

# Beacons

## Multi-Mode LED

### Polaris Class - 57 Series



Edwards Polaris™ Class 57 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 seven flash 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 57 Series beacons are designed to be mounted on 3/4 inch NPT conduit (indoor or outdoor). To maintain the NEMA and IP ratings for outdoor installation, 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 57 Series is designed for industrial or commercial applications that require the longevity of an LED combined with 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
- NEMA Type 4X and IP66 rated
- Operating temperature range: -31°F to 150.8°F (-35°C to 66°C)



6.5"



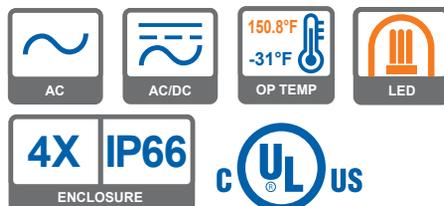
VISUAL SIGNALS

### 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 AC Gray Base	<b>57PLEDMA120A</b>	120V AC	0.250 A	Amber	148,000	57E-DC	57E-LA
	<b>57PLEDMB120A</b>	120V AC	0.250 A	Blue	148,000	57E-DC	57E-LB
	<b>57PLEDMG120A</b>	120V AC	0.250 A	Green	148,000	57E-DC	57E-LG
	<b>57PLEDMM120A</b>	120V AC	0.250 A	Magenta	148,000	57E-DC	57E-LM
	<b>57PLEDMR120A</b>	120V AC	0.250 A	Red	148,000	57E-DC	57E-LR
	<b>57PLEDMW120A</b>	120V AC	0.250 A	Clear	148,000	57E-DC	57E-LC
Multi-mode LED AC Black Base	<b>57PLEDMA120AB</b>	120V AC	0.250 A	Amber	148,000	57E-DC	57E-LA
	<b>57PLEDMB120AB</b>	120V AC	0.250 A	Blue	148,000	57E-DC	57E-LB
	<b>57PLEDMG120AB</b>	120V AC	0.250 A	Green	148,000	57E-DC	57E-LG
	<b>57PLEDMM120AB</b>	120V AC	0.250 A	Magenta	148,000	57E-DC	57E-LM
	<b>57PLEDMR120AB</b>	120V AC	0.250 A	Red	148,000	57E-DC	57E-LR
	<b>57PLEDMW120AB</b>	120V AC	0.250 A	Clear	148,000	57E-DC	57E-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.philipslumileds.com/pdfs/WP15.pdf>.



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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 AC/DC Gray Base	57PLEDMA24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Amber	148,000	57E-DC	57E-LA
	57PLEDMB24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Blue	148,000	57E-DC	57E-LB
	57PLEDMG24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Green	148,000	57E-DC	57E-LG
	57PLEDMM24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Magenta	148,000	57E-DC	57E-LM
	57PLEDMR24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Red	148,000	57E-DC	57E-LR
	57PLEDMW24AD	12V DC 24V AC/DC	0.700 A 0.550 A	Clear	148,000	57E-DC	57E-LC
Multi-mode LED AC/DC Black Base	57PLEDMA24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Amber	148,000	57E-DC	57E-LA
	57PLEDMB24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Blue	148,000	57E-DC	57E-LB
	57PLEDMG24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Green	148,000	57E-DC	57E-LG
	57PLEDMM24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Magenta	148,000	57E-DC	57E-LM
	57PLEDMR24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Red	148,000	57E-DC	57E-LR
	57PLEDMW24ADB	12V DC 24V AC/DC	0.700 A 0.550 A	Clear	148,000	57E-DC	57E-LC

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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)

Weights and Dimensions		
Cat. No.	Approx. Net Weight (lb.)	Approx. Shipping Weight (lb.)
57PLEDM*24AD	2.92	3.40
57PLEDM*24ADB	2.92	3.40
57PLEDM*120A	2.92	3.40
57PLEDM*120AB	2.92	3.40
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

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

