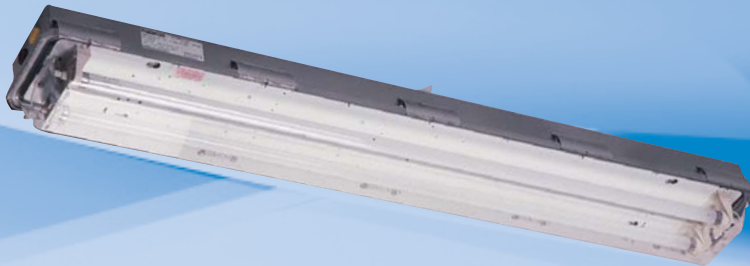# PROTECTA III

STAINLESS STEEL
Ex e FLUORESCENT

The Protecta III is also available with a stainless steel body version, this is intended for applications where a risk of mechanical damage or exposure to chemical agents exits.

The Protecta stainless steel version shares the technical features of the GRP bodied range being rugged and technically advanced. The emergency version has comprehensiveself testing and an internal battery with all the control gear mounted together on a gear tray.

The product has excellent durability as it is constructed using stainless steel with a polycarbonate diffuser. The product is intended for applications where a risk of mechanical damage or exposure to chemical agents exists.

The strong, simple and reliable enclosure affords a high degree of ingress protection. The ease of access to lamps and control gear ensures that installation and maintenance will be completed quickly and efficiently.

EOL Protected

Standard Specification

Type of Protection	Ex eqm (Increased safety Powder filling Encapsulation)
ATEX Classification	Group II Category 2 G D
Area Classification	Zone 1 and Zone 21 areas to EN60079-10 and EN 50281-3 with installation to EN 60079-14 and EN 50281-1-2
Apparatus Standard	EN 50014 EN 50017 EN 50019 EN 50028 EN 50281-1-1
Certificate	EC Type Examination Certificate Baseefa04ATEX0220
Coding	⟨Ex⟩ II 2 G D EEx eqm II T4 Tamb 55°C (45°C for emergency version)
Enclosure	Stainless steel body with polycarbonate cover
Reflector/Geartray	White polyester painted zinc coated steel
Entry	4 x M20 cable entries, 2 at each end
Termination	3 core 6mm² max. conductor with looping and 16A rating through wiring (4 core for emergency)
Installation	Two M8 tapped stainless steel inserts located on rear of body
Lampholder:	Fa6 Cap (Mono-pin), G13 (Bi-pin)
Lamp Type	T8 tubular fluorescent
Control Gear	High Frequency
Relamping	Quick release diffuser clamps and hinged cover
Burning Position	Universal
Ingress Protection	IP66 to EN 60529
Electrical Supply	220V - 254V 50/60Hz 220V - 300V dc (non-emergency only)
Battery	Internal Ni-Cd Battery (6V 4 Ah)
Duration	90 minutes to EN60598-2-22 (3H option)
Emergency Output	50% of one lamp (18W) 25% of one lamp (36W), 45% - HEO option

Features

- Simple rugged construction
- Hinged cover with easily removeable cover clamps
- Standard fixing centres
- High frequency control gear gives 50/60Hz operation, high power factor correction and regulation of lamp output
- Automatic lamp de-energisation on opening
- Screwless mains terminals
- Resistance to voltage fluctuations
- Battery management, monitoring and automatic self test
- Ability to detect and indicate impending end of emergency lamp life before actual failure
- GOST and CSA Approved
- IEC Ex Compliant
- End of life (EOL) protection to IEC 60079-7 (with EOL I and EOL II functionality)

Chalmit lighting

Std. Cat No.	Part No.	Wattage	Weight
PRSE/218/BI	510231	2x18W	6.0kg
PRSE/236/BI	510431	2x36W	9.6kg
PRSE/218/BI/EM	512231	2x18W	9.1kg
PRSE/236/BI/EM	512431	2x36W	12.5kg
PRSE/218/MO	510239	2x18W	6.0kg
PRSE/236/MO	510439	2x36W	9.6kg
PRSE/218/MO/EM	512239	2x18W	9.1kg
PRSE/236/MO/EM	512439	2x36W	12.5kg

Options - Suffix to Catalogue No.

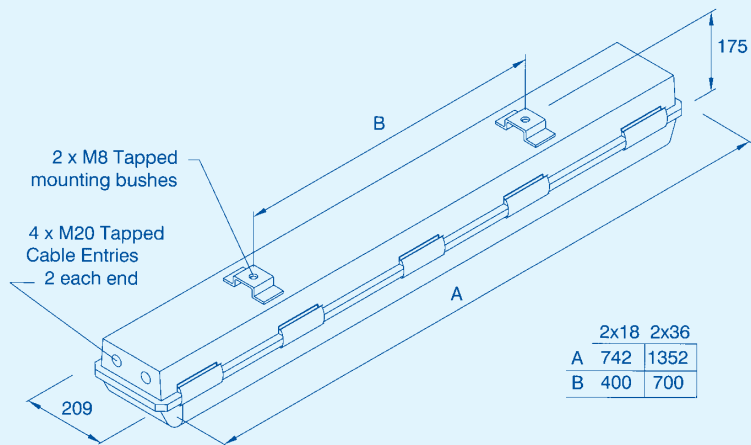|	
/120	110/130V
/M25	M25 Entries
/3P	3 phase termination facility (Not available if looping required)
/LBE	Looping both sides
/EL	Extra live termination facility (compatible with 4 core switched emergency circuits)
/3H	3 hour battery duration
/HEO	High emergency output 90 minute duration (36W only)

MO - Mono-pin lamps
Mono-pin coding: EEx eqd IIC
Mono-pin emergency coding: EEx eqdm IIC
Dust only version (PRSU/___) available.

Applications

Zone 1 and 2 hazardous areas • Ideal for harsh and corrosive environments
Offshore oil and gas platforms • Petrochemical industry
Sewage treatment plants • Walkways and access areas
FPSO's and FSO's vessels • Chemical industries • Distilleries

2 x M8 Tapped mounting bushes
4 x M20 Tapped Cable Entries 2 each end
175
209

	2x18	2x36
A	742	1352
B	400	700

Accessories (Should be ordered separately)

	Catalogue Order Code
Offset ceiling bracket assembly kit	**SPRO4-0002**
Pole mounting bracket assembly (38/50mm diameter poles)	**SPRO4-0003**
C' form hook type ceiling bracket assembly kit	**SPRO4-0005**
Flush mounted wall bracket assembly kit	**SPRO4-0006**
18W wall mounting outreach bracket (use with SPRO4-0003)	**NPRO4-0008**
36W wall mounting outreach bracket (use with SPRO4-0003)	**NPRO4-0012**
Eyebolt kit	**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**

Product design and specifications are subject to change without notice, please check the Chalmit website for latest specifications.