

ATX FDLED LED

Area/Task Lighting; Flameproof

Appleton ATX FDLED Series LED luminaires provide standard and emergency lighting in hazardous areas designated as Zone 1, 2, 21 and 22. These units are entirely self-contained in a flameproof enclosure, with borosilicate glass for increased protection in high-corrosion environments. A thermal heating cable is included on the low temperature model for reliable performance in -60°C (-76°F) ambient environments



Features



4725 lm
(IIB)



2400 lm
(IIB+H₂)



400 lm
(IIC)



Impact resistant borosilicate glass sealed tube



High impact resistance: 4J on glass and 7J on metal parts



Aluminum end caps and cover feature gray, anti-corrosion finish

ATX FDLED LED *(continued)*

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Product Selection Key

| Certifications | | | | | | | | | | | | | | Emergency Battery Backup | Ordinary Location |
|----------------|------------|--------|--------|------------|------------|---------|---------|---------|-----------|------------|--------|---------|---------|--------------------------|-------------------|
| NEC/CEC | | | | | | | | | | ATEX/IECEx | | | | | |
| Class I | | | | Class II | | | | | Class III | Zone 1 | Zone 2 | Zone 21 | Zone 22 | | |
| Division 1 | Division 2 | Zone 1 | Zone 2 | Division 1 | Division 2 | Zone 20 | Zone 21 | Zone 22 | | | | | | | |
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ATEX/IECEx Certifications

- Certification Type FDLED
 - Gas: Zone 1 and 2:
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
 - Type of Protection: Ex d IIB (4725 lm version), Ex d IIB+H₂ (2400 lm version), Ex d IIC (400 lm version)
 - Temperature Class: T6
 - Dust: Zone 21 and 22:
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
 - Type of Protection: Ex tb IIIC
 - Surface Temperature:
 - +75°C (+167°F) (400 lm version)
 - +80°C (+176°F) (2400 and 4725 lm version)
- Ambient Temperature: -55°C to +60°C (-67°F to +140°F)
- CE Declaration of Conformity: 50312-02
- ATEX Certificate: INERIS 15 ATEX 0042X
- IECEx Certificate: IECEx INE 15.0046X
- Index of Protection according EN/IEC 60529: IP66/68
- Impact Resistance (shock): IK09 (400 and 2400 lm version), IK08 (4725 lm version)
- Internal Volume: > 2 dm³ (122 in³) - 2 liters

Specifications

| Features | Specifications |
|--------------------------------------|---|
| Voltage: | 48/110/220V DC; 230V AC 50Hz 110-254V AC, 50/60 Hz |
| Retrofit Equivalents: | 1x18W - 2x36W Fluorescent |
| Lumens: | 400 - 4,725 |
| Efficacy: | Up to 103 lm/w |
| Color Temperatures: | 5650K |
| CRI: | 70+ |
| Ambient Temperature: | -55°C to +60°C (-67°F to +140°F) |
| LED Lumen Depreciation (L70): | 60,000+ hours |
| Replaceable Components: | LED Driver, Borosilicate Glass |