

# ATX™ FD Series Cylindrical Fluorescent Luminaires

## Standard and Emergency Battery Back-Up. Flameproof

ATEX/IECEX:  
Zone 1 and 2 - 21 and 22  
Ⓢ II 2 GD  
IP66/68

FLUORESCENT/AREA: ATEX/IECEX STANDARD AND EMERGENCY BACK-UP

### Applications

- Can be installed in hazardous areas designated as Zone 1 and 2 – 21 and 22.
- For use in locations where a high degree of corrosion resistance is required.
- For indoor/outdoor use where protection against dirt, water and moisture is necessary.
- Typical applications include:
  - Oil refineries
  - Petrochemical facilities
  - Pulp and paper, mills
  - Painting, sewage and water treatment facilities
  - Warehouses
  - Underground tunnels
  - General manufacturing facilities

### Features

- Impact resistant borosilicate glass sealed tube.
- Easy access to lamps through gray painted Zamak threaded entry cap.
- Supplied with O-ring for improved ingress protection.
- Corrosion-resistant gray painted Zamak.
- Supplied with energy efficient and self induction ferromagnetic ballast on a removable gear tray.
- Quick and easy installation of fluorescent lighting fixtures with 2G11 and G13 lamp holders.
- Supplied with external and internal ground/earth connection.
- Fixture supplied with one M20 blanking plug.
- Easy connection to wire and disconnect with plug-in terminal blocks.
- Bi-pin (G13) 18 and 36 W magnetic ballast versions operate at 70 °C (158°F) ambient temperature with T4 rating.
- Magnetic ballast versions 230 V 50 Hz or 240 V 50 Hz or 220 V 60 Hz or 230 V 60 Hz.
- Electronic ballast versions 110 to 254 Vac/Vdc, 50/60 Hz.
- 3 hour emergency version with automatic self test every month
- Plug in battery pack (6 V 4 Ah) is easy to remove for maintenance.

### Standard Materials

- End caps and cover: aluminum
- Glass tube: tempered borosilicate glass (18 W), or borosilicate glass (36 W and 58 W)
- Internal reflector: white powder coated galvanized steel
- Mounting accessories: several accessories in different material such as zinc plated steel, galvanized steel or 316 stainless steel

### Options

- 3 lamp versions.
- 8 W fluorescent (Bi-pin G5) available, see section HBDC series.



2 x 58 W



2 x 36 W



2 x 18 W

### ATEX/IECEX Certifications and Compliances

- Certification Type: FLd
  - Gas: Zone 1 and 2:
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex d IIB, Ex d IIB+H<sub>2</sub>, Ex d IIC
    - T-Rating: See Table on following page
  - Dust: Zone 21 and 22:
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: See Table on following page
- Ambient Temperature: -20 °C to +55 °C (-4 °F to +131 °F)
- CE Declaration of Conformity: 50203
- ATEX Certificate: LCIE 97 ATEX 6012
- IECEx Certificate: IECEx LCI 04.0018
- Index of Protection according EN/IEC 60529: IP66/68
- Impact Resistance (shock): IK08
- Internal Volume: > 2 dm<sup>3</sup> (122 in<sup>3</sup>) - 2 liters

### EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00910

### Other Certification

- INMETRO Certificate: BVC11.0492 ①

### Related Products

- For labels see *Labels for Emergency Lighting Units*, *ATX Self-Adhesive Signaling Labels for Emergency Lighting Units*.

① Inmetro certification available on special request only. Contact your local sales representative for more information.