EOL Protected

The Protecta III is a proven and reliable T8 fluorescent luminaire. The Protecta's rugged, corrosion resistant construction (IP66/IP67) combined with an advanced high frequency ballast ensure minimum product maintenance is required.

When access is required the Protecta III features an easy access clamp bar and automatic lamp de-energisation to allow quick and easy re-lamping.
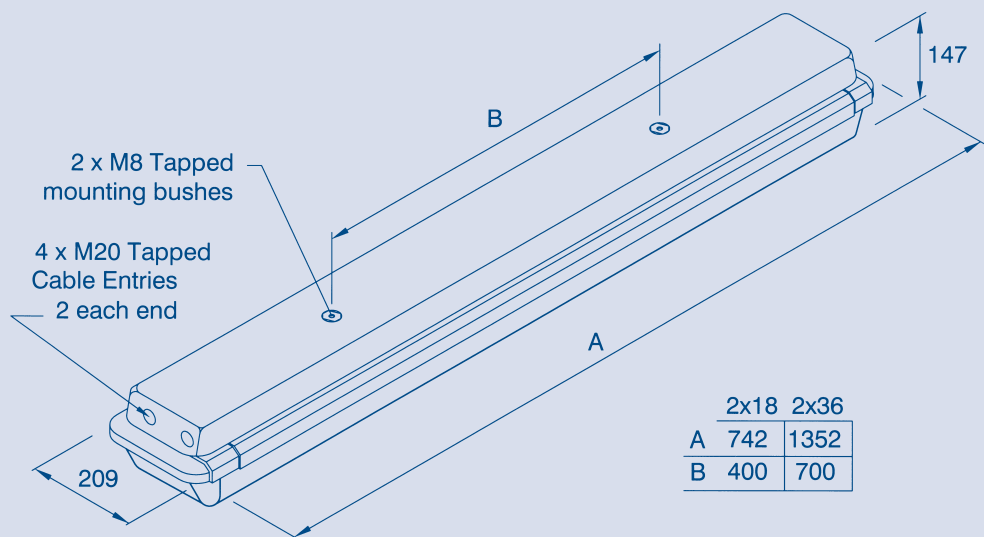
Standard Specification		Features
Type of Protection	Ex e mb q (Increased safety Encapsulation Powder filling)	Simple rugged construction
ATEX Classification	Group II Category 2 GD	Full length easy access diffuser clamp
Area Classification	Zone 1 and 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14	Advanced control gear gives 50/60Hz operation, high power correction factor and regulated lamp output that is 20% greater at -20°C than competitors
Certificate	EC Type Examination Certificate Baseefa04ATEX0220	
Coding	⟨Ex⟩ II 2 GD Ex e mb q IIC T4 Tamb 55°C	Resistant to voltage fluctuations
Enclosure	GRP body with polycarbonate cover and brass suspension points	dc operation
Reflector/Geartray	White polyester painted zinc coated steel	Automatic lamp de-energisation on opening
Entry	4 x M20 cable entries, 2 at each end	Quick release mains terminals
Termination	Quick release mains terminals - 3 core 4mm² max. conductor with looping and 16A rating through wiring. (6mm² terminations available - /SC option)	DTS-01 deluge tested
		Vibration tested to comply with Lloyds/DNV
Installation	Two M8 tapped brass inserts located on rear of body	End of life (EOL) protection to IEC 60079-7 (with EOL I and EOL II functionality)
Control Gear	High Frequency	
Relamping	Quick release diffuser clamp and hinged cover	International Approvals
Lampholder	G13 (Bi-pin)	
Burning Position	Universal	
Ingress Protection	IP66/67 to EN 60529	ATEX, GB (China), GOST, CSA and CEPEL
Electrical Supply	220V - 254V 50/60Hz, 220 - 300V dc	IECEx Compliant

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Std. Cat No.	Wattage	Lamp	TClass	T°C (Dust)	Ambient °C	Weight
PRGE/218/BI	2x18W	T8	T4	85	-20 to +55	5.9kg
PRGE/236/BI	2x36W	T8	T4	85	-20 to +55	9.5kg
PRGE/218/MO	2x18W	T8	T4	85	-20 to +55	5.9kg
PRGE/236/MO	2x36W	T8	T4	85	-20 to +55	9.5kg

MO - Mono-pin (Fa6 Cap) Lamps.   Mono-pin Coding: Ex d e q.

Options – Suffix to Catalogue No.

/120	Specific voltage (110/130)	/3P	3 phase termination facility (Not available if looping required)
/M25	M25 cable entries	/LBE	Looping both ends
/SC	Screwed connection terminal block (up to 6mm² conductors)	/EL	Extra live termination facility (to match emergency circuit)
/SB	Stainless steel mounting bush	/SE	Spigot entry

2 x M8 Tapped mounting bushes

4 x M20 Tapped Cable Entries 2 each end

B

A

147

209

	2x18	2x36
A	742	1352
B	400	700

Accessories Should be ordered separately	Catalogue 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
Ceiling mounting bracket assembly	SPRO4-0002
Eyebolt mounting assembly	SPRO5-0005
Flush mounting wall bracket assembly	SPRO4-0006
Looping kit (allows looping from both ends of luminaire)	SPROT-0021

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

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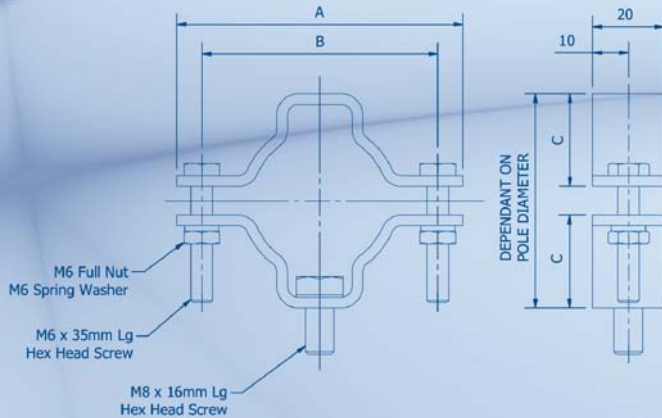www.chalmit.com   info@chalmit.com

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Rev 2

PROTECTA III
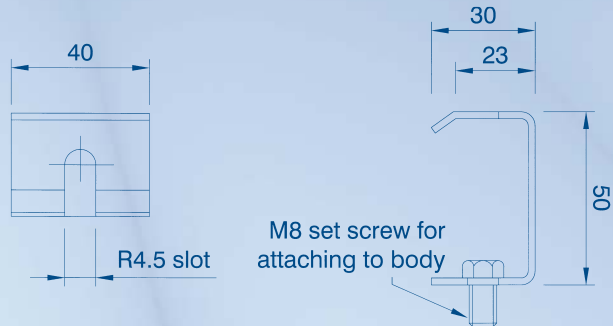
Pole Mounting Bracket Assembly   Cat No. SPOL4-100001/100002/100003

Pole mounting bracket to suit pole diameter
(38-42mm) SPOL4-100001
(48-52mm) SPOL4-100002
(58-62mm) SPOL4-100003

M6 Full Nut
M6 Spring Washer

M6 x 35mm Lg
Hex Head Screw

M8 x 16mm Lg
Hex Head Screw

DEPENDANT ON POLE DIAMETER

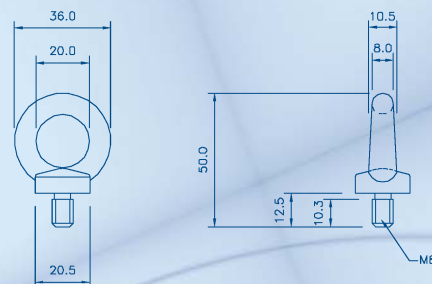| PART DETAILS				
Part Code	Part Description	A	B	C
SPOL4-100001	PROTECTA 38-42 P/M ASSY	80mm	66mm	26mm
SPOL4-100002	PROTECTA 48-52 P/M ASSY	90mm	76mm	32mm
SPOL4-100003	PROTECTA 58-62 P/M ASSY	96mm	80mm	38mm

Hook Type Ceiling Bracket Assembly   Cat No. SPRO4-0005

40

R4.5 slot

30
23
50

M8 set screw for attaching to body

Ceiling Mounting Bracket Assembly   Cat No. SPRO4-0002

270
240
25
25
C

2 Holes Ø11   Hole Ø8.25

Eyelet Mounting Assembly   Cat No. SPRO5-0005

36.0
20.0
50.0
20.5

10.5
8.0
12.5
10.3
M8

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Flush Mounting Wall Bracket Assembly — Cat No. SPRO4-0006
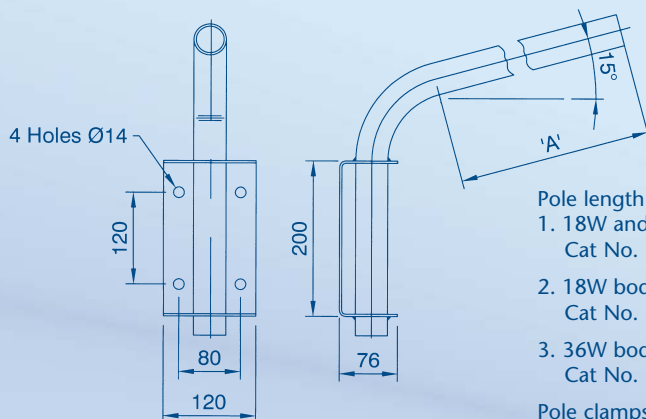
210
160
120°
200
120
40
M8 set screw for attaching to body
2 Holes Ø13

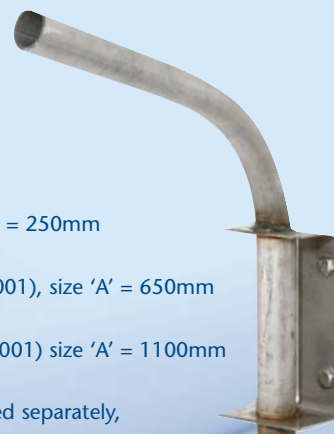**Note: All brackets are made from 316 Stainless Steel**

Wall Mounting Outreach Bracket — Cat No. NPRO4-0007/0008/0012
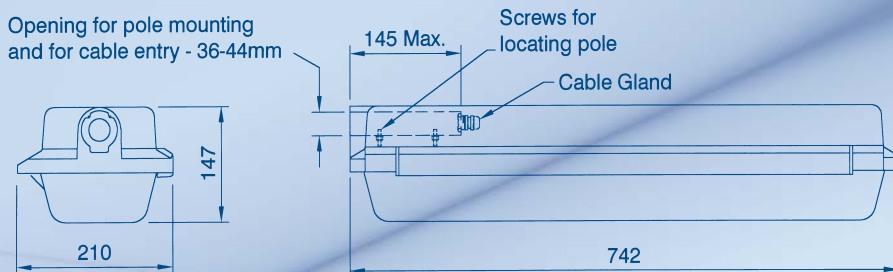
4 Holes Ø14
120
200
80
76
120
15°
'A'

Pole length 'A' for use with the following:
1. 18W and 36W spigot entry body, size 'A' = 250mm
   Cat No. NPRO4-0007

2. 18W body c/w pole clamps (SPOL4-100001), size 'A' = 650mm
   Cat No. NPRO4-0008

3. 36W body c/w pole clamps, (SPOL4-100001) size 'A' = 1100mm
   Cat No. NPRO4-0012

Pole clamps for items 2 & 3 must be ordered separately, see SPOL4-100001

18W Spigot Entry — Cat No. PRGE/218/BI/SE

Opening for pole mounting and for cable entry - 36-44mm
145 Max.
Screws for locating pole
Cable Gland
147
210
742

36W Spigot Entry — Cat No. PRGE/236/BI/SE

OPENING FOR POLE MOUNTING (MAX 42MM DIA) AND CABLE ENTRY.
2x M8 POLE FIXING HOLES
1x M20 CABLE ENTRY
1352
1382
147
209

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Rev 1