



## PROTECTA IV

Ex db eb LED Linear

The **Protecta IV** LED linear delivers next generation LED efficiency and photometric performance whilst maintaining the recognised benefits of our globally tried and trusted enclosure.

Delivering up to 149 lumens per watt the Protecta IV is now at the forefront of energy efficiency expected of a modern Zone 1 LED lighting fixture.

With expected useful life to 70% of the initial lumens (L70) an impressive >200,000 hours at 60°C, coupled with a system life of >125,000 hours at 25°C the Protecta IV truly delivers an effective long term solution for Zone 1 lighting requirements.



International Approvals

### Mounting Options

Ceiling. Wall. Suspended. Pole.

## Standard Specification

Protecta IV 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 Zone 2 areas to EN/IEC 60079-10-1 Zone 21 and Zone 22 areas to EN/IEC 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/T6 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 4x Ex plastic plugs
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
Optical Distribution	Wide beam
Colour Temperature (CCT)	5000K (Cool White)
Colour Rendering Index (Ra)	>80
Maintenance	Quick release diffuser clamp and hinged cover
LED Lifetime @ 60°C Ambient	L70 > 200,000hrs
System Life @ Ambient	120,000hrs @ 25°C; 90,000hrs @ 60°C [excluding battery]
Battery	Internal Ni-Mh (6V) [Emergency version only]
Emergency Duration	90 mins (O2L = 50% output; O5L = 25% output, O7L = 20% output) [ASL/ASW Asymmetric 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** up to 149 lm/W
- >90,000 maintenance free hours at 60°C
- Battery management and automatic self test
- Multiple beam distributions available
- Front access cover with screwless mains terminals for easy termination

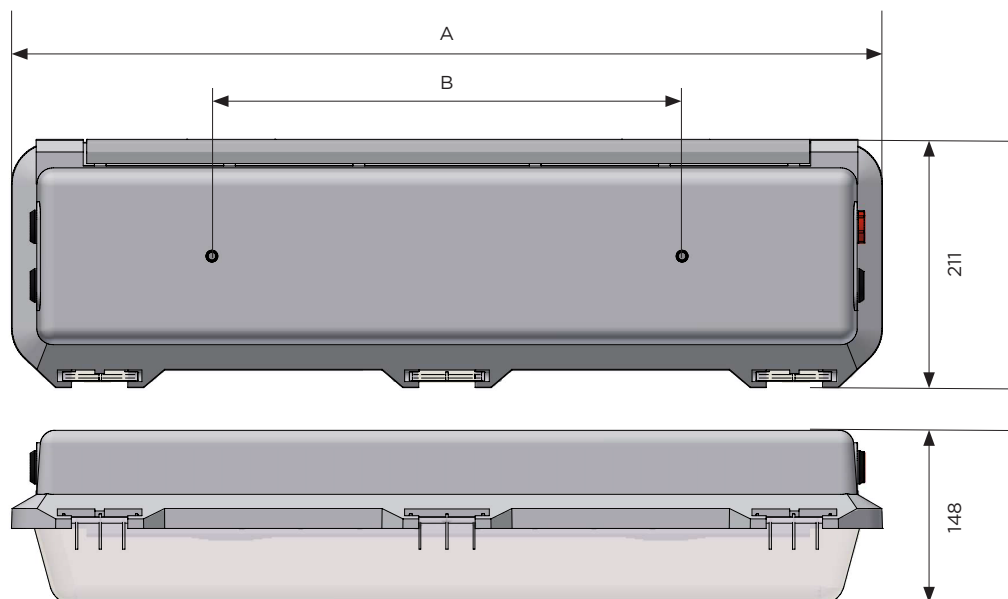
Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
PR4B/02L/LE	2616 lm	16W	T6	85	-40 to +60	7.1kg
PR4B/05L/LE/2FT	5110 lm	35W	T5	100	-40 to +60	7.1kg
PR4B/05L/LE	5245 lm	35W	T6	85	-40 to +60	8.2kg
PR4B/07L/LE	7102 lm	51W	T6	85	-40 to +60	8.2kg
PR4B/02L/LE/EM	2616 lm	19W	T6	85	-25 to +60	7.6kg
PR4B/05L/LE/EM/2FT	5110 lm	38W	T5	100	-25 to +60	7.6kg
PR4B/05L/LE/EM	5245 lm	38W	T6	85	-25 to +60	8.7kg
PR4B/07L/LE/EM	7102 lm	53W	T6	85	-25 to +55	8.7kg

### Options - Suffix to Catalogue No.

/M25	M25 cable entries	/3H	3 hour battery duration (02L=25%, 05L=12.5%, 07L=10%) [standard on /ASW, /ASL & /220-240 versions]
/LBE	Looping both ends	/4K	4000K (Neutral White) LED Strips
/EL	Extra live termination facility (to match emergency circuit) [Non-Emergency version only]	/SC	Screwed connection terminal block (up to 6mm <sup>2</sup> conductors)
/BP	3x Ex nickel plated brass blanking plugs	/NST	Non Self Test [Emergency version only]
/ASL	Asymmetric along length optic	/ASW	Asymmetric along width optic
/220-240	Suitable for 220-240V AC electrical supply [Emergency version only]		

### Accessories *order separately*

	Order Code
Pole mounting bracket assembly (38-42mm diameter poles)	SPOL4-100001
Pole mounting bracket assembly (48-52mm diameter poles)	SPOL4-100002
Pole mounting bracket assembly (58-62mm 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



DIMENSIONS		
DIA	2ft	4ft
DIM A	742mm	1352mm
DIM B	400mm	700mm



A Hubbell brand