



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 25°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.



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 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 ² 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

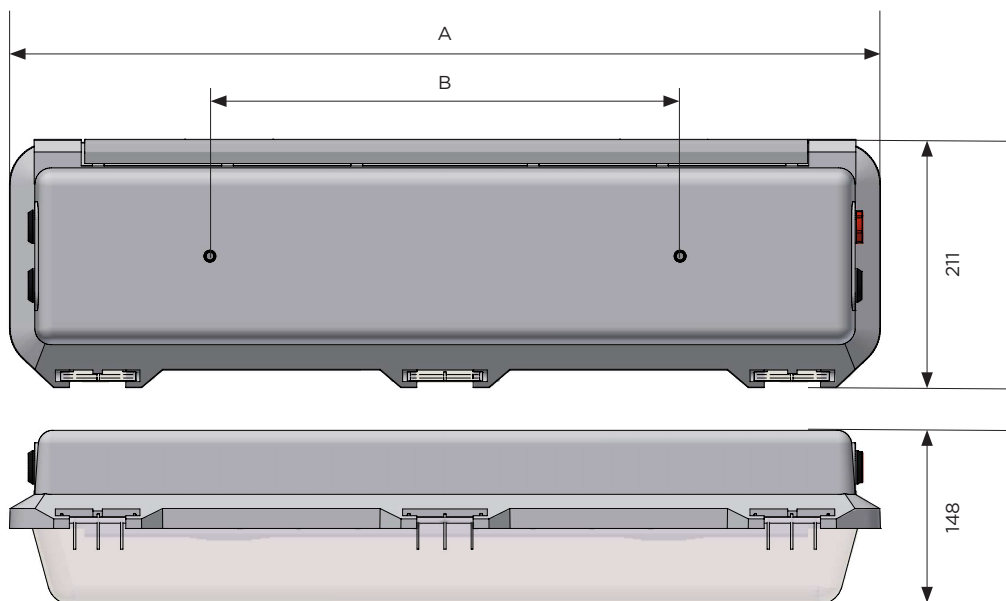
| Std. Cat No. | Delivered Output | Power Consumption | Tclass | T°C (Dust) | Ambient °C | Weight |
|--------------------|------------------|-------------------|--------|------------|------------|--------|
| PR4B/02L/LE | 2616 lm | 16W | T5 | 100 | -40 to +60 | 7.1kg |
| PR4B/05L/LE/2FT | 5110 lm | 35W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