

# Beacons

## Multi-Mode LED

### Polaris Class - 94 Series



Edwards Polaris™ Class 94 Series LED beacons are NEMA Type 4X and IP66 rated visual signals suitable for use in indoor and outdoor applications. The units 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 94 Series 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.

### Features and Specifications

- Multi-mode LED (steady-on plus seven flash patterns)
- LED light source
- Six lens colors
- 3/4" (19mm) NPT threaded conduit
- Hidden in Plain Sight (HIPS) switch
- High level of immunity to shock and vibration
- Black or gray base option
- Cast base can function as junction box
- NEMA Type 4X and IP66 rated
- Operating temperature range: -31°F to 150.8°F (-35°C to 66°C)



VISUAL SIGNALS 1

### Ordering Information

Description	Cat. No.	Operating Voltage <sup>1</sup>	Current	Lens Colors	Projected LED Life (L70) <sup>2</sup>	Replacement	
						Dome	Lens
Multi-mode LED Gray Base AC	94PLEDMA120A	120V AC	0.250 A	Amber	148,000	94DV2-DC	93-LA
	94PLEDMB120A	120V AC	0.250 A	Blue	148,000	94DV2-DC	93-LB
	94PLEDMG120A	120V AC	0.250 A	Green	148,000	94DV2-DC	93-LG
	94PLEDMM120A	120V AC	0.250 A	Magenta	148,000	94DV2-DC	93-LM
	94PLEDMR120A	120V AC	0.250 A	Red	148,000	94DV2-DC	93-LR
	94PLEDMW120A	120V AC	0.250 A	Clear	148,000	94DV2-DC	93-LC
Multi-mode LED Black Base AC	94PLEDMA120AB	120V AC	0.250 A	Amber	148,000	94DV2-DC	93-LA
	94PLEDMB120AB	120V AC	0.250 A	Blue	148,000	94DV2-DC	93-LB
	94PLEDMG120AB	120V AC	0.250 A	Green	148,000	94DV2-DC	93-LG
	94PLEDMM120AB	120V AC	0.250 A	Magenta	148,000	94DV2-DC	93-LM
	94PLEDMR120AB	120V AC	0.250 A	Red	148,000	94DV2-DC	93-LR
	94PLEDMW120AB	120V AC	0.250 A	Clear	148,000	94DV2-DC	93-LC

<sup>1</sup>AC voltage frequency is 50/60 Hz

<sup>2</sup>LED Manufacturer’s Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and Tjunction 98°C). 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.philipsumileds.com/pdfs/WP15.pdf>.



# Beacons

## Multi-Mode LED

### Polaris Class - 94 Series



VISUAL SIGNALS

Ordering Information		Continued					
Description	Cat. No.	Operating Voltage <sup>1</sup>	Current	Lens Colors	Projected LED Life (L70) <sup>2</sup>	Replacement	
						Dome	Lens
Multi-mode LED Gray Base AC/DC	94PLEDMA24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Amber	148,000	94DV2-DC	93-LA
	94PLEDMB24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Blue	148,000	94DV2-DC	93-LB
	94PLEDMG24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Green	148,000	94DV2-DC	93-LG
	94PLEDMM24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Magenta	148,000	94DV2-DC	93-LM
	94PLEDMR24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Red	148,000	94DV2-DC	93-LR
	94PLEDMW24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Clear	148,000	94DV2-DC	93-LC
Multi-mode LED Black Base AC/DC	94PLEDMA24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Amber	148,000	94DV2-DC	93-LA
	94PLEDMB24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Blue	148,000	94DV2-DC	93-LB
	94PLEDMG24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Green	148,000	94DV2-DC	93-LG
	94PLEDMM24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Magenta	148,000	94DV2-DC	93-LM
	94PLEDMR24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Red	148,000	94DV2-DC	93-LR
	94PLEDMW24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Clear	148,000	94DV2-DC	93-LC

<sup>1</sup>AC voltage frequency is 50/60 Hz

<sup>2</sup>LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and Tjunction 98°C). 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.philipsumileds.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)

Accessories	
Description	Cat. No.
Corner Mount Bracket	CBR
Wall Mount Bracket	WBR



Weights and Dimensions		
Cat. No.	Approx. Net Weight (lb.)	Approx. Shipping Weight (lb.)
94PLEDM*120A	5.54	6.10
94PLEDM*120AB	5.54	6.10
94PLEDM*24AD	5.54	6.10
94PLEDM*24ADB	5.54	6.10
CBR	4.00	4.20
WBR	2.30	2.50

\*Letter in this position designates lens color: A - amber, B - blue, G - green, M - magenta, R - red or W - clear

