



Electrical safety equipment
for hazardous areas

Thomas & Betts

Hazardous area lighting

EVS EExe GRP Fluorescent



Zone 1,2 & Safe Area
Ex II 2 G and D
IP6x T6 (85°C) for D
EExeds IIC T4 – IP66

- 18W, 36W & 58W
- 220 to 240VAC, 50/60Hz
- Automatic switch off on opening
- Fully removable control gear in hazardous environments.
- BV Approved
- GOST under certification request

Options:

- 120 to 240VAC dual ballast(18W, 36W only)
- Through wiring
- Emergency 1.5 hours (or 3 hours with battery monitoring)
- Economy version
- Mounting Accessories

Hazardous area lighting

EVS EExn GRP Fluorescent

- 18W, 36W & 58W
- 220 to 240VAC, 50/60Hz



Zone 2

Ex II 3 G and D

IP6x T6 (85°C) for D

EExnR IIC T4 – IP66

Options:

- 120 to 240VAC dual ballast(18W, 36W only)
- Automatic switch off on opening
- Through wiring
- Emergency 1.5 hours (or 3 hours with battery monitoring)
- Mounting Accessories

Hazardous area lighting

EVD Combustible Dust GRP Fluorescent



Zone 21+Zone 22

Ex II 2 D

IP6x T6 (85°C) – IP66

- 18W, 36W & 58W
- 220 to 240VAC, 50/60Hz

Options:

- 120 to 240VAC dual ballast(18W, 36W only)
- Through wiring
- Emergency 1.5 hours (or 3 hours with battery monitoring)
- Mounting Accessories

Hazardous area lighting

ESB EExe Recessed Fluorescent



Zone 1, 2 & Safe Area
Ex II 2 D
IP6x T6 (85°C) – IP66

- 18W, 36W & 58W
- 220 to 240VAC, 50/60Hz
- Automatic switch off on opening

Options:

- 120 to 240VAC dual ballast(18W, 36W only)
- Through wiring
- Emergency 3 hours with battery monitoring on 18W and 36W
- Frosted glass

Hazardous area lighting

XFF – XFR EExd Fluorescent



Zone 1, 2 & Safe Area
Ex II 2 G and D
EExd IIC T6 – IP66/67

- 18W, 36W, 58W, 36WPL, 55WPL
- 230VAC, 50Hz

Options:

- 110 to 240VAC, 50Hz or 60Hz
- Electronic ballast
- Emergency 1.5 hours
- Isolating switch on XFP series
- Mounting Accessories

Hazardous area lighting

XEL EExd Exit Sign



Zone 1, 2 & Safe Area
Ex II 2 G
EExd IIC T6 – IP66/67

- 8W
- 230VAC, 50Hz/60Hz

Options:

- Other supply voltages on request
- Emergency 3 hours on XEL 300/1 and 300/2
- Adhesive “Exit” signs
- Isolating switch
- Mounting Accessories

Hazardous area lighting

XEL - XFR EExd Glass Level Fluorescent



Zone 1, 2 & Safe Area
Ex II 2 G and D
EExd IIC T6 – IP66/67

- 8W, 18W, 36W, 58W
- 230VAC, 50Hz

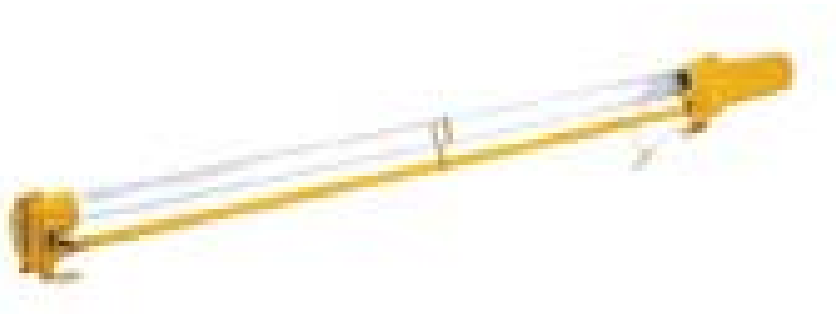
Options:

- 110VAC to 240VAC, 50Hz or 60Hz
- Electronics ballast
- Isolating switch on XFP series
- Mounting Accessories



Hazardous area lighting

XFF EExd Derrick Fluorescent



- 8W, 18W, 36W
- 220VAC, 60Hz
- Safety sling

Zone 1, 2 & Safe Area
EExd IIB T6 – IP66/67

Options:

- 230VAC, 50Hz
- 127VAC, 60Hz
- Mounting Accessories

Hazardous area lighting

XSF EExd Floodlight



- 70W, 150W, 250W, 400W, 500W, 1000W HPS/MH/TH
- 230/240VAC, 50Hz
- Corrosion resistant
- Lightweight
- BV Approved

Options:

- 220VAC, 60Hz
- 120VAC, 60Hz Internal transformer (400W)
- Safety wire
- Horizontal steel shade (For helideck & drill floor areas)
- Street lighting version

Zone 1, 2 & Safe Area

Ex II 2

EExd IIB T5 to T1 – IP66

Hazardous area lighting

XHF 24V EExd Portable Floodlight & Helideck Floodlight



- 1 x 70W, 1 x 55W Tungsten Halogen
- 12/24 VAC/DC
- Corrosion resistant
- Lightweight
- Adjustable base plate

Options:

- Stainless steel wireguard

Zone 1, 2 & Safe Area
EExd IIB T4 – IP66

Hazardous area lighting

XFB EExd Beacon, Obstruction & Helideck Floodlight



Zone 1, 2 & Safe Area
EExd IIB T6 to T4 – IP66

- Warning light, helideck perimeter and obstruction light
- 40W GLS, 11WPL
- 30J Xenon Flash
- 230/240VAC, 50/60Hz

Options:

- 24VDC, 48VDC, 110VAC/DC 50/60Hz
- Clear, red, blue, amber and green
- Stainless steel wireguard
- Coupling arrangement

Hazardous area lighting

EVX EExd Wellglass



- 100W, 200W, 300W GLS
- 70W/80W, 125W, 250W, 400W HPS/Mercury
- 250W, 400W MH
- 230VAC, 50Hz

Options:

- Wall ceiling pole mounted, pendant

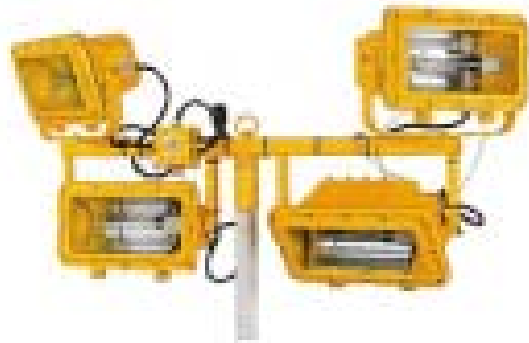
Zone 1, 2 & Safe Area

Ex II 2 G

EExd IIC T6 to T3 – IP65

Hazardous area lighting

XHM Masthead Floodlighting System



Zone 1, 2 & Safe Area
EExd IIB T3 – IP66

- 400W HPS/MH
- 230VAC, 50Hz
- Corrosion resistant galvanised steel
- Prewired complete with 2 or 4 Exd floodlights
- 1 x junction box & safety sling

Options:

- 220VAC, 60Hz
- 120VAC, 60Hz
- Horizontal steel shades

Prewired lighting mast head complete with 2 or 4 Exd floodlights suitable for 62mmdiameter columns

Hazardous area lighting

EVB EExd Portable Handlamp



- 40W to 100W GLS
- 230VAC, 50/60Hz
- Stainless steel wireguard

Options:

- 24, 100/230V AC/DC, 50/60Hz
- Pendant hook

Zone 1, 2 & Safe Area
EExd IIC T4 – IP66

Boxes and control panels

XB/XBL/XBi EExe Junction Boxes



Zone 1, 2

Ex 2 G & D, IP6X T6

(85°C for D)

EExe, EExed IIC T4 or T6

EExia IIC T6

- Aluminium, GRP or Stainless steel
- Stainless steel unlosable screws
- Special configuration on request

Boxes and control panels

SRC/EFDC EExd Control Stations



Zone 1, 2 & Safe Area
Ex II 2 G
EExd IIC T6 – IP56

- Push button
- Emergency stop with / without key, breakglass
- Switch, ammeter
- Voltmeter, timer & photocell

Options:

- Lamp colour: Green, amber, blue red & clear
- Push button colour: Black, red & green

Boxes and control panels

EJB Lighting / Motor Starter Control Panel



- 6 to 12 ways busbar with circuit breakers and terminal block
- Enclosure EJB0 to EJB13: details on request
- Stainless steel hinged doors and screws
- Special configuration on request

Zone 1, 2 & Safe Area
Ex II 2 G
EExd IIB T6 – IP56



Marine, waterproof & submersible lighting

EVT Marine Fluorescent



Safe Area
IP66

- 18W, 36W, 58W
- Enclosure EJB0 to EJB13: details on GRP body and polycarbonate diffuser
- 230VAC, 50Hz

Options:

- Range of voltages
- Electronic ballast
- Emergency 1.5hours
- Automatic switch off on opening
- Mounting accessories



Marine, waterproof & submersible lighting

FF-FR Marine Fluorescent



Safe Area
IP66

- 8W, 18W, 36W, 58W
- PL 11W, 18W, 36W & 55W
- Impact resistant polycarbonate tube
- 230VAC, 50Hz

Options:

- External guard
- Pole mounting bracket
- Range of voltages
- Emergency 1.5hours



Marine, waterproof & submersible lighting

FB-FL Marine Fluorescent



Safe Area
IP66

- Corrosion resistant
- 40W, 60W GLS, PL11W
- 30J Xenon flash
- 230/240VAC, 50/60Hz

Options:

- 24VDC, 48VDC, 110VAC/DC 50/60Hz
- Coloured globe, clear, red, blue, green and amber
- Stainless steel wireguard
- Coupling arrangement