

Floodlight fittings

HPS, MH or Halogen Floodlight fitting

XSF, XQF, XEF - Zones 1, 2



Features

- Wide or narrow beam
- Ex e integral junction box
- Flat or pole mounting
- Supplied with lamp installed
- Including accessories (cable gland & plug)
- Supplied with offshore grade paint

Specifications

- Manufactured from marine grade aluminium alloy - copper free
- Toughened borosilicate glass - thickness 12mm
- Rated voltage standard: 230Vac 50Hz - option: 220Vac 60Hz or 120Vac 60Hz depending on models - ferromagnetic ballast
- 2xEntries M20



Certifications



Standards

Approved to:	EN60079-0, 60079-1, 60079-7, 60079-31
EC Type examination certificate to:	Directive 94/9/EC LCIE 00 ATEX 6019X IEC Ex LCIE 11.0062X Ex II 2 G Ex de IIB T3 to T5 Gb for -20°C to +55°C according part numbers
Ambient temperature range:	-20°C to +55°C
IP test:	IP66 IEC 60529 (2001)
Impact protection index:	IK09 according to IEC 62262

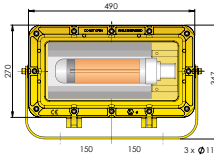
Floodlight fittings

HPS, MH or Halogen Floodlight fitting

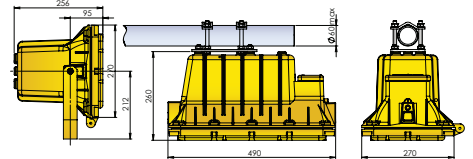
XSF, XQF, XEF - Zones 1, 2



XSF



XSF105P - flat mounting



XSF150G - pole mounting

Dimensional drawing

4

Technical specifications

Type	Mounting	Light Rating W	Beam	Rated Voltage V	Current A 230V	Temperature class		Weight kg
						-20°C to +40°C	-20°C to +55°C	
XSF Floodlight fitting								
XSF70P-00000	Flat	1 x 70 HP Sodium	Wide	230Vac 50HZ	0.40	T4	T3	17.04
XSF70G-00000	Pole	1 x 70 HP Sodium	Wide	230Vac 50HZ	0.40	T4	T3	18.04
XSF150P-00000	Flat	1 x 150 HP Sodium	Wide	230Vac 50HZ	0.80	T4	T3	17.04
XSF150G-00000	Pole	1 x 150 HP Sodium	Wide	230Vac 50HZ	0.80	T4	T3	18.04
XSF250P-00000	Flat	1 x 250 HP Sodium	Wide	230Vac 50HZ	1.30	T3	T3	19.64
XSF250G-00000	Pole	1 x 250 HP Sodium	Wide	230Vac 50HZ	1.30	T3	T3	20.24
XSF400P-00000	Flat	1 x 400 HP Sodium	Wide	230Vac 50HZ	2.10	T3	T3	21.25
XSF400G-00000	Pole	1 x 400 HP Sodium	Wide	230Vac 50HZ	2.10	T3	T3	21.85
XSF70P-0A000	Flat	1 x 70 HP Sodium	Narrow	230Vac 50HZ	0.40	T4	T3	17.04
XSF70G-0A000	Pole	1 x 70 HP Sodium	Narrow	230Vac 50HZ	0.40	T4	T3	18.04
XSF150P-0A000	Flat	1 x 150 HP Sodium	Narrow	230Vac 50HZ	0.80	T4	T3	17.04
XSF150G-0A000	Pole	1 x 150 HP Sodium	Narrow	230Vac 50HZ	0.80	T4	T3	18.04
XSF250P-0A000	Flat	1 x 250 HP Sodium	Narrow	230Vac 50HZ	1.30	T3	T3	19.64
XSF250G-0A000	Pole	1 x 250 HP Sodium	Narrow	230Vac 50HZ	1.30	T3	T3	20.24
XSF400P-0A000	Flat	1 x 400 HP Sodium	Narrow	230Vac 50HZ	2.10	T3	T3	21.25
XSF400G-0A000	Pole	1 x 400 HP Sodium	Narrow	230Vac 50HZ	2.10	T3	T3	21.85
XSF70P-0D000	Flat	1 x 70 HP Sodium	Wide	220Vac 60Hz	0.40	T4	T3	17.04
XSF70G-0D000	Pole	1 x 70 HP Sodium	Wide	220Vac 60Hz	0.40	T4	T3	18.04
XSF150P-0D000	Flat	1 x 150 HP Sodium	Wide	220Vac 60Hz	0.80	T4	T3	17.04
XSF150G-0D000	Pole	1 x 150 HP Sodium	Wide	220Vac 60Hz	0.80	T4	T3	18.04
XSF250P-0D000	Flat	1 x 250 HP Sodium	Wide	220Vac 60Hz	1.30	T3	T3	19.64
XSF250G-0D000	Pole	1 x 250 HP Sodium	Wide	220Vac 60Hz	1.30	T3	T3	20.24
XSF400P-0D000	Flat	1 x 400 HP Sodium	Wide	220Vac 60Hz	2.10	T3	T3	21.25
XSF400G-0D000	Pole	1 x 400 HP Sodium	Wide	220Vac 60Hz	2.10	T3	T3	21.85
XSF70P-0C000	Flat	1 x 70 HP Sodium	Narrow	220Vac 60Hz	0.40	T4	T3	17.04
XSF70G-0C000	Pole	1 x 70 HP Sodium	Narrow	220Vac 60Hz	0.40	T4	T3	18.04
XSF150P-0C000	Flat	1 x 150 HP Sodium	Narrow	220Vac 60Hz	0.80	T4	T3	17.04
XSF150G-0C000	Pole	1 x 150 HP Sodium	Narrow	220Vac 60Hz	0.80	T4	T3	18.04
XSF250P-0C000	Flat	1 x 250 HP Sodium	Narrow	220Vac 60Hz	1.30	T3	T3	19.64
XSF250G-0C000	Pole	1 x 250 HP Sodium	Narrow	220Vac 60Hz	1.30	T3	T3	20.24
XSF400P-0C000	Flat	1 x 400 HP Sodium	Narrow	220Vac 60Hz	2.10	T3	T3	21.25
XSF400G-0C000	Pole	1 x 400 HP Sodium	Narrow	220Vac 60Hz	2.10	T3	T3	21.85
XSF400P-0F000	Flat	1 x 400 HP Sodium	Wide	120Vac 60Hz	2.10	T3	T3	19.64
XSF400G-0F000	Pole	1 x 400 HP Sodium	Wide	120Vac 60Hz	2.10	T3	T3	20.24
XSF400P-0B000	Flat	1 x 400 HP Sodium	Narrow	120Vac 60Hz	2.10	T3	T3	21.25
XSF400G-0B000	Pole	1 x 400 HP Sodium	Narrow	120Vac 60Hz	2.10	T3	T3	21.85

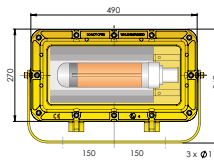
Floodlight fittings

HPS, MH or Halogen Floodlight fitting

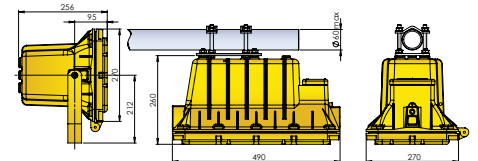
XSF, XQF, XEF - Zones 1, 2



XQF



XQF250P - flat mounting



XQF250G - pole mounting

Dimensional drawing

Technical specifications

Type	Mounting	Light Rating W	Beam	Rated Voltage V	Current A 230V	Temperature class		Weight kg
						-20°C to +40°C	-20°C to +55°C	
XQF Floodlight fitting								
XQF250P-00000	Flat	1 x 250 Metal Halide	Wide	230Vac 50HZ	1.30	T3	T3	19.64
XQF250G-00000	Pole	1 x 250 Metal Halide	Wide	230Vac 50HZ	1.30	T3	T3	20.24
XQF400P-00000	Flat	1 x 400 Metal Halide	Wide	230Vac 50HZ	2.10	T3	T3	21.25
XQF400G-00000	Pole	1 x 400 Metal Halide	Wide	230Vac 50HZ	2.10	T3	T3	21.85
XQF250P-0A000	Flat	1 x 250 Metal Halide	Narrow	230Vac 50HZ	1.30	T3	T3	19.64
XQF250G-0A000	Pole	1 x 250 Metal Halide	Narrow	230Vac 50HZ	1.30	T3	T3	20.24
XQF400P-0A000	Flat	1 x 400 Metal Halide	Narrow	230Vac 50HZ	2.10	T3	T3	21.25
XQF400G-0A000	Pole	1 x 400 Metal Halide	Narrow	230Vac 50HZ	2.10	T3	T3	21.85
XQF250P-0D000	Flat	1 x 250 Metal Halide	Wide	220Vac 60Hz	1.30	T3	T3	19.64
XQF250G-0D000	Pole	1 x 250 Metal Halide	Wide	220Vac 60Hz	1.30	T3	T3	20.24
XQF400P-0D000	Flat	1 x 400 Metal Halide	Wide	220Vac 60Hz	2.10	T3	T3	21.25
XQF400G-0D000	Pole	1 x 400 Metal Halide	Wide	220Vac 60Hz	2.10	T3	T3	21.85
XQF250P-0C000	Flat	1 x 250 Metal Halide	Narrow	220Vac 60Hz	1.30	T3	T3	19.64
XQF250G-0C000	Pole	1 x 250 Metal Halide	Narrow	220Vac 60Hz	1.30	T3	T3	21.25
XQF400P-0C000	Flat	1 x 400 Metal Halide	Narrow	220Vac 60Hz	2.10	T3	T3	21.85
XQF400G-0C000	Pole	1 x 400 Metal Halide	Narrow	220Vac 60Hz	2.10	T3	T3	22.05
XQF400P-0F000	Flat	1 x 400 Metal Halide	Wide	120Vac 60Hz	2.10	T3	T3	21.25
XQF400G-0F000	Pole	1 x 400 Metal Halide	Wide	120Vac 60Hz	2.10	T3	T3	21.85
XQF400P-0B000	Flat	1 x 400 Metal Halide	Narrow	120Vac 60Hz	2.10	T3	T3	21.45
XQF400G-0B000	Pole	1 x 400 Metal Halide	Narrow	120Vac 60Hz	2.10	T3	T3	22.05
XEF Floodlight fitting								
XEF110P-00000	Flat	2 x 55 Halogen	Wide	12Vac / Vdc	9.20	T5	T4	15.83
XEF110G-00000	Pole	2 x 55 Halogen	Wide	12Vac / Vdc	9.20	T5	T4	16.83
XEF140P-00000	Flat	2 x 70 Halogen	Wide	24Vac / Vdc	5.80	T5	T4	15.83
XEF140G-00000	Pole	2 x 70 Halogen	Wide	24Vac / Vdc	5.80	T5	T4	16.83

Technical information

Lamp installed

Tubular lamp, lampholder E40 or E27 for sodium and metal halide and H3 for Halogen version

Photometric curve

See page 6/10

Rated voltages

Ferromagnetic ballast: 230Vac 50Hz or 220Vac 60Hz or 120Vac 60Hz

Power factor

0,85 with compensated ballast

Terminal block (screws)

Jumped bar x2 terminal blocks
6mm²(rigid wire), 6mm² (flexible wire)
Terminals supplied L, N, PE (looping possible with one additional cable gland)

Cable entries

Two entries M20
For non- armoured cable: included one M20 nickel plated brass plug (EX-M20) and one M20 nickel plated brass cable gland, diameter 10-16mm (EXN04MLC2)

Casting

Marine grade aluminium alloy according to standard : EN 1706 : EN AC-AISi7 Mg 0,6 T6
Cataphoretically treated
Toughened glass 12mm

Colour of casting (standard)

● X.F****-0G000 - Yellow offshore, RAL 1003

Colour options:

● X.F****-B0000 - Grey, RAL 7035

● X.F****-C0000 - Black, RAL 9004

● X.F****-D0000 - Hammered Blue, RAL 5015

● X.F****-F0000 - Red, RAL 3001

● X.F****-G0000 - Blue, RAL 5010

● X.F****-J0000 - Green, RAL 6032

○ X.F****-M0000 - White, RAL 9010

Fixing (included)

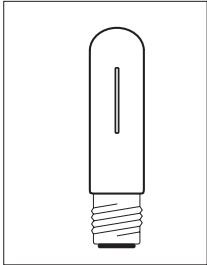
Galvanised steel flat mounting bracket yellow paint RAL1003
Pole mounted: diameter 40 to 60mm

Floodlight fittings

Accessories & spare parts

XSF, XQF, XEF - Zones 1, 2

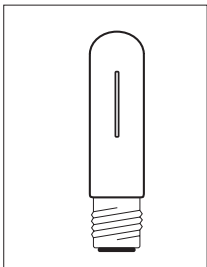
Lamps



High pressure sodium tubular lamps

Specifications:

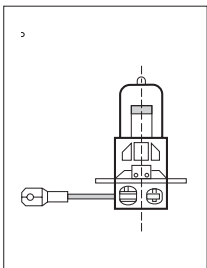
Colour temperature 2100°K
 CRI: 100 > 120 - lm/W: 100 to 120
 Average operating life: 15 000 to 20 000 hours
 Minimum starting temperature: -30°C
 Time to full power: 1 to 10mm with control gear & ignitor



Metal halide tubular lamps

Specifications:

Colour temperature 4300 to 4600°K
 CRI: 65 - lm/W: 100 to 120
 Average operating life: 3000 to 6000 hours
 Minimum starting temperature: -25°C
 Time to full power: 5 to 10mm with control gear & ignitor



Halogen lamps

Specifications:

Colour temperature 3000°K
 CRI: 100 - lm/W: 25
 Average operating life: 1000 hours

Type	Power W	Lumen output lm	Lampholder
P00670SHP	70	6000	E40
P006150SHP	150	15000	E40
P006250SHP	250	28000	E40
P006400SHP	400	48000	E40
P006250IM	250	20000	E40
P006400IM	400	42000	E40

Type	Power W	Lumen output lm	Lampholder
P006250IM	250	20000	E40
P006400IM	400	42000	E40

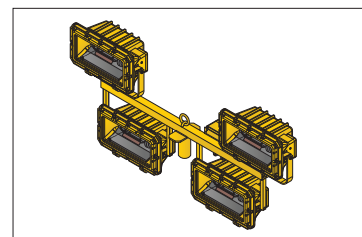
Type	Power W	Lumen output lm	Lampholder
E00755W	55	1350	H3
E007	70	1770	H3

Brackets



Forks

Type	Specifications
P017C	Galvanised steel mounting bracket forks with screws, yellow painting RAL1003
P017INOXC	Stainless steel 316L flat mounting bracket forks with screws
P017FC	Galvanised steel U-shaped mounting bracket forks with screws, yellow painting RAL1003



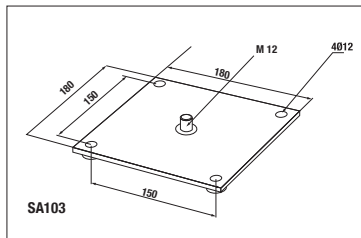
XHM Pre wired masthead

Type	Specifications
XHM2400	Pre wired masthead with - 2 HP sodium floodlights XSF400P with ferromagnetic ballast 230Vac 50Hz, LCIE 00 ATEX 6019X, IECEx LCI 11.0062X, Ex II 2 G, Ex de IIB T3 Gb for -20°C to 40°C, Ex de IIB T3 Gb for -20°C to 55°C
XHM4400	Pre wired masthead with 4 HP sodium floodlights XSF400P with ferromagnetic ballast 230Vac 50Hz, LCIE 00 ATEX 6019X, IECEx LCI 11.0062X, Ex II 2 G, Ex de IIB T3 Gb for -20°C to 40°C, Ex de IIB T3 Gb for -20°C to 55°C

Floodlight fittings

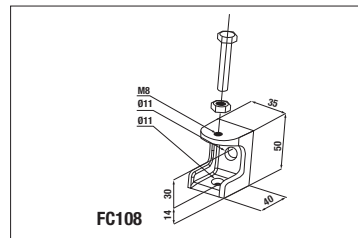
Accessories & spare parts

XSF, XQF, XEF - Zones 1, 2



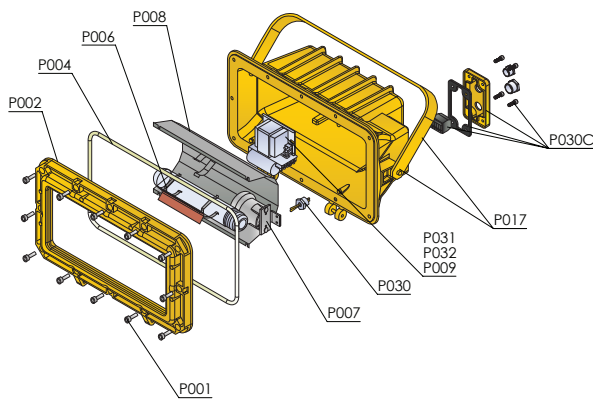
Mounting bracket clip

Type	Specifications
SA103	Galvanised steel plate for floodlight



Mounting clamp

Type	Specifications
FC108	Clamp for beam mounting



Slings for floodlight

Type	Specifications
SC100ELINGUE	Slings for floodlight

Spare parts

Type	Specifications
P001	Closing Screw for Floodlight (per 12)
P002	Sealed front glass
P004	Gasket
4GRA00001-01	Grease
P007	Lampholder E40 for floodlight
P008	Reflector for floodlight wide beam
P030	Ex connector
P031150W23050	Ferromagnetic ballast 230Vac 50Hz - 1 capacitor - ignitor - fixing plate for floodlight XSF150
P031250W23050	Ferromagnetic ballast 230Vac 50Hz - 1 capacitor - ignitor - fixing plate for floodlight XSF250, XQF250
P031400W23050	Ferromagnetic ballast 230Vac 50Hz - 1 capacitor - ignitor - fixing plate for floodlight XSF400, XQF400
P03170W23050	Ferromagnetic ballast 230Vac 50Hz - 1 capacitor cable support - ignitor - fixing plate for floodlight XSF70
P009150W60	Ferromagnetic ballast 220Vac 60Hz for floodlight XSF150, XQF150
P032S15060	1 capacitor 18UF cable support - 220V 60Hz - for floodlight XSF150, XQF150
P009250W60	Ferromagnetic ballast 220V 60Hz for floodlight XSF250, XQF250
P032S25060	1 capacitor 25UF cable support - 220V 60Hz - for floodlight XSF250, XQF250
P009400W60	Ferromagnetic ballast 220V 60Hz for floodlight XSF400, XQF400
P032S40060	2 capacitors 20UF cable support - 220V 60Hz - for floodlight XSF400, XQF400
P010	Ferromagnetic ballast 120Vac 60Hz for floodlight XSF400, XQF400, SF400, QF400
P012	Ignitor for 230Vac 50Hz for floodlight XSF70, XSF150, XSF250, XSF400, XQF150, XQF250, XQF400, SF150, SF250, SF400, QF150, QF250, QF400
E008C	Gear tray support with fixing for optic and optic for floodlight XEF
P030C	Accessories for junction box in floodlight: terminal 2x6mm ² + earthing terminal + cover gasket + cover + screw of cover
EXN04MLC2-01	Kit M20 Exd Exe IIC Ex-td nickel plated cable gland for non armoured cable diameter 10,0-16,0mm, locknut, sealing gasket
EXN04MMC1-01	Kit M20 Ex-d IIC Ex-e II Ex-td double compression nickel plated cable gland for armoured cable diameter inner 6-12 outer 8,5-16, locknut, sealing gasket