FEDERAL SIGNAL

Models FB2LEDX, FB2LEDX-CN, FB2LEDX-QC, and FB2LEDX-QC-S

Fireball® Hazardous Location LED Warning and Status Indicator Lights

The FB2LEDX family consists of single and multicolor models that can be used for both long distance signaling and status indication. All models are available in 12-24 Vdc and 120-240 Vac and feature three flash patterns (60 FPM, simulated strobe, and steady).

The zinc diecast alloy base features an integrated 1/2-inch NPT pipe mount and three holes required for surface mount configurations. An optional hazardous location wall mount-bracket is sold separately. All models come with a stainless steel wire guard for added protection, and they are designed to protect against corrosion, vibration, water- and dust-ingress, and high-pressure and temperature spray-downs. These units are ideal in harsh and hazardous applications, including industrial warning, process control, status indication, food processing, and oil and gas environments.

c UL us CE LENS COLOR OPTIONS

FEATURES

- Available in 12-24 Vdc or 120-240 Vac
- FB2LEDX: 60 FPM, 120 FPM and Steady on
- FB2LEDX-QC: 60 FPM, Simulated Strobe and Steady on
- Single color FB2LED models are available with Amber, Blue, Clear, Green, or Red LEDs/lens
- Multicolor FB2LED-QC warning lights are available with a clear, fresnel lens and four colors (Amber, Blue, Green, and Red) in one unit
- Multicolor FB2LED-QC-S status indicator lights are available with a clear, opaque lens and four colors (Amber, Blue, Green, and Red) in one unit
- PLC compatible - works with standard PLC relay output cards or standard sourcing modules, and can be programmed and managed through PLC software
- Stainless steel wire guard
- 50,000-hour LED
- Integrated 1/2-inch NPT pipe and surface mount
- Indoor/outdoor use
- Type 4X, IP66 enclosure
- IP67, IP69K compliant
- CE certified (FB2LEDX-QC only)
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- UL and cUL Listed for Class I, Zone 2, AEx nA IIC Gc; Class II, Zone 22 AEx tc IIIC Dc (FB2LEDX-CN Models Only)

MODEL	VOLTAGE	OPERATING CURRENT	LIGHT OUTPUT	MOUNT
FB2LEDX-012-024*	12-24 Vdc	0.48-0.24 A	300 cd	1/2-inch NPT Pipe/Surface
FB2LEDX-120-240*	120-240 Vac 50/60 Hz	0.03 A	300 cd	1/2-inch NPT Pipe/Surface
FB2LEDX-QC-012-024	12-24 Vdc	0.32-0.17 A	200 cd	1/2-inch NPT Pipe/Surface
FB2LEDX-QC-120-240	120-240 Vac 50/60 Hz	0.055 A	200 cd	1/2-inch NPT Pipe/Surface
FB2LEDX-QC-012-024-S	12-24 Vdc	0.32-0.17 A	17 cd	1/2-inch NPT Pipe/Surface
FB2LEDX-QC-120-240-S	120-240 Vac 50/60 Hz	0.055 A	17 cd	1/2-inch NPT Pipe/Surface

* Indicates color: (A) Amber, (B) Blue, (C) Clear, (G) Green, (M) Magenta, or (R) Red

Fireball® Hazardous Location LED Warning and Status Indicator Lights (FB2LEDX, FB2LEDX-CN, FB2LEDX-QC, and FB2LEDX-QC-S)

HAZARDOUS LOCATION RATING: FB2LEDX, FB2LEDX-QC, & FB2LEDX-QC-S

T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C	
Hazardous Location	**66°C**
Class I, Division 2, Groups A, B, C, D	T5
Class II, Division 2, Groups F, G	T6
Class III	T6

HAZARDOUS LOCATION RATING: FB2LEDX-CN

T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C	
Hazardous Location	**66°C**
Class I, Zone 2	T5
Class II, Zone 22	T85

Single and Multicolor Warning Lights

Single-color and Multicolor FB2LEDX warning lights feature fresnel lenses that are designed to focus and direct light output into a specific beam pattern. The concentrated light output allows the light to be seen at a far distance, making it ideal for long distance signaling.

Single-color FB2LEDX models feature colored, fresnel lenses and are available in six colors (Amber, Blue, Green, Magenta, Red, and White) and feature Federal Signal's patented Power Select™ technology. PowerSelect allows a user to select one of three flash patterns without having to open the unit by following a sequence when power is applied.

Multicolor FB2LEDX-QC models are available as warning lights and status indicators. The multicolor warning lights feature clear; fresnel lenses, fours colors (Amber, Blue, Green, and Red); and three flash patters per unit. Twelve color and flash pattern combinations are achieved by wiring selection.

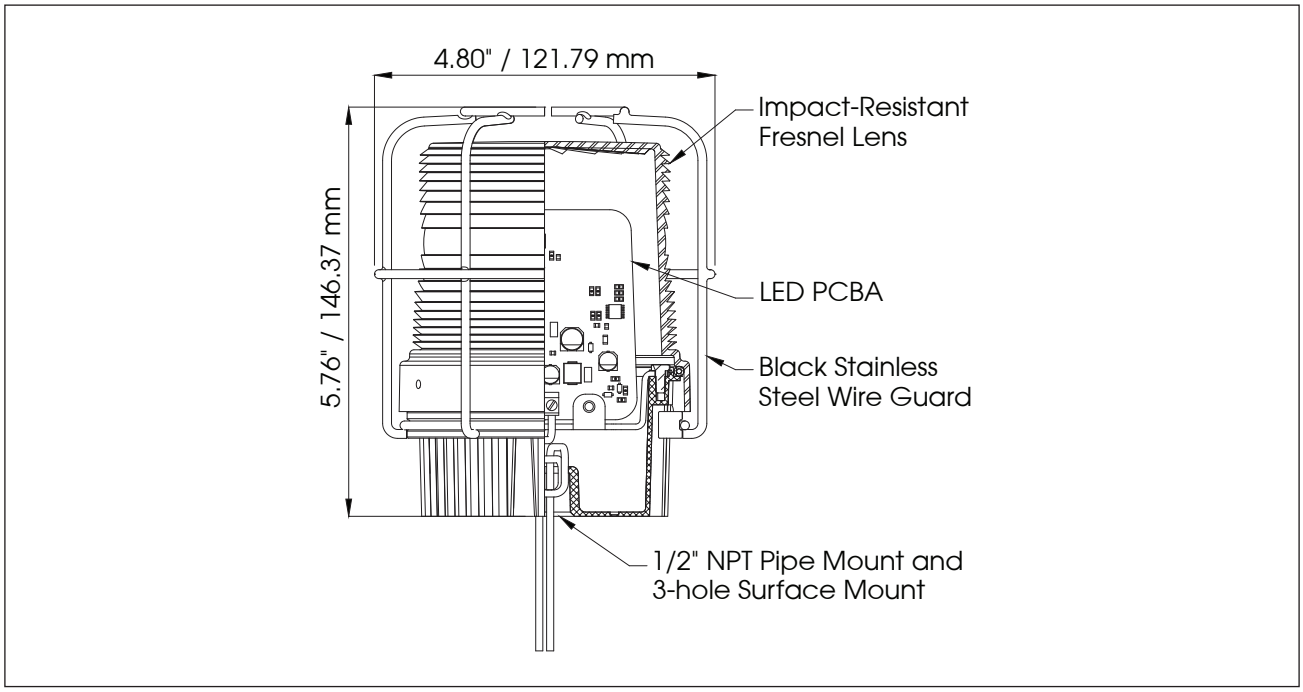
Fresnel lens

Opaque lens

Multicolor Status Indicator Lights

Multicolor FB2LEDX-QC-S status indicator lights feature opaque lenses that diffuse the LED light source to achieve a uniform appearance. This is ideal when a visual signal is needed in close proximity, such as workcells or HMI panels.

Multicolor status indicator lights feature clear, opaque lenses; four colors (Amber, Blue, Green, and Red); and three flash patterns per unit. Twelve color and flash pattern combinations are achieved by wiring selection.



Fireball® Hazardous Location LED Warning and Status Indicator Lights (FB2LEDX, FB2LEDX-CN, FB2LEDX-QC, and FB2LEDX-QC-S)

SPECIFICATIONS

Lamp Life:	50,000 Hours
Light Source:	LED
Operating Temperature:	-49° to 150°F (-45° to 66°C)
Net Weight:	1.75 lb (0.79 kg)
Shipping Weight:	2.05 lb (0.93 kg)
Height:	5.76 in (146.37 mm)
Diameter:	4.80 in (121.79 mm)

ACCESSORIES

Description	Part Number
Wire Guard Assembly	**FB2G**
Wall Mount Kit, Hazardous Location	**LHWB**

HOW TO ORDER

Single Color Models

FB2LEDX – **120-240** **A**

TYPE
FB2LEDX
Division Listed
FB2LEDX-CN
Zone Listed

VOLTAGE
012-024 (12-24 Vdc)
120-240 (120-240 Vac)

COLOR
A Amber
B Blue
C Clear
G Green
M Magenta
R Red

Multicolor Models

FB2LEDX-QC – **120-240** – **[ ]**

TYPE
FB2LEDX-QC
Division Listed

VOLTAGE
012-024 (12-24 Vdc)
120-240 (120-240 Vac)

Blank Warning Light
S Status Indicator

REPLACEMENT PARTS

Description	Part Number
PCBA, 12-24 Vdc, for Single-Color Amber, Green, or Red units	**K20000401A**
PCBA, 12-24 Vdc, for Single-Color Blue, Magenta, or Clear units	**K20000401A-01**
PCBA, 120-240 Vac, for Single-Color Amber, Green, or Red units	**K20000426A**
PCBA, 120-240 Vac, for Single-Color Blue, Magenta, or Clear units	**K20000426A-01**
PCBA, 12-24 Vdc, for Multicolor units	**K20000459A**
PCBA, 120-240 Vac, for Multicolor units	**K20000458A**