Polaris™ Class LED Beacon
94 Series

Edwards Polaris™ Class LED beacons are NEMA Type 4X and IP66 rated visual signals designed for indoor and outdoor applications. The units are available in Edwards' 94 Series housing in 12-24V DC, 24V AC, 120V AC and are field configurable with up to seven flashing patterns, including steady-on, utilizing a "Hidden In Plain Sight" (HIPS) switch.

The inner, double fresnel lens is made of a high grade polycarbonate and is designed to magnify the ultra-bright LED's inside. A clear, outer, impact-resistant polycarbonate dome offers additional protection against accidental impacts with machinery or falling objects. It also acts as a protective and simple to clean "dust and residue" cover.

The Polaris Class beacons are designed to be mounted on 3/4 inch NPT conduit (indoor or outdoor). For outdoor installation and to maintain the NEMA and IP ratings, the beacon must be mounted with the dome facing directly up. When installing the beacon indoors in dry environments, it can be mounted in any position. The 94 Series housing has a cast base that can function as a junction box.

The Polaris Class is designed for any industrial or commercial applications that require the longevity of an LED and the brightness of a xenon strobe. These units are very effective in high noise areas where ear protection is worn or audible signals may not be heard.

Polaris™ Class Features and Specifications

- 12-24V DC, 24V AC, 120V AC
- Six lens colors
- Seven flash patterns (includes steady-on)
- Hidden in Plain Sight (HIPS) switch
- ¾" (19mm) NPT threaded conduit
- High level of immunity to shock and vibration
- Black or Gray base option
- UL 1638 and cUL Listed
- NEMA 4X and IP66 Rated
- Operating Temperature: -31°F to +150.8°F (-35°C to +66°C)

Specifications

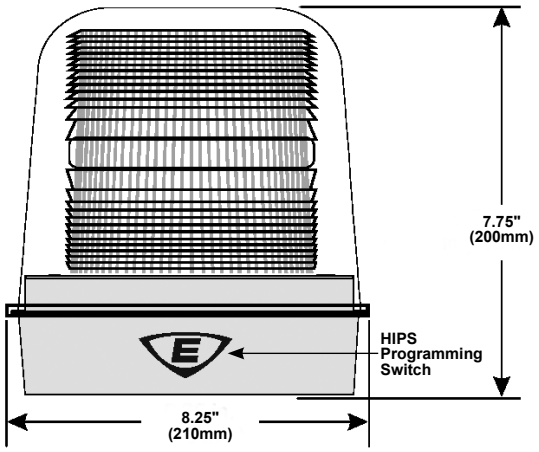
Description	Cat. No.	Operating Voltage	Base Color	Lens Colors	Projected LED Life (L70)*	Current	Replacement Dome	Replacement Lens
LED Beacon	**94PLEDMA24AD**	12-24V DC 24V AC @ 50/60 Hz	Gray	Amber	148,000	0.700A 0.550A	94DV2-DC	93-LA
	94PLEDMB24AD	12-24V DC 24V AC @ 50/60 Hz	Gray	Blue	148,000	0.700A 0.550A	94DV2-DC	93-LB
	94PLEDMG24AD	12-24V DC 24V AC @ 50/60 Hz	Gray	Green	148,000	0.700A 0.550A	94DV2-DC	93-LG
	94PLEDMM24AD	12-24V DC 24V AC @ 50/60 Hz	Gray	Magenta	148,000	0.700A 0.550A	94DV2-DC	93-LM
	94PLEDMR24AD	12-24V DC 24V AC @ 50/60 Hz	Gray	Red	148,000	0.700A 0.550A	94DV2-DC	93-LR
	94PLEDMW24AD	12-24V DC 24V AC @ 50/60 Hz	Gray	White/Clear	148,000	0.700A 0.550A	94DV2-DC	93-LC
	94PLEDMA24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	Amber	148,000	0.700A 0.550A	94DV2-DC	93-LA
	94PLEDMB24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	Blue	148,000	0.700A 0.550A	94DV2-DC	93-LB
	94PLEDMG24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	Green	148,000	0.700A 0.550A	94DV2-DC	93-LG
	94PLEDMM24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	Magenta	148,000	0.700A 0.550A	94DV2-DC	93-LM
	94PLEDMR24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	Red	148,000	0.700A 0.550A	94DV2-DC	93-LR
	94PLEDMW24ADB	12-24V DC 24V AC @ 50/60 Hz	Black	White/Clear	148,000	0.700A 0.550A	94DV2-DC	93-LC
	94PLEDMA120A	120V AC @ 50/60 Hz	Gray	Amber	148,000	0.250A	94DV2-DC	93-LA
	94PLEDMB120A	120V AC @ 50/60 Hz	Gray	Blue	148,000	0.250A	94DV2-DC	93-LB
	94PLEDMG120A	120V AC @ 50/60 Hz	Gray	Green	148,000	0.250A	94DV2-DC	93-LG
	94PLEDMM120A	120V AC @ 50/60 Hz	Gray	Magenta	148,000	0.250A	94DV2-DC	93-LM
	94PLEDMR120A	120V AC @ 50/60 Hz	Gray	Red	148,000	0.250A	94DV2-DC	93-LR
	94PLEDMW120A	120V AC @ 50/60 Hz	Gray	White/Clear	148,000	0.250A	94DV2-DC	93-LC
	94PLEDMA120AB	120V AC @ 50/60 Hz	Black	Amber	148,000	0.250A	94DV2-DC	93-LA
	94PLEDMB120AB	120V AC @ 50/60 Hz	Black	Blue	148,000	0.250A	94DV2-DC	93-LB
	94PLEDMG120AB	120V AC @ 50/60 Hz	Black	Green	148,000	0.250A	94DV2-DC	93-LG
	94PLEDMM120AB	120V AC @ 50/60 Hz	Black	Magenta	148,000	0.250A	94DV2-DC	93-LM
	94PLEDMR120AB	120V AC @ 50/60 Hz	Black	Red	148,000	0.250A	94DV2-DC	93-LR
	94PLEDMW120AB	120V AC @ 50/60 Hz	Black	White/Clear	148,000	0.250A	94DV2-DC	93-LC

*LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85ºC and $T_{junction}$ 98ºC). Actual LED life will vary inversely with ambient temperature, voltage, driver current, junction temperature and duty-cycle at which the signaling device is operated. Please refer to http://www.philipslumileds.com/pdfs/WP15.pdf.

Flash Mode Selection

Pattern	Description
Steady	Steady-On
S65	65 flashes per minute (FPM)
Light Burst	1000 FPM (seven pulses) 440 ms off/repeat
Singular Burst	120 FPM
Binary Burst	65 double FPM
Quad Burst	65 quad FPM
iBurst	750 FPM (nine pulses)/ 480 FPM (one pulse)/ 85 FPM (six pulses)/ 460 FPM (one pulse)

Dimensional Drawing



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