

Explosionproof Strobe Lights HAZARD•GARD® Series

Cl. I, Div. 1, Groups C, D
Cl. I, Zone 1 and 2, Group IIB
Cl. II, Div. 1, Groups E, F, G
Class III

UL and cUL Listed
NEMA 4X; IP66

The **Hazard•Gard EXS and EXDS Series** Explosionproof Strobe Lights are designed for installation indoors and outdoors in locations which are hazardous due to the presence of flammable vapors or gases, ignitable dusts or ignitable fibers and flyings. The units are UL Listed for Type 3R and 4X installations. The 120V and 24V DC models are Marine Rated. The strobes are available for pendant, wall, stanchion and ceiling mounts, and come in six different globe colors.

The **EXDS Series** is diode polarized for use in electrically supervised circuits. Electrically supervised circuits are typically used in life-safety or security applications.

Under normal operation the diode is reversed biased, meaning it blocks voltage from being applied to the strobe and prevents it from lighting. When an initiating device such as a smoke detector is activated, the diode's polarity is reversed through a circuit panel. The diode becomes forward biased, allowing voltage to the device and activating the strobe.

Applications:

- Condition signaling
- Equipment obstruction warning
- Security alert
- Emergency evacuation signaling
- In areas where audible signals cannot be heard

Typical Industries:

- Utility gas plants
- Petroleum refineries
- Wastewater treatment plants
- Chemical and petrochemical
- Mining
- Pulp and paper

Features and Benefits:

- Strong strobe signal that produces 65 flashes per minute
- Compact design will not obstruct in low ceiling or small areas, ceiling mount is only 13 $\frac{3}{4}$ "-inch long
- Quick connect—strobe fixture threads onto mounting module for easy installation
- Factory sealed—no external seals required
- Available in pendant, wall, stanchion and ceiling mount
- Available in six different globe colors—clear, red, blue, amber, green and magenta
- Silicone gasket seals out dirt and moisture

Certifications and Compliances:

- Class I, Division 1, Groups C, D
- Class I, Zones 1 and 2, Group IIB
- Class II, Division 1, Groups E, F, G
- Class III
- UL and cUL 1638, UL 1203 and UL 844 Listed
- 1598A Marine Listed (120V AC and 24V DC only)
- cUL Listed C22.2 No. 205
- NEMA 4X watertight, IP66



Materials and Finishes:

- Body, mounting modules and guard—Copper-free aluminum
- Globe—Heat and impact-resistant glass
- Gaskets—Silicone
- External hardware—Stainless steel
- Internal components—Solid-state electronics in a moisture-resistant and heat-dissipating epoxy
- Epoxy powder coated for corrosion resistance

Ratings:

- 120V AC (EXS), 12–48V DC (EXSNM) and 24V DC nominal, voltage operating range is 16–33V DC (EXDS)
- Operating Current: 0.10 amps at 120V AC
1.2–3.8 amps at 12–48V DC
0.8 amps at 24V DC
- Peak Candlepower: 800,000

Hub Size:

- $\frac{3}{4}$ -inch NPT pendant, ceiling and wall mount
- 1 $\frac{1}{4}$ -inch NPT stanchion mount

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Ordering Information:

Step 1 - Order Strobe Type

Cat. #	Voltage	Lens Color	NEMA Rating
Explosionproof Strobes			
EXS301A/120	120V AC	Amber	3R 4X, Marine
EXS301B/120	120V AC	Blue	3R 4X, Marine
EXS301C/120	120V AC	Clear	3R 4X, Marine
EXS301G/120	120V AC	Green	3R 4X, Marine
EXS301M/120	120V AC	Magenta	3R 4X, Marine
EXS301R/120	120V AC	Red	3R 4X, Marine
EXSNM301A/12 48	12-48V DC	Amber	3R 4X
EXSNM301B/12 48	12-48V DC	Blue	3R 4X
EXSNM301C/12 48	12-48V DC	Clear	3R 4X
EXSNM301G/12 48	12-48V DC	Green	3R 4X
EXSNM301M/12 48	12-48V DC	Magenta	3R 4X
EXSNM301R/12 48	12-48V DC	Red	3R 4X
Diode Polarized Explosionproof Strobes			
EXDS301A/24	24V DC	Amber	3R 4X, Marine
EXDS301B/24	24V DC	Blue	3R 4X, Marine
EXDS301C/24	24V DC	Clear	3R 4X, Marine
EXDS301G/24	24V DC	Green	3R 4X, Marine
EXDS301M/24	24V DC	Magenta	3R 4X, Marine
EXDS301R/24	24V DC	Red	3R 4X, Marine

Step 2 - Order Mounting Module

Cat. #	Hub Size	Mounting Style
EVMP2	3/4"	Pendant
EV22 and EV87	3/4"	Wall
EV22	3/4"	Ceiling
EVMJ4	1 1/4"	Stanchion

Temperature Performance Data:

	Ambient Max. Temp.	Supply Wire	Class I, Div. 1, 2, Groups C, D, Class I, Zone 1, Group II B	Class II, Class III, Div. 1, Groups E, F, G	Class II, Class III, Div. 2, Groups F, G
EXFASC Series Fire Alarm Voltage 24V DC Regulated Full Wave Rectified (Operating Range 16-33V DC) (Marine Listed)	40°C 55°C	75°C 90°C	T6 (85°C) T5 (100°C)	T4A (120°C) T4 (135°C)	T4A (120°C) T4 (135°C)
EXS Series Strobe Light Voltage 120V AC (Marine Listed)	40°C 55°C 65°C	75°C 90°C 105°C	T6 (85°C) T6 (85°C) T6 (85°C)	T4A (120°C) T4 (135°C) T4 (135°C)	T4A (120°C) T4 (135°C) T4 (135°C)
EXSNM Series Strobe Light Voltage 12-48V DC (Not Marine Listed)	40°C 55°C 65°C	75°C 90°C 105°C	T6 (85°C) T6 (85°C) T6 (85°C)	T4A (120°C) T4 (135°C) T4 (135°C)	T4A (120°C) T4 (135°C) T4 (135°C)
EXDS Series Strobe 40°C Light-Diode Polarized Voltage 24V DC (Marine Listed)	40°C 55°C	75°C 90°C	T6 (85°C) T5 (100°C)	T4A (120°C) T4 (135°C)	T4A (120°C) T4 (135°C)

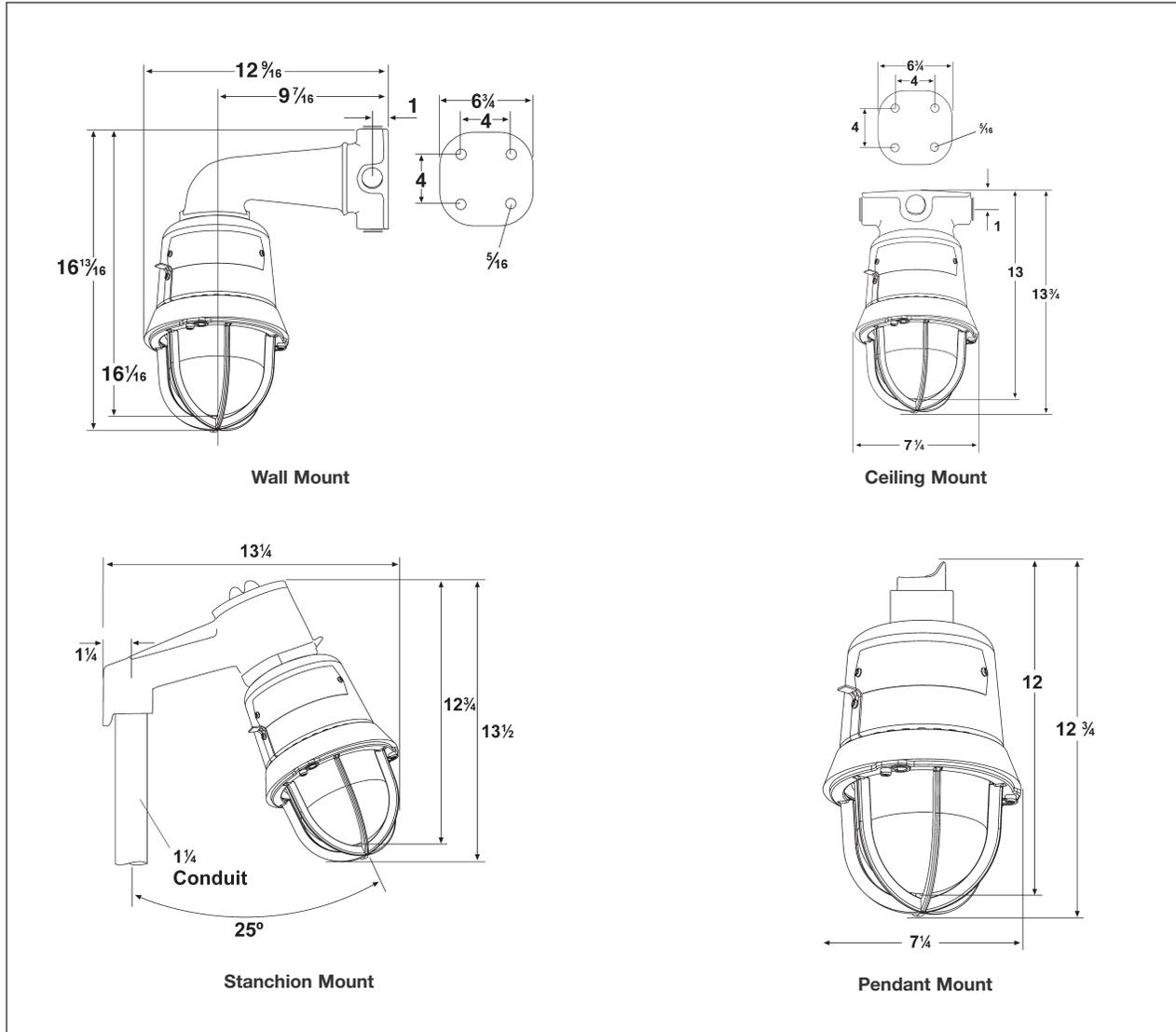
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Dimensions In Inches:



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Net Luminaire Weights:

Type	lbs.
Luminaire Housing with Guard	11.0

Type	lbs.
Add mounting modules:	
Pendant	1.0
Ceiling	1.0
Wall	4.5
Stanchion	2.5