

EX e STAINLESS STEEL LINEAR

The Protecta III is also available in a stainless steel body version. This incorporates the same design and monitoring features found in the GRP body Protecta. The increased durability of its stainless steel construction makes this luminaire ideal for applications where there is a high risk of mechanical damage or exposure to chemical agents.

Mounting Options

- Ceiling
- Wall
- Suspended
- Pole

International Approvals



Standard Specification

Protecta Stainless Steel Ex e Linear

| | |
|---------------------|---|
| Type of Protection | Ex e mb q (Increased Safety, Encapsulation, Powder filling) |
| ATEX Classification | Group II Category 2 GD |
| Area Classification | Zone 1 and Zone 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14 |
| Certificate | EC Type Examination Certificate Baseefa04ATEX0220 IECEx Certificate of Conformity IECEx BAS09.0017 |
| Coding | Ex e mb q IIC T4 Gb Ex tb IIIC T85°C Db IP66/67 |
| Enclosure | Marine grade 316S31 stainless steel body with clear polycarbonate cover |
| Geartray | White polyester painted zinc coated steel |
| Entry | 4 x M20 cable entries - 2 at each end |
| Termination | 3 core 4mm ² max conductor with looping and 16A through wiring. (4 core on Emergency) |
| Installation | 2x M8 tapped stainless steel inserts located on rear of body |
| Control Gear | High Frequency |
| Maintenance | Quick release diffuser clamps and hinged cover |
| Battery | Internal Ni-Cd (6V) (Emergency version only) |
| Emergency Duration | 90 mins (18W = 50% of one lamp, 36W = 25% of one lamp) |
| Ingress Protection | IP66 to EN 60529 |
| Surge Protection | 6kV |
| Electrical Supply | 220-254V AC, 50/60Hz 220-300V DC (Non Emergency version only) |

Features

- ◆ Battery **management, monitoring** and automatic **self test**
- ◆ **Resistance** to voltage fluctuations
- ◆ **Automatic de-energisation** on openings
- ◆ **DC operation** (Non Emergency version only)
- ◆ Ability to **detect and indicate** impending end of emergency lamp life before actual failure

Chalmit®

LIGHTING SOLUTIONS

For Harsh & Hazardous Locations



Product design and specifications are subject to change without notice. Please check the Chalmers website for latest specifications.
www.chalmers.com



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| Std. Cat No. | Lamp | Lamp Type | Lamp Holder | LOR % | TClass | T°C (Dust) | Ambient °C | Weight |
|----------------|-------|----------------|-------------|-------|--------|------------|------------|--------|
| PRSE/218/BI | 2x18W | T8 fluorescent | G13 | 75 | T4 | 85 | -25 to +55 | 6.0kg |
| PRSE/236/BI | 2x36W | T8 fluorescent | G13 | 75 | T4 | 85 | -25 to +55 | 9.6kg |
| PRSE/218/BI/EM | 2x18W | T8 fluorescent | G13 | 75 | T4 | 85 | -25 to +45 | 9.1kg |
| PRSE/236/BI/EM | 2x36W | T8 fluorescent | G13 | 75 | T4 | 85 | -25 to +45 | 12.5kg |

Options - Suffix to Catalogue No.

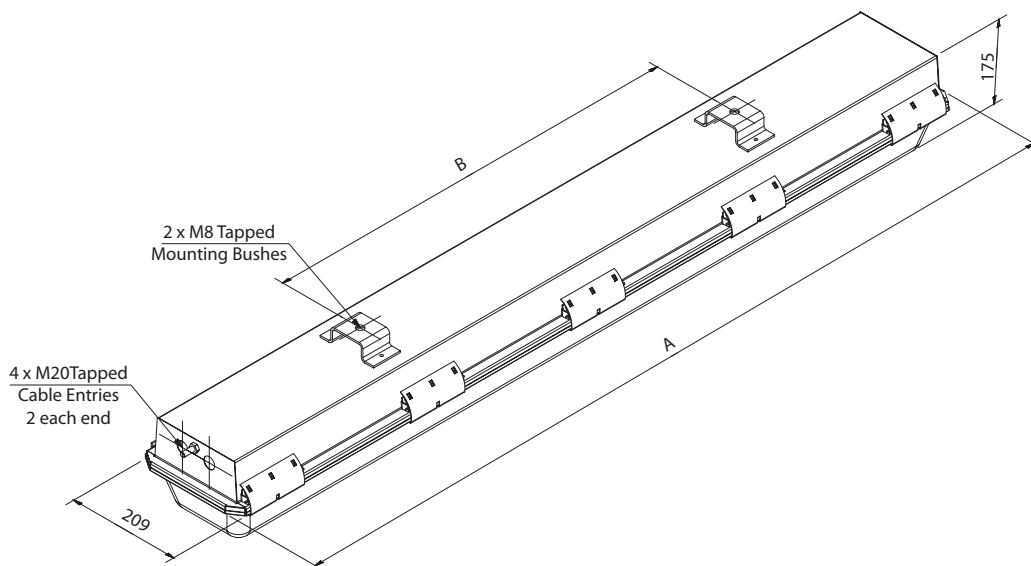
| | | | |
|------|--|------|---|
| /M25 | M25 cable entries | /LBE | Looping both sides |
| /EL | Extra live termination facility (compatible with 4 core switched emergency circuits) | /SC | Screwed connection terminal block (up to 6mm ² conductors) |
| /HEO | High emergency output - 45% of one lamp (36W only) | /3P | 3 phase termination facility (not available if looping required) |
| /120 | Specific voltage (110-130V) | /3H | 3 hour battery duration* |

* 18W = 30% of one lamp, 36W = 25% of one lamp

Accessories

Accessories should be ordered separately

| | Order Code |
|---|--------------|
| Pole mounting bracket assembly (38-42 diameter poles) | SPOL4-100001 |
| Pole mounting bracket assembly (48-52 diameter poles) | SPOL4-100002 |
| Pole mounting bracket assembly (58-62 diameter poles) | SPOL4-100003 |
| Hook type ceiling bracket assembly | SPRO4-0005 |
| Flush mounted wall bracket assembly | SPRO4-0006 |
| Ceiling bracket assembly | SPRO4-0002 |
| Standard 18W wall mounting outreach bracket (use with SPOL4-100001) | NPRO4-0008 |
| Standard 36W wall mounting outreach bracket (use with SPOL4-100001) | NPRO4-0012 |
| Eyebolt mounting assembly | SPRO5-0005 |
| Looping kit (allows looping from both ends of luminaire) | SPROT-0021 |
| Remote Ex switch for emergency inhibition (1 switch controls up to 10 luminaires) | SPROT-0033 |



| | | |
|-------|-----|------|
| DIM | 18W | 36W |
| DIM A | 742 | 1352 |
| DIM B | 400 | 700 |

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