



The Protecta n utilises the proven strength and integrity as the Protecta III but is certified for use in Zone 2, Zone 21 and Zone 22 hazardous areas. The luminaire is recommended for use in areas where high levels of ingress protection is required

## Standard Specification

## Features

Type of Protection	Ex nA (Non-sparking)
ATEX Classification	Group II Category 3 GD
Area Classification	Zone 2 and Zone 22 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	Type Examination Certificate Baseefa08ATEX0227 IEC Certificate IECExBAS 08.0075
Coding	⊕ II 3 GD Ex nA
Enclosure	Refer to table for T rating and Ambient GRP body with polycarbonate cover and brass suspension points
Reflector	White polyester painted zinc coated steel
Entry	4 x M20 cable entries, 2 at each end
Termination	3 core 4mm <sup>2</sup> max. conductor with looping and through wiring 16A rating. 4 core 4mm <sup>2</sup> connectors on emergency). (6mm <sup>2</sup> terminations available - /SC option)
Installation	2 x M8 tapped Stainless steel moulded inserts located on the rear of the body.
Control Gear	High Frequency electronic ballast Emergency - electronic/inverter
Relamping	Quick release diffuser clamp and hinged cover
Burning Position	Universal
Ingress Protection	IP66/67 to EN 60529
Electrical Supply	220-254V 50/60Hz
Battery	Ni-Cd 6V (Emergency version only)
Duration	3 hours (Emergency version only)
Emergency Output	18W 32% of one lamp 36W 14% of one lamp

Easy access to suspended control gear tray
High frequency control gear gives 50/60Hz operation, high power factor correction and regulation of lamp output
dc operation (non-emergency only)
Vibration tested to comply with Lloyds/ DNV
DTS-01 deluge tested
End of life (EOL) protection to IEC 60079-7 (with EOL I and EOL II functionality)
Suitable for Zone 21 (Dust) areas Type Examination Certificate Baseefa08ATEX0228 Coding ⊕ II 2D Ex tD A21 T85°C

IK10 Impact Protection

## International Approvals

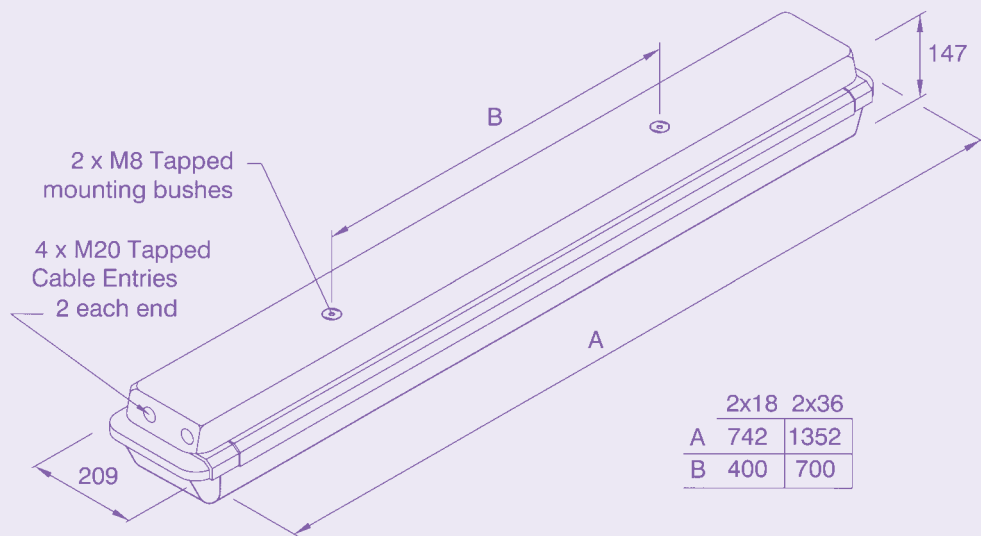
ATEX  
IECEx Compliant

# ATEX CATEGORY 3 ZONE 2, 21 & 22 APPLICATIONS

Std. Cat No.	Wattage	TClass(Gas)	T°C (Dust)	Ambient °C	Weight
PR2N/218/BI	2x18W	T4	85	-20 to +50	6.2kg
PR2N/136/BI	1x36W	T4	85	-20 to +50	9.6kg
PR2N/236/BI	2x36W	T4	85	-20 to +50	10.0kg
PR2N/218/BI/EM	2x18W	T4	85	-20 to +45	9.1kg
PR2N/136/BI/EM	1x36W	T4	85	-20 to +45	12.2kg
PR2N/236/BI/EM	2x36W	T4	85	-20 to +45	12.6kg

## Options – Suffix to Catalogue No.

<b>/120</b>	Specific voltage (110V-130V)	<b>/3P</b>	Three phase termination
<b>/SC</b>	Screwed connection terminal block (up to 6mm <sup>2</sup> conductors)	<b>/SE</b>	Spigot entry
<b>/M25</b>	M25 cable entries		



## 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 bracket assembly	SPRO4-0002
Flush mounting wall bracket assembly	SPRO4-0006
Eyebolt mounting assembly	SPRO5-0005
18W wall mounting outreach bracket (use with SPOL4-100001)	NPRO4-0008
36W wall mounting outreach bracket (use with SPOL4-100001)	NPRO4-0012

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

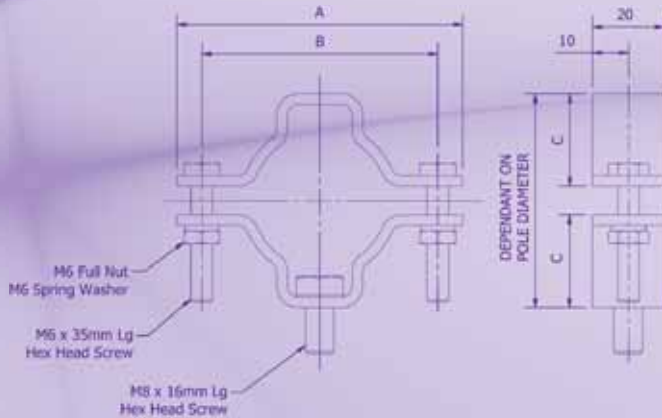


## Pole Mounting Bracket Assembly

Cat No. SPOL4-100001/100002/100003



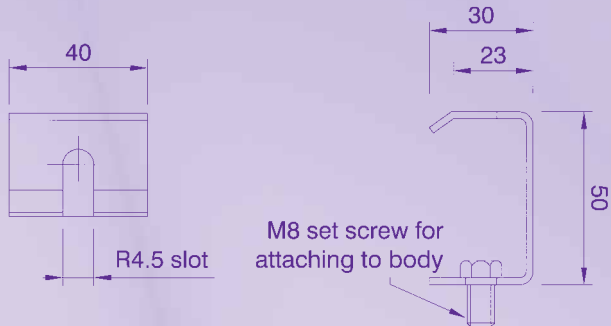
Pole mounting bracket to suit pole diameter  
 (38-42mm) SPOL4-100001  
 (48-52mm) SPOL4-100002  
 (58-62mm) SPOL4-100003



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

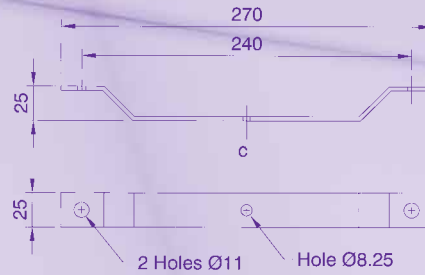
## Hook Type Ceiling Bracket Assembly

Cat No. SPRO4-0005



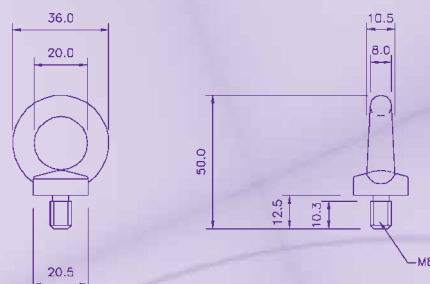
## Ceiling Mounting Bracket Assembly

Cat No. SPRO4-0002



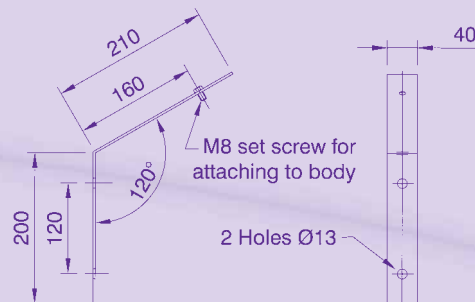
## Eyelet Mounting Assembly

Cat No. SPRO5-0005



## Flush Mounting Wall Bracket Assembly

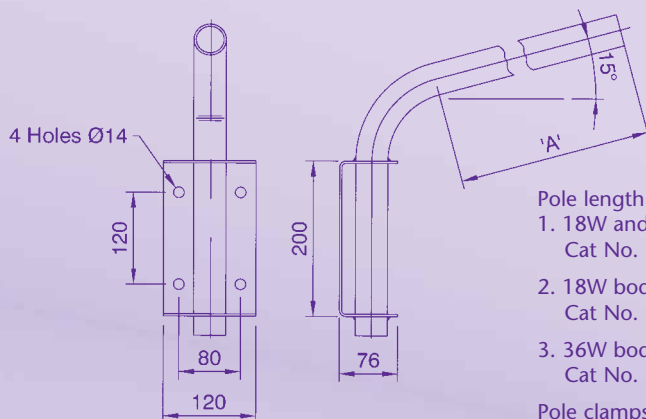
Cat No. SPRO4-0006



Note: All brackets are made from 316 Stainless Steel

## Wall Mounting Outreach Bracket

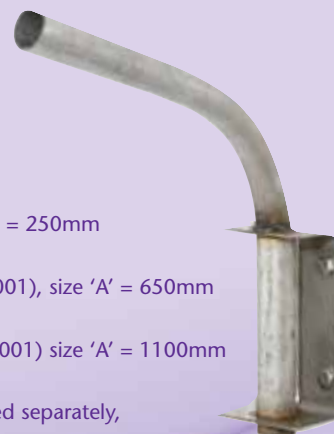
Cat No. NPRO4-0007/0008/0012



Pole length 'A' for use with the following:

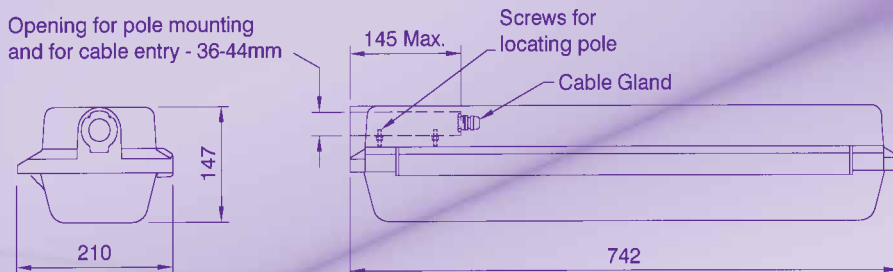
1. 18W and 36W spigot entry body, size 'A' = 250mm  
Cat No. NPRO4-0007
2. 18W body c/w pole clamps (SPOL4-100001), size 'A' = 650mm  
Cat No. NPRO4-0008
3. 36W body c/w pole clamps, (SPOL4-100001) size 'A' = 1100mm  
Cat No. NPRO4-0012

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



## 18W Spigot Entry

Cat No. PRGE/218/BI/SE



## 36W Spigot Entry

Cat No. PRGE/236/BI/SE

