



## 4375 STROBE

### Hazardous Location Warning Light

Tomar Electronics model 4375 hazardous location strobe now features a shatter resistant Lexan™ lens. The efficient lens optics, coupled with the high-power 8 joule xenon strobe tube produce 200 Effective Candela (ECP) and 800,000 Peak Candlepower.

The model 4375 is UL Listed and CSA Certified for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F, and G; and Class III.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, agricultural, food processing, industrial, mining and marine facilities.

The 4375 is available in 12-74 VDC or 120-240 VAC. It is NEMA 4X rated and constructed to IP 66. It is water-tight, dust-tight, and corrosive resistant. It can be operated in any orientation, and features a 3/4" ISP pendant mount.

- Class I, Div. 2 Groups A, B, C, & D
- Class II, Div 2, Groups F & G
- 10,000 hour strobe lamp
- two year warranty on power supply
- one year warranty on lamp
- available in six lens colors
- UL listed
- CSA approved
- NEMA 4X
- UL 1598 impact resistant lens

Lens Colors

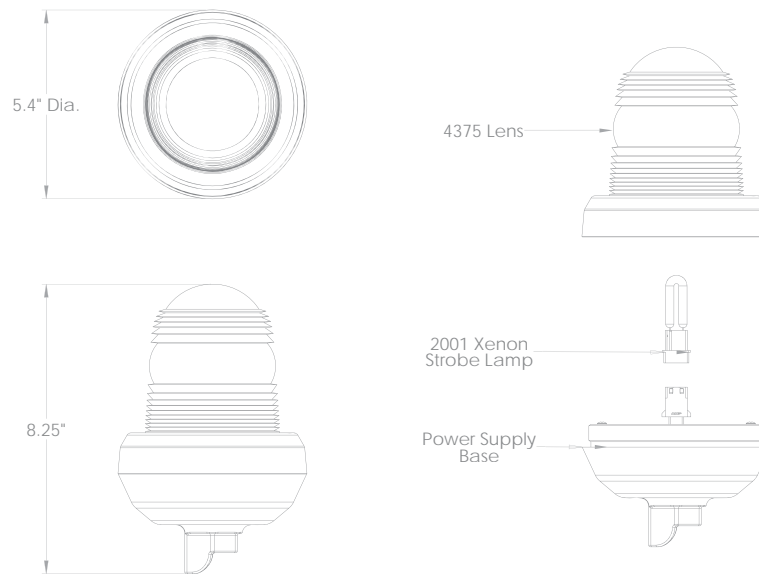


### Ordering Information

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

Model No.	Description	Voltage
4375-120	Hazardous location AC strobe	120 – 240VAC
4375-1274	Hazardous location DC strobe	12 – 74VDC

# 4375 STROBE



## NFPA Definitions

### Class I, Division 2.

A location (1) in which volatile flammable liquids or flammable gases are handled, processed or used, but in which the liquids, vapors or gases will normally be confined within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown of such containers or systems, or in case of abnormal operation of equipment; or (2) in which ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation, and which might become hazardous through failure or abnormal operation of the ventilating equipment; or (3) that is adjacent to a Class I Division 1 location, and to which ignitable concentrations of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive-pressure ventilation from a source of clean air and effective safeguards against ventilation failure are provided. [See Section 500-4(b) of NFPA 70, National Electrical Code.]

### Class II, Division 2.

A location in which (1) combustible dust will not normally be in suspension in the air in quantities sufficient to produce explosive or ignitable mixtures and dust accumulations are normally insufficient to interfere with the normal operation of electrical equipment or other apparatus; or (2) dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment and dust accumulations resulting therefrom may be ignitable by abnormal operation or failure of electrical equipment or other apparatus. [See Section 500-5 (b) of NFPA 70, National Electrical Code.]

## Specifications

Item	Description
Light Output	200 ECP
Lamp Type	2001 Xenon strobe lamp
Lens Type	4375-L-Color ( please specify lens color )
Voltage and Amperage	12-74VDC draws 1.2A @ 12VDC draws 0.33A @ 74VDC 120/240VAC draws 0.2A @ 120VAC (50/60Hz) draws 0.6A @ 240VAC (50/60Hz)
Temperature Code	T2
Temperature Rating	-40° C to +65° C
Power Supply Output 15 Watts ( single flash )	8 joules per flash. 800,000 Peak Candlepower**
Flash Rate	80 flashes per minute ± 10%
Size and Weight	8.5" tall x 5.4" dia. x 3.2 lbs ( 215mm x 137mm x 1.45kg )

### Architect and Engineer Specifications

Hazardous Location visual signaling beacon shall be Tomar model number series 4375 or approved equal. The beacon shall be UL Listed Class I, Division II, Groups A,B,C, and D; for use in specified hazardous locations as classified by the National Electric Code. The light source shall be a plug-in field replaceable single-flash xenon strobe lamp. The warning signal must have built-in RFI filters to protect against radio interference and spike voltages. Voltage ranges shall be 12-74VDC and 120-240VAC. The warning light shall be rated NEMA 4X and have a polycarbonate lens.

\*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.