



7120BEP STROBE

Super Explosion Proof Warning Lights

- double flash high intensity
- NEMA 4X
- meets UL1203 & UL1638
- built in synchronizing circuit
- 24,000 hour strobe lamp
- two year warranty on power supply
- one year warranty on lamp
- UL listed
- marine rated
- Order just the mounting style you need
– Pendant, Flange (Ceiling), or
Wall mount

The model 7120BEP family is designed, tested, and certified for use in hazardous locations and hostile environments classified by the NEC as Class I, Div. 1 & 2, Groups C & D, Class II, Div. 1 & 2, Groups E, F, G, and Class III, Div. 1 & 2. They also meet NEMA standards 3, 4, 4X, 7CD, and 9EFG and are marine rated for use in salt water environments. Design features include housing made of die cast high strength copper-free aluminum alloy with a baked powder epoxy finish, stainless steel hardware, o-ring sealed prestressed glass globe with double pitch acme threads for smooth assembly and ease of maintenance, a flash synchronizing circuit, and an optional guard which need not be removed for relamping.

Lens Colors



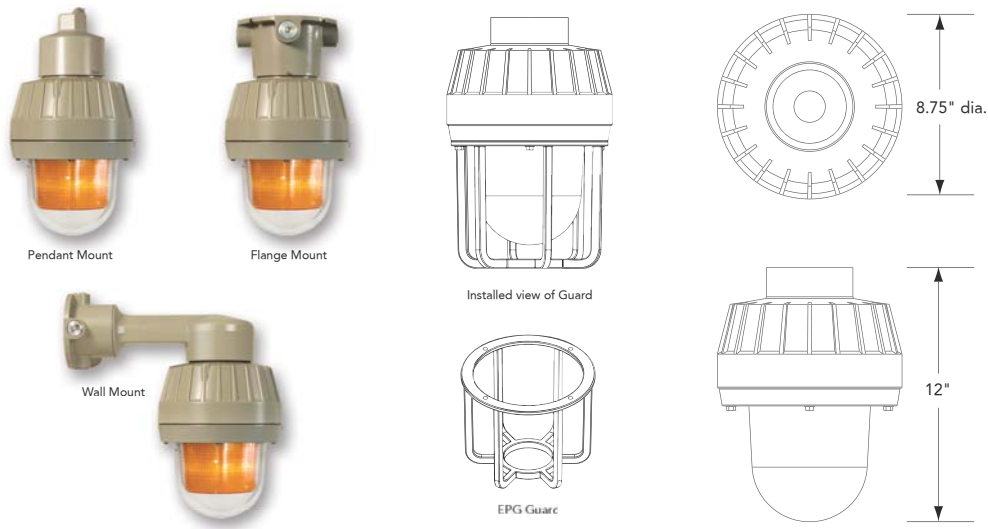
Amber Blue Clear Green Purple Red

Ordering Information

Please specify lens colors and model number when ordering. Available colors are Amber, Blue, Clear, Green, Purple and Red.

Model No.	Description	Voltage
7120BEP-FM	flange mount, 3/4" hubs	120VAC
7024BEP-FM	flange mount, 3/4" hubs	12/24VDC
7120BEP-PM	pendant mount, 3/4" hubs	120VAC
7024BEP-PM	pendant mount, 3/4" hubs	12/24VDC
7120BEP-WM	wall mount, 3/4" hubs	120VAC
7024BEP-WM	wall mount, 3/4" hubs	12/24VDC

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Synchronizing Specifications

Synchronizing Circuit Connection:

This is a low voltage, low power customer connection which requires one 22ga twisted pair run between each light. Max length between furthest lights 3000 feet. Up to 100 lights of different voltages can be synchronized.

Synchronizing Circuit Features:

Each light contains its own flash rate timing circuit which operates the lamp automatically and a bi-directional synchronizing circuit which overrides the internal timing circuit when connected to another light. When two or more lamps are synchronized together, failure of any lamp will not prevent other lamps from operating. Lights may be operated from different power sources, that is, a 120VAC unit may be synchronized with a 12VDC unit.

Specifications

Item	Description
Lamp Type	6001 Xenon strobe lamp
Light Output	890 effective candlepower (ECP)*
Flash Rate	80 flashes per minute
Voltage and Amperage	120VAC 60 Hz draws 1.0A (1.7A max) 12/24VDC draws 2.5/1.2A average (8.0/4.0A max)
Power Supply Output 26 Watts	-- AC and DC Units -- 20 joules per flash. 2,000,000 Peak Candlepower**
Operating Temperature	-40° C to +65° C
Temperature Code	T6 - All voltage and temperature ranges
Size and Weight	12" tall x 8.75" dia. x 13 lbs

Available Options

Model No.	Description
EP-FM-1	Splice box with 1" hubs
EP-PM-1	Splice box with 1" hubs
EP-WM-1	Splice box with 1" hubs
EPG	Guard

Architect and Engineer Specifications

Visual signaling beacon shall be Tomar model number series 7024, 7120 or approved equal. The beacon shall be UL Listed Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F and G; and Class III for use in specified hazardous locations and /or combustible atmospheres as classified by the National Electric Code. The warning beacon shall have a 26 watt power supply and generate 20 joules per flash. Light intensity shall be 890 effective candlepower, and the light source shall be a plug-in field replaceable double-flash xenon strobe lamp operating at 80 flashes per minute. The warning signal must have built-in RFI filters to protect against radio interference and spike voltages. Beacon must have a built-in flash synchronizing circuit, and voltage ranges shall be 12-24VDC and 120VAC. Strobe beacon must meet UL 1203, UL 1638 standards. Beacon must be rated NEMA 4X, with housing made of die cast high-strength copper-free aluminum alloy with baked powder epoxy finish, stainless steel hardware, O-ring sealed pre-stressed globe with double pitch acme threads for smooth assembly and ease of maintenance. Must include a Lexan® inner lens and tempered glass outer dome. The housing must be designed to accommodate a dome guard.

*ECP (Effective Candlepower) is the intensity that would appear to an observer if the light were burning steadily.

**Peak Candlepower is the maximum light intensity generated by a flashing light during its light pulse.