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

MADE IN BRITAIN

International Approvals

Standard Specification

Protecta X Ex 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 　CML18ATEX3358X IECEx Certificate of Conformity 　IECEx CML 18.0167X UK Type Examination Certificate 　CML 21UKEX1506X
Coding	Ex db eb IIB+H2 T5 Gb　Ex 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 [3xM20 on Emergency with hot-swappable battery stick]
Termination	3 core 4mm² 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)	>80
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, 07L = 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** >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

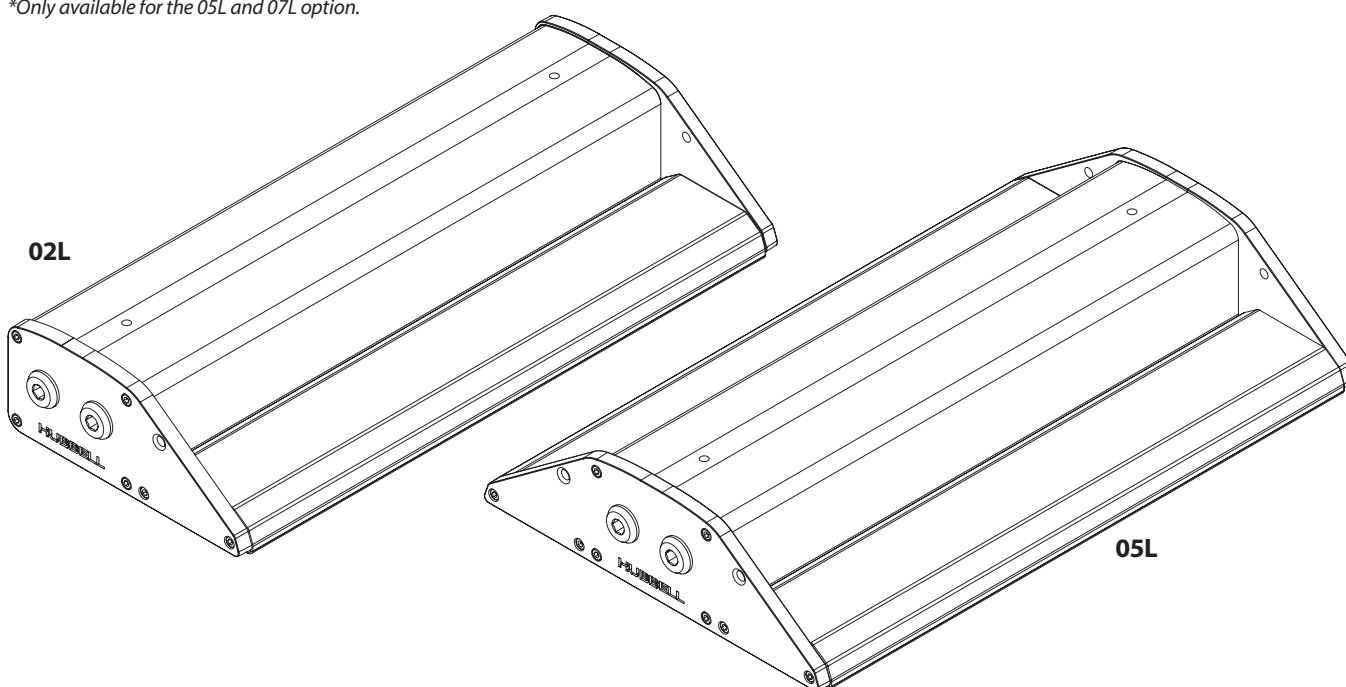| Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
PRXB/02L/LE	2696 lm	16W	T5	85	-40 to +60	7.1kg
PRXB/05L/LE	5230 lm	35W	T5	85	-40 to +60	9.1kg
PRXB/07L/LE	7474 lm	51W	T5	85	-40 to +55	9.3kg
PRXB/02L/LE/EM	2696 lm	19W	T5	85	-25 to +60	7.6kg
PRXB/05L/LE/EM	5230 lm	38W	T5	85	-25 to +60	9.6kg
PRXB/07L/LE/EM	7474 lm	53W	T5	85	-25 to +55	9.8kg

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) [Non Emergency only, Not available with /SC]	/SC	Screwed connection terminal block (up to 6mm² conductors) [Non Emergency only]
/EMI	Internal battery pack [replace /EM with /EMI]	/BNI	Batteries not included [Emergency version only]
/NST	Non Self Test [Emergency version only]	/DM	DALI2 Dimmable driver. For 05L and 07L Non Emergency Only
/ASL	Asymmetric along length optic	/M	Medium beam optic
/ASW	Asymmetric along width optic [05L version only]	/BP	Nickel plated brass plugs
		/OD	Opal diffuser (max. 30% reduction in output)

Accessories *order separately*
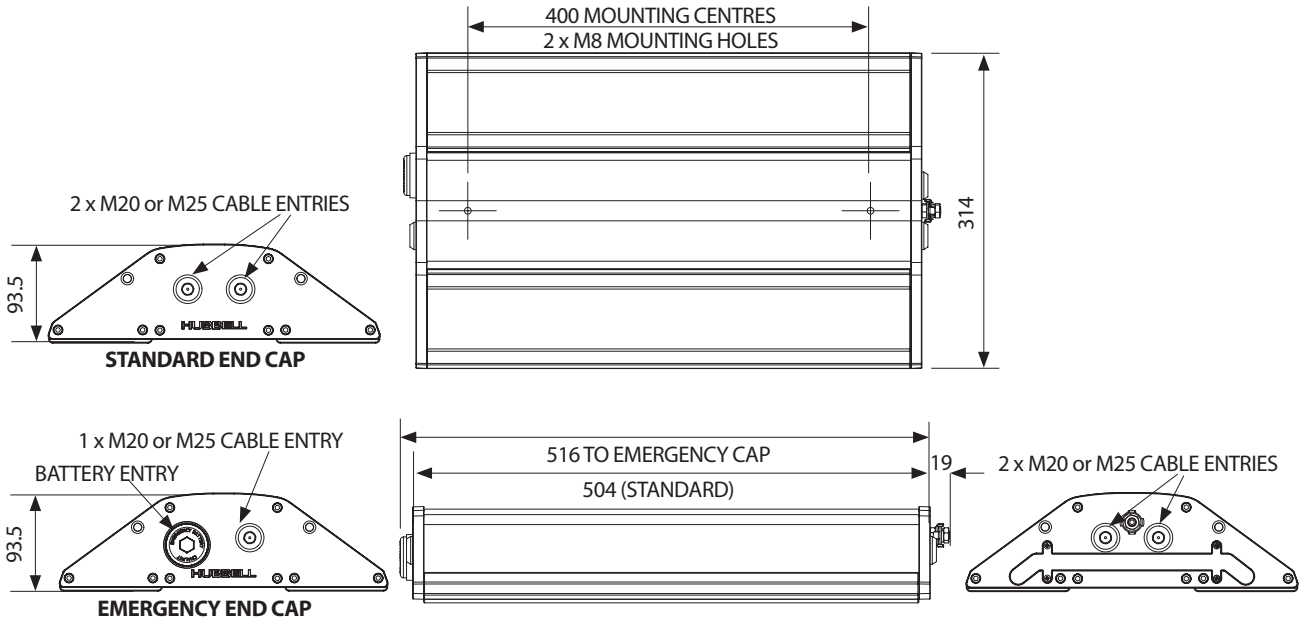
	Order Code
Pole mounting bracket assembly (38-42mm diameter poles)	SPOL4-100001
Pole mounting bracket assembly (48-52mm diameter poles)	SPOL4-100002
Pole mounting bracket assembly (58-62mm diameter poles)	SPOL4-100003
Hook type ceiling bracket assembly	SPRO4-0005
Flush mounted wall bracket assembly	SPRO4-0006
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

*Only available for the 05L and 07L option.

02L

05L

Dimensioned Drawings

PROTECTA X - 05L

400 MOUNTING CENTRES
2 x M8 MOUNTING HOLES

314

2 x M20 or M25 CABLE ENTRIES

93.5

STANDARD END CAP

1 x M20 or M25 CABLE ENTRY

BATTERY ENTRY

93.5

EMERGENCY END CAP

516 TO EMERGENCY CAP

504 (STANDARD)

19

2 x M20 or M25 CABLE ENTRIES

PROTECTA X - 02L

400 MOUNTING CENTRES
2 x M8 MOUNTING HOLES

217

2 x M20 or M25 CABLE ENTRIES

STANDARD END CAP

19

516 TO EMERGENCY CAP

504

2 x M20 or M25 CABLE ENTRIES

93.5

1 x M20 or M25 CABLE ENTRY

EMERGENCY END CAP