

## Floodlight fittings







XSF, XQF, XEF HPS, MH or Halogen floodlight fitting - zones 1, 2, 21 & 22



### Features

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

### XSF, XQF, XEF HPS, MH or Halogen floodlight fitting

Approvals & certifications	Specifications	Standards
     	<p>Manufactured from marine grade aluminum alloy - copper free</p> <p>Toughened borosilicate glass - thickness 12mm</p> <p>Rated voltage standard: 230Vac 50Hz - option: 220Vac 60Hz or 120Vac 60Hz depending on models - ferromagnetic ballast</p> <p>2x entries M20</p>	<p><b>Approved to:</b></p> <ul style="list-style-type: none"> <li>EN 60079-0: General requirements</li> <li>EN 60079-1: Flameproof enclosure “d”</li> <li>EN 60079-31: Enclosure “t”</li> <li>EN 60079-7: Increased safety “e”</li> </ul> <p><b>ATEX Directive (2014/34/EU)</b></p> <ul style="list-style-type: none"> <li>LCIE 00 ATEX 6019X</li> <li>IEC Ex LCIE 11.0062X</li> <li>Ex II 2 G</li> <li>Ex de IIB T3 or T4 or T5 Gb for -20°C to +40°C</li> <li>Ex de IIB T4 or T3 Gb for -20°C to +55°C</li> <li>Ex II 2 D</li> <li>Ex tb IIIC T100°C or T135°C or T200°C Db IP66 for -20°C to + 40°C</li> <li>Ex tb IIIC T200°C or T135°C Db IP66 for -20°C to + 55°C</li> </ul> <p><b>EMC Directive (2014/30/EU)</b></p> <ul style="list-style-type: none"> <li>EN 55015: Conducted emission test and radiated emission test</li> <li>EN 61547 : CEM immunity</li> <li>EN 61000-3-2: Harmonic current Emissions Class C</li> <li>EN 61000-3-3: Limitation of voltage changes and flickers</li> </ul> <p><b>Low voltage Directive (2014/35/EU)</b></p> <ul style="list-style-type: none"> <li>EN 60598-1: Luminaire general requirements and tests, including dielectric strength and isolation resistance</li> </ul> <p><b>Operating temperature:</b> -20°C to +55°C</p> <p><b>IP test:</b> IEC 60529: IP66</p> <p><b>Impact protection index:</b> IEC 62262: IK10</p>
<p>01 Pre installed lamp</p> <p>02 Cable gland &amp; stopping plug supplied</p>	<p>01</p> <p>02</p>	



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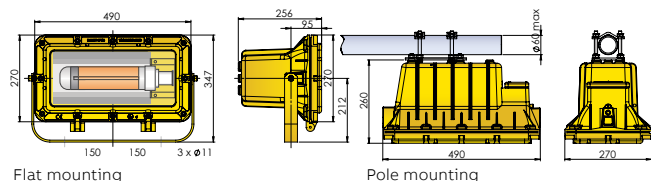
XSF, XQF, XEF HPS, MH or Halogen floodlight fitting - zones 1, 2, 21 & 22



### XSF HPS Floodlight fitting

- HP Sodium fitting
- Wide Beam
- Suitable for use in Zones 1, 2, 21, 22

#### Dimensions



### XSF HPS Floodlight fitting

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	
<b>XSF floodlight - High Pressure Sodium - wide beam - 230V 50Hz</b>								
XSF150P-00000	Flat	1 x 150 HP Sodium	Wide	230Vac 50HZ	0.80	T4 - T135°C	T3 - T200°C	17.00
XSF150G-00000	Pole	1 x 150 HP Sodium	Wide	230Vac 50HZ	0.80	T4 - T135°C	T3 - T200°C	18.00
XSF250P-00000	Flat	1 x 250 HP Sodium	Wide	230Vac 50HZ	1.30	T3 - T200°C	T3 - T200°C	19.00
XSF250G-00000	Pole	1 x 250 HP Sodium	Wide	230Vac 50HZ	1.30	T3 - T200°C	T3 - T200°C	20.00
XSF400P-00000	Flat	1 x 400 HP Sodium	Wide	230Vac 50HZ	2.10	T3 - T200°C	T3 - T200°C	21.00
XSF400G-00000	Pole	1 x 400 HP Sodium	Wide	230Vac 50HZ	2.10	T3 - T200°C	T3 - T200°C	22.00
<b>XSF floodlight - High Pressure Sodium - wide beam - 220V 60Hz</b>								
XSF150P-0D000	Flat	1 x 150 HP Sodium	Wide	220Vac 60Hz	0.80	T4 - T135°C	T3 - T200°C	17.04
XSF150G-0D000	Pole	1 x 150 HP Sodium	Wide	220Vac 60Hz	0.80	T4 - T135°C	T3 - T200°C	18.04
XSF250P-0D000	Flat	1 x 250 HP Sodium	Wide	220Vac 60Hz	1.30	T3 - T200°C	T3 - T200°C	19.00
XSF250G-0D000	Pole	1 x 250 HP Sodium	Wide	220Vac 60Hz	1.30	T3 - T200°C	T3 - T200°C	20.00
XSF400P-0D000	Flat	1 x 400 HP Sodium	Wide	220Vac 60Hz	2.10	T3 - T200°C	T3 - T200°C	21.00
XSF400G-0D000	Pole	1 x 400 HP Sodium	Wide	220Vac 60Hz	2.10	T3 - T200°C	T3 - T200°C	22.00

#### Technical information

<b>Lamp (installed)</b>	Tubular lamp, lampholder E40 for sodium and metal halide and H3 for Halogen version
<b>Photometric curve</b>	See page 189
<b>Rated voltages</b>	Ferromagnetic ballast: 230Vac 50Hz or 220Vac 60Hz
<b>Power factor</b>	0.85 with compensated ballast
<b>Dielectrical class</b>	I
<b>Grounding system</b>	TNS, TNC, TT, IT neutral system
<b>External grounding lug</b>	Screw M4x20 (stainless steel 316L) (nearby to cable gland)

#### Technical information

<b>Terminal block (screws)</b>	Jumped bar x2 terminal blocks 6mm <sup>2</sup> (rigid wire), 6mm <sup>2</sup> (flexible wire) Terminals supplied L, N, PE (looping possible with one additional cable gland)
<b>Cable entries</b>	Two entries M20
<b>For non-armoured cable:</b>	included one M20 nickel plated brass plug (EX-M20) and one M20 nickel plated brass cable gland, diameter 10-16mm (EXN04MLC2)
<b>Housing</b>	Marine grade aluminum alloy according to standard EN 1706 Thougtened glass 12mm
<b>Colour of casting (std) (option)</b>	● X*F****-00000 - Yellow offshore, RAL 1003 ● X*F****-B0000 - Grey, RAL 7035
<b>Fixing (included with product)</b>	Galvanised steel flat mounting bracket yellow paint RAL1003 Pole mounted: diameter 40 to 60mm

## Floodlight fittings

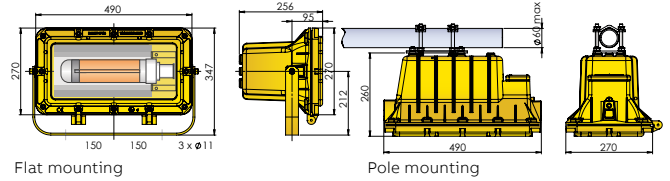
XSF, XQF, XEF HPS, MH or Halogen floodlight fitting - zones 1, 2, 21 & 22



### XQF Metal Halide & XEF Halogen Floodlight fitting

- Metal Halide & Halogen fittings
- Wide Beam
- Suitable for use in Zones 1, 2, 21, 22

Dimensions



### XQF Metal Halide & XEF Halogen Floodlight fitting

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	
<b>XQF floodlight - Metal Halide - wide beam - 230V 50Hz</b>								
XQF250P-00000	Flat	1 x 250 Metal Halide	Wide	230Vac 50HZ	1.30	T3 - T200°C	T3 - T200°C	19.00
XQF250G-00000	Pole	1 x 250 Metal Halide	Wide	230Vac 50HZ	1.30	T3 - T200°C	T3 - T200°C	20.00
XQF400P-00000	Flat	1 x 400 Metal Halide	Wide	230Vac 50HZ	2.10	T3 - T200°C	T3 - T200°C	21.00
XQF400G-00000	Pole	1 x 400 Metal Halide	Wide	230Vac 50HZ	2.10	T3 - T200°C	T3 - T200°C	22.00
<b>XQF floodlight - Metal Halide - wide beam - 220V 60Hz</b>								
XQF250P-0D000	Flat	1 x 250 Metal Halide	Wide	220Vac 60Hz	1.30	T3 - T200°C	T3 - T200°C	19.00
XQF250G-0D000	Pole	1 x 250 Metal Halide	Wide	220Vac 60Hz	1.30	T3 - T200°C	T3 - T200°C	20.00
XQF400P-0D000	Flat	1 x 400 Metal Halide	Wide	220Vac 60Hz	2.10	T3 - T200°C	T3 - T200°C	21.00
XQF400G-0D000	Pole	1 x 400 Metal Halide	Wide	220Vac 60Hz	2.10	T3 - T200°C	T3 - T200°C	22.00
<b>XEF floodlight - Halogen - wide beam - 24Vdc 60Hz</b>								
XEF140P-00000	Flat	2 x 70 Halogen	Wide	24Vac / Vdc	6	T5 - T100°C	T4 - T135°C	16.00
XEF140G-00000	Pole	2 x 70 Halogen	Wide	24Vac / Vdc	6	T5 - T100°C	T4 - T135°C	17.00

#### Technical information

Lamp (installed)	Tubular lamp, lampholder E40 for sodium and metal halide and H3 for Halogen version
Photometric curve	See page 189
Rated voltages	Ferromagnetic ballast: 230Vac 50Hz or 220Vac 60Hz
Power factor	0.85 with compensated ballast
Dielectrical class	I
Grounding system	TNS, TNC, TT, IT neutral system
External grounding lug	Screw M4x20 (stainless steel 316L) (nearby to cable gland)

#### Technical information

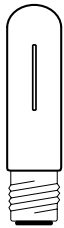
Terminal block (screws)	Jumped bar x2 terminal blocks 6mm <sup>2</sup> (rigid wire), 6mm <sup>2</sup> (flexible wire) Terminals supplied L, N, PE (looping possible with one additional cable gland)
Cable entries	Two entries M20
For non-armoured cable:	included one M20 nickel plated brass plug (EX-M20) and one M20 nickel plated brass cable gland, diameter 10-16mm (EXN04MLC2)
Housing	Marine grade aluminum alloy according to standard EN 1706 Thougtened glass 12mm
Colour of casting (std) (option)	● X*F****-00000 - Yellow offshore, RAL 1003 ● X*F****-B0000 - Grey, RAL 7035
Fixing (included with product)	Galvanised steel flat mounting bracket yellow paint RAL1003 Pole mounted: diameter 40 to 60mm

## Floodlight fittings - accessories

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### Lamps

#### High pressure sodium tubular lamps



Type	Power W	Lumen output lm	Lampholder
P006150SHP	150	15000	E40
P006250SHP	250	28000	E40
P006400SHP	400	48000	E40

#### Specifications

Colour temperature:  
2100°K

CRI: 100 > 120

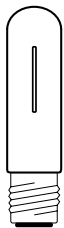
lm/W: 100 to 120

Average operating life:  
15000 to 20000 hours

Minimum starting temperature:  
-30°C

Time to full power: 1 to 10mm with  
control gear & ignitor

#### Metal halide tubular lamps



Type	Power W	Lumen output lm	Lampholder
P006150IM	150	14500	E40
P006250IM	250	20000	E40
P006400IM	400	42000	E40

#### Specifications

Colour temperature:  
4300 to 4600°K

CRI: 65

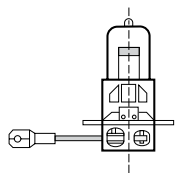
lm/W: 100 to 120

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 Bipin T8 fluorescent lamps



Type	Power W	Lumen output lm	Lampholder
E007	70	1 770	H3

#### Specifications

Colour temperature:  
White industry 4000°K

CRI: > 100

lm/W: 25

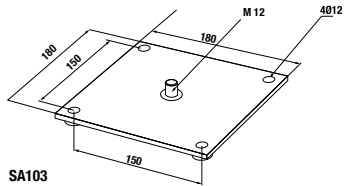
Average operating life:  
1000 hours

## Floodlight fittings - accessories

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### Fixing accessories\*

Brackets	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

Mounting bracket clip	Type	Specifications
 <p>SA103</p>	SA103	Galvanised steel plate for floodlight

Mounting clamp	Type	Specifications
 <p>FC108</p>	FC108	Clamp for beam mounting

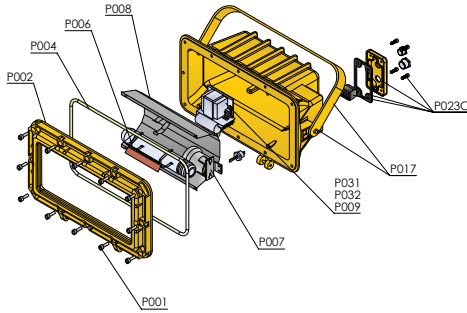
\* Screws and locknuts supplied

Sling for floodlight	Type	Specifications
	SC100ELINGUE	Sling for floodlight

## Floodlight fittings - spare parts

XSF, XQF, XEF HPS, MH or Halogen floodlight fitting - zones 1, 2, 21 & 22

### Spare parts



	Type	Specifications
	P001	Closing Screw for Floodlight (per 12)
	P004	Gasket
	P007	Lampholder E40 for floodlight
	P008	Reflector for floodlight wide beam
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
P009150W60	Ferromagnetic ballast 220Vac 60Hz	for floodlight XSF150, XQF150
P032S15060	1 capacitor 18UF cable support - 220Vac 60Hz -	for floodlight XSF150, XQF150
P009250W60	Ferromagnetic ballast 220Vac 60Hz	for floodlight XSF250, XQF250
P032S25060	1 capacitor 25UF cable support - 220Vac 60Hz	for floodlight XSF250, XQF250
P009400W60	Ferromagnetic ballast 220Vac 60Hz	for floodlight XSF400, XQF400
P032S40060	2 capacitors 20UF cable support - 220Vac 60Hz	for floodlight XSF400, XQF400
P010	Ferromagnetic ballast and capacitor	for floodlight XSF400, XQF400
E008C	Gear tray support with fixing for optic and optic for floodlight	XEF
P023C	Accessories for junction box in floodlight: terminal 2x6mm <sup>2</sup> + earthing terminal + cover gasket + cover + screw of cover	
EXN04MLC2K	Kit M20 Exd Exe IIC Ex-td nickel plated cable gland for non armoured cable	diameter 10-16mm, locknut, sealing gasket
EXN04MMC1K	Kit M20 Ex-d IIC Ex-e II Ex-td double compression nickel plated cable gland	for armoured cable diameter inner 6-12 outer 8.5-16mm locknut, sealing gasket