



# PROTECTA X

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. Offering a robust enclosure, excellent IP and a variety of features to make installation and maintenance effortless, the Protecta X is ideal for industrial 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 LED Linear

|                             |  |
|-----------------------------|--|
| 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 <sup>2</sup> 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<br>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 | Ambient °C | Weight |
|----------------|------------------|-------------------|------------|--------|
| PRXI/02L/LE    | 2696 lm          | 16W               | -40 to +60 | 6.8kg  |
| PRXI/05L/LE    | 5230 lm          | 36W               | -40 to +60 | 8.8kg  |
| PRXI/02L/LE/EM | 2696 lm          | 18.5W             | -25 to +60 | 7.3kg  |
| PRXI/05L/LE/EM | 5230 lm          | 38.5W             | -25 to +60 | 9.3kg  |

| Options - Suffix to Catalogue No. |  |             |  |
|-----------------------------------|--|-------------|--|
| <b>/M25</b>                       | M25 cable entries  | <b>/3H</b>  | 3 hour battery duration (02L = 25% output; 05L = 12.5% output) [Standard on ASW or ASL versions] |
| <b>/LBE</b>                       | Looping both sides [Non Emergency only]                      | <b>/4K</b>  | 4000K (Neutral White) LED Strips   |
| <b>/EL</b>                        | Extra live termination facility (to match emergency circuit) | <b>/SC</b>  | Screwed connection terminal block (up to 6mm <sup>2</sup> conductors)                            |
| <b>/EMI</b>                       | Internal battery pack [replace /EM with /EMI]                | <b>/BNI</b> | Batteries not included [Emergency version only]  |
| <b>/NST</b>                       | Non Self Test [Emergency version only]                       | <b>/DM</b>  | DALI Dimmable driver   |
| <b>/ASL</b>                       | Asymmetric along length optic                                | <b>/M</b>   | Medium beam optic  |
| <b>/ASW</b>                       | Asymmetric along width optic [05L version only]              | <b>/BP</b>  | Nickel plated brass plugs  |
| <b>/80</b>                        | 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   |

Please also refer to the complete set of Protecta X dimensioned drawings on P.8

