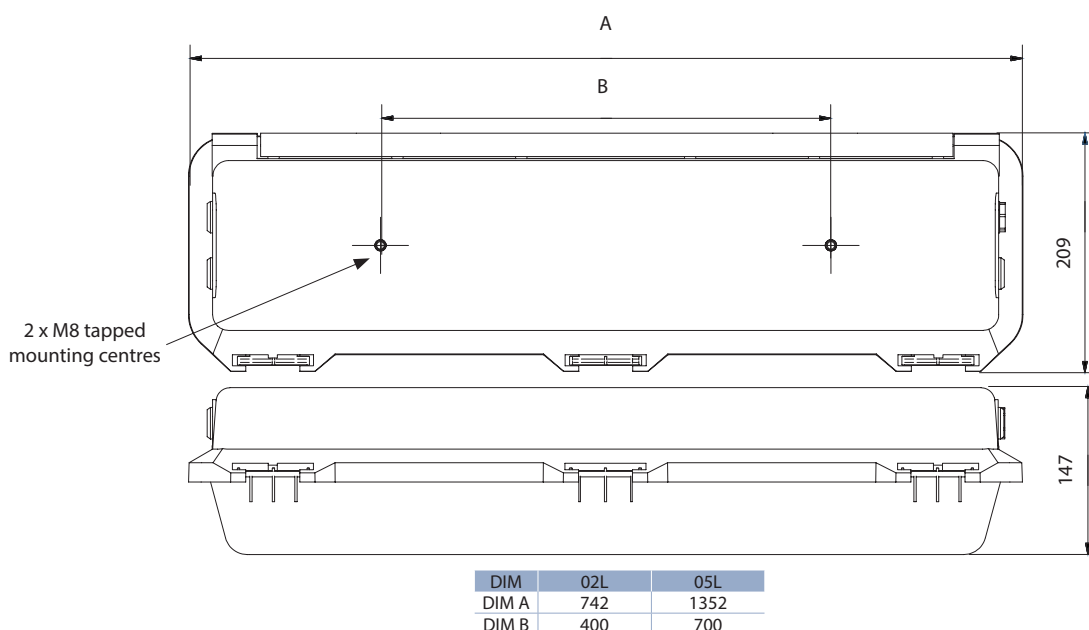
## Options - Suffix To Catalogue No.

/M25	M25 cable entries	/NST	Non Self Test [Emergency version only]
/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 <sup>2</sup> conductors)
/BP	Nickel plated brass plugs (x3)	/3H	3 hour battery duration (02L = 25% output; 05L = 12.5% output, 07L = 10% output). Standard on /ASW & /ASL versions.
/ASL	Asymmetric along length optic	/ASW	Asymmetric along width optic

Accessories *order 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



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