



PROTECTA X

Ex eb LED Linear

The next generation in LED linear luminaires, the Protecta X's revolutionary design puts LED at the centre to provide the performance of a 4ft linear in a lightweight and slimline package. With a robust enclosure and excellent IP, the Protecta X is suitable for use in the world's most arduous environments. Expected useful life to 70% of the initial lumens (L70) is >200,000 hours at 25°C, with an incredible 90,000 maintenance free hours at 60°C. For a luminaire with the longest life, the highest output and market-leading efficacy, choose the **Protecta X**.



Mounting Options

Ceiling. Wall. Suspended. Pole. Handrail.

Standard Specification

Protecta X Ex eb LED Linear

Type of Protection	Ex db eb mb (Flameproof, Increased Safety, Encapsulation) 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 CML18ATEX3358X IECEX Certificate of Conformity IECEX CML 18.0167X
Coding	Ex db eb mb op is IIC T5 Gb Ex op is tb IIIC T85°C Db IP6X
Enclosure	Marine grade aluminium body with polycarbonate diffuser. Driver enclosure with epoxy powder finish (RAL 9005)
Geartray	Aluminium
Entry	4 x M20 cable entries - 2 at each end [3 cable entries on Emergency with battery stick]
Termination	3 core 4mm ² max conductor [4 core on Emergency] with looping one end and 16A rating through wiring
Installation	2 x M8 mounting points 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)	>70
Maintenance	Front access panel with Torx screws
LED Lifetime @ 60°C Ambient	L70 > 200,000hrs
System Life @ Ambient	120,000hrs @ 25°C; 90,000hrs @ 60°C [excluding battery]
Battery	Hot-Swappable Ni-MH (6V) battery stick - externally accessed [/EM version only]
Emergency Duration	90 mins (02L = 50% output; 05L = 25% 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** >135lm/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
- Externally accessible battery stick** for ease of maintenance

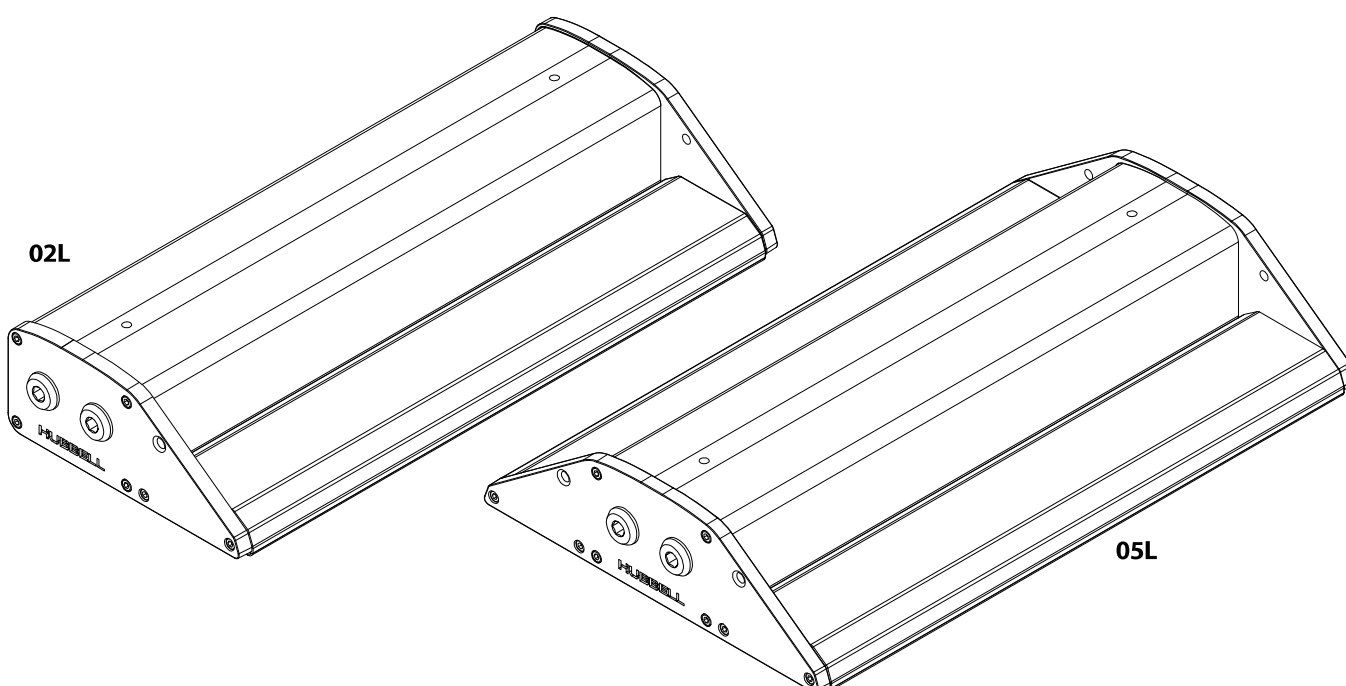
Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
PRXB/02L/LE	2696 lm	16W	T5	85	-40 to +60	7.1kg
PRXB/05L/LE	5230 lm	36W	T5	85	-40 to +60	9.1kg
PRXB/02L/LE/EM	2696 lm	18.5W	T5	85	-25 to +60	7.6kg
PRXB/05L/LE/EM	5230 lm	38.5W	T5	85	-25 to +60	9.6kg

Options - Suffix to Catalogue No.

/M25	M25 cable entries	/3H	3 hour battery duration (02L = 25% output; 05L = 12.5% output) [Standard on ASW or ASL versions]
/LBE	Looping both sides [Non Emergency only]	/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)
/EMI	Internal battery pack [replace /EM with /EMI]	/BNI	Batteries not included [Emergency version only]
/NST	Non Self Test [Emergency version only]	/DM	DALI Dimmable driver
/ASL	Asymmetric along length optic	/M	Medium beam optic
/ASW	Asymmetric along width optic [05L version only]	/BP	Nickel plated brass plugs
/80	80 CRI LEDs		

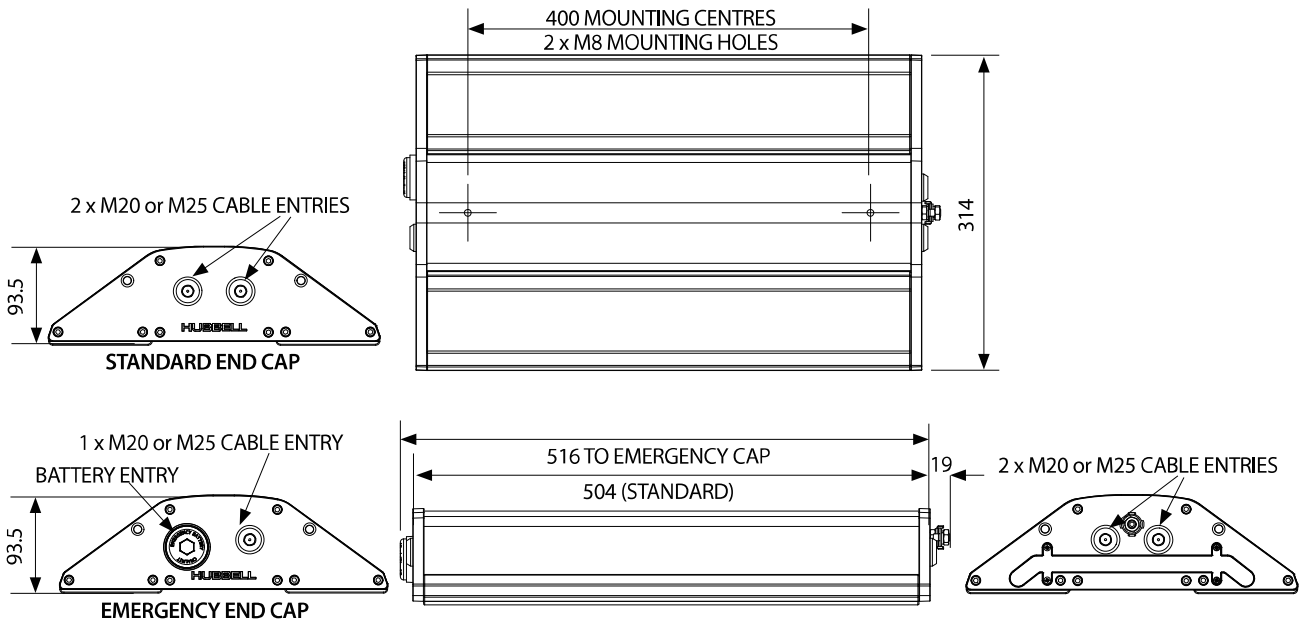
Accessories order separately

	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 wall mounting outreach bracket (use with SPOL4-100001)	NPRO4-0008
Eyebolt mounting assembly	SPRO5-0005
Protecta 4ft adaptor bracket	SPRO5-0006

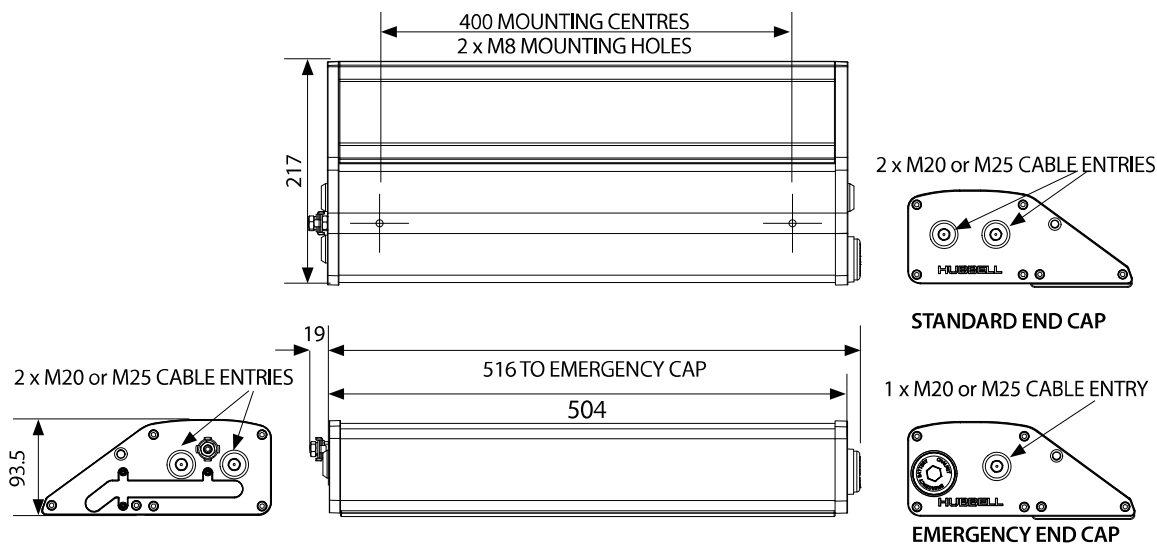


Dimensioned Drawings

PROTECTA X - 05L



PROTECTA X - 02L



Chalmit®

PROTECTA X

The Next Generation in Hazardous Area LED Lighting



Revolutionary Design

Longest Life • **Highest** Output

120,000 hrs+ Lifespan • **Market-Leading** Efficacy

Optimised Optical Design • **Innovative** Battery Stick

Performance of a 4ft linear in a **Slimline Compact Package**

#XSeriesLED

Be prepared to break the linear mould.



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