



125 Class Chameleon™

125XBRI Series XTRA-BRITE™

LED Multi-Status Indicator

in NEMA 4X Enclosure



The Edwards 125XBRI Series XTRA-BRITE™ LED Multi-Status Indicator is a UL and cUL listed, multi-color visual signaling device. It features a corrosion resistant Type 4X enclosure and can be panel or conduit mounted. The base is manufactured from a 33% glass filled nylon, providing high resistance to heat and high chemical resistivity. The lens is made of shatter resistant polycarbonate.

The lights are available in 24V DC and 120V AC 50/60 Hz, in either Red/Blue/Amber or Red/Green/Amber.

Edwards Signaling's NEW 125XBRI Multi-status Indicator is more "chameleon-like" than ever.

New Adaptive Design: One device does it all

With a quick change to the new 125XBRI Chameleon's dip switch settings, these flexible multi-status indicators instantly adapt for use with or without control from an external PLC, PAC, or control relay. Now, regardless of the application, you will have just the right device for the job with only half the inventory.

XTRA-SAFE™ Enabled

The Chameleon 125XBRI devices ship as standard with Edwards Signaling's XTRA-SAFE™ Technology (patent pending) Enabled. XTRA-SAFE™ multi-status indicating devices employ patented combinations of color AND flash-rate to provide more definite status indication to those who are color-blind. With XTRA-SAFE™, when Chameleon multi-status indicators are turned red, they pulse at a rate of 240 flashes per minute, further emphasizing the urgency that the color red typically connotes. When amber, these devices pulse at a "less urgent" rate of 120 flashes per minute. When Chameleon multi-status indicators are turned blue or green and no other colors are activated, the Chameleon devices remain "steady-on" and do not flash. Even in extreme cases where no color is perceived, flash-rate variation provides a redundant layer of visual indication.

When XTRA-SAFE™ Technology is enabled, and multiple colors are energized, the device will cycle through the energized colors at the following pre-set flash-rates:

Red: 240 FPM

Amber: 120 FPM

Green or Blue: 65 FPM

XTRA-SAFE™ Disabled

While in most cases, the added layer of safety gained by operating a multi-status indicator with XTRA-SAFE™ Technology is desirable, some applications may not require differentiation in flash rates. In other applications, changes do not correspond to escalating levels of urgency. The adaptive design of the new Chameleon 125XBRI allows the product to be adapted to accommodate these requirements by a simple dip switch configuration. With XTRA-SAFE™ Disabled, when red or amber, the unit pulses at a rate of 65 flashes per minute. When Chameleon multi-status indicators are turned green or blue and no other colors activated, the Chameleon devices remain "steady on" and do not flash.

When XTRA-SAFE™ Technology is disabled, and multiple colors are energized, the device will cycle through the energized colors at 65 FPM.

Externally Controlled

The Chameleon multi-status indicators can also be used in applications where they will be controlled "externally" using a Programmable Logic Controller (PLC) or other such external controller. When externally controlled by a PLC, activation of colors and flash-rate are fully customizable, and can be programmatically determined. In applications, where multiple colors are activated simultaneously, the lights operate on a priority with red highest, amber second and blue or green, the lowest.

The 125 Class Chameleon beacons can be mounted on 1/2" or 3/4" NPT conduit using a 1/2" internal or 3/4" external conduit hub that comes with the unit. It can also be panel-mounted using the mounting gasket provided with the unit. When panel-mounting the 125 Class Chameleon, the surface and construction details of the panel must be taken into consideration to ensure the integrity of the outdoor, NEMA 4X rating is fully maintained.

125XBRI Features

- Available in 24V DC or 120V AC
- Available with gray or black base
- Available in Red/Blue/Amber or Red/Green/Amber
- Option for panel or conduit mounting
- PLC Compatible
- XTRA-SAFE™ Technology enables status indication for those who are color blind
- Dip switch settings for use with or without external control
- Immune to shock and vibration
- -31°F to 150°F (-35° to 66°C) operating temperature
- Protective wire guard available, Cat. No. 125GRD

125XBRI Series Chameleon

Description	Cat. No.	Base Color	LED Colors	Projected LED Life (L70)**	Operating Voltage	Current	Replacement Lens
LED Multi-Status Indicator in NEMA 4X Enclosure	125XBRIrGA24D	Gray	Red, Green, Amber	148,000 hours	24 VDC	0.150 A	125LC*
	125XBRIrGA120A	Gray	Red, Green, Amber	148,000 hours	120 VAC 50/60 Hz	0.100 A	125LC*
	125XBRIrBA24D	Gray	Red, Blue, Amber	148,000 hours	24 VDC	0.150 A	125LC*
	125XBRIrBA120A	Gray	Red, Blue, Amber	148,000 hours	120 VAC 50/60 Hz	0.100 A	125LC*
	125XBRIrGA24DB	Black	Red, Green, Amber	148,000 hours	24 VDC	0.150 A	125LC*
	125XBRIrGA120AB	Black	Red, Green, Amber	148,000 hours	120 VAC 50/60 Hz	0.100 A	125LC*
	125XBRIrBA24DB	Black	Red, Blue, Amber	148,000 hours	24 VDC	0.150 A	125LC*
	125XBRIrBA120B	Black	Red, Blue, Amber	148,000 hours	120 VAC 50/60 Hz	0.100 A	125LC*

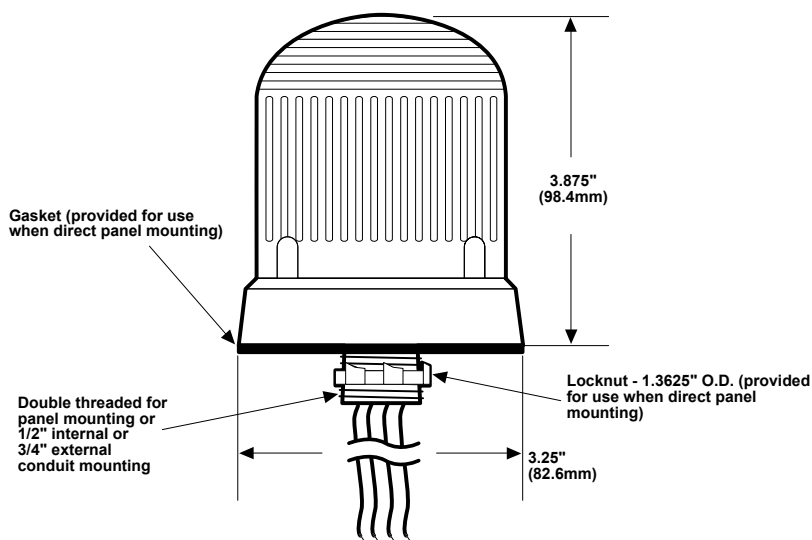
*Clear

**LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and T_{junction} 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>.

PLC Output to Meet Input Parameter Specifications

Cat. No.	Operating Voltage	Max. Off State Leakage Current (mA)	Continuous On Current (mA)	Surge (inrush / duration)
125XBRIrGA24D	24 VDC	5	150	28.5 A / 65 µSeconds
125XBRIrGA120A	120 VAC 50/60 Hz	5	100	28.5 A / 212 µSeconds
125XBRIrBA24D	24 VDC	5	150	28.5 A / 65 µSeconds
125XBRIrBA120A	120 VAC 50/60 Hz	5	100	28.5 A / 212 µSeconds
125XBRIrGA24DB	24 VDC	5	150	28.5 A / 65 µSeconds
125XBRIrGA120AB	120 VAC 50/60 Hz	5	100	28.5 A / 212 µSeconds
125XBRIrBA24DB	24 VDC	5	150	28.5 A / 65 µSeconds
125XBRIrBA120B	120 VAC 50/60 Hz	5	100	28.5 A / 212 µSeconds

Dimensional Drawing



Agency Approvals

