

Camray™ Series

A combination of Style & Performance

The **Camray™ Series** combines the photometrical performance to a visually appealing design.

An efficient reflector combined with two Xenon lamps deliver an incredible center-to-center spacing.

The die-cast aluminum housing is offered in a wide range of colors to complement any interior. It will blend with the most sophisticated décor.

With its fully gasket housing, the **Camray™ Series** is also ideal for extreme outdoor environments.

Designed to meet the needs of architects and designers without sacrificing safety, this fixture is available in a wide range of colors to complement any interior.



FEATURES

Reliability

The **Camray™ Series** comes complete with a 3-year full warranty (excluding lamps and fuses).

Unit Data

The **Camray™** units are made of durable cast aluminum housing, finish with textured polyester powder coat paint. Four colors are available: off white, black, platinum gray and dark bronze. The vacuum-plated die-cast reflector will last over time. The lens is made of an impact and UV resistant polycarbonate.

Units can be installed on various J-box with the universal mounting pattern. It can also be surface mount using the rigid conduit entry provision on the top of the unit.

Lamp information

The **Camray™** units are furnished with two high-output Xenon lamps. These lamps, combined with a patent pending reflector, deliver an incredible center-to-center spacing. The reflector has been designed to provide an evenly distributed illumination pattern for corridors, up to 6' wide.

Charger

All self-powered units come with a 120/277Vac, 60Hz., dual input voltage. Chargers also include low voltage disconnect to prevent deep discharge, battery lockout to prevent battery drain prior to energizing the utility power, brownout protection which will automatically switch unit into emergency mode if the utility power sags below 80% of nominal and battery reverse polarity protection.

Lead-Calcium Models are equipped with the Pulse Type circuitry that will promote long reliable battery life and excellent performance. This current limiting charger will minimize energy consumption.

Nickel Metal Hydride Models are equipped with the non-audible version of the Improved Diagnostics system. This charger is a self-test and self-diagnostic charger. It will monitor and indicate any of the following failures: battery disconnect, battery, charger and lamp failures. Discharge test can also be initiated manually.

Controls or electrical

- Lead-Calcium Models: green LED indicates AC power is on.
- Nickel Metal Hydride Models: bi-color LED indicates battery state of charge, test activation and four-state diagnostic status.
- Test switch allows for quick operational check of the entire system.

Power Requirements

120/277Vac, 60Hz, 0.11/0.05 Amp

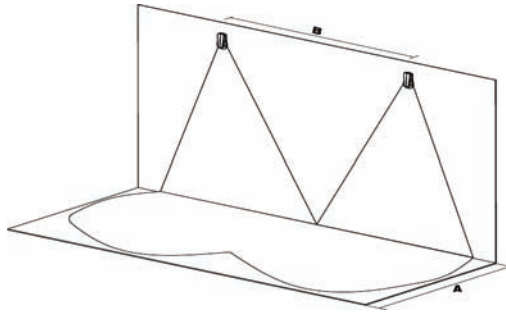
OPTIONS

The **Camray™ Series** is offered in remote and self-powered configurations. It can be used in a wide range of applications, environments:

- **CAM Remote head:** UL listed for damp, wet and cold locations. Operating temperature: -40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$)
- **CAML Regular interior package:** cost efficient solution equipped with Lead-Calcium battery.
- **CAMN Exterior package:** designed for a wide range of temperature. UL listed for wet and cold location. Operating temperature: -20°C to $+40^{\circ}\text{C}$ (-4°F to $+104^{\circ}\text{F}$)
- **CAMN2 High output package:** ideal for interior applications where the photometrical performance the 10W Xenon lamps is required. Equipped with NiMH battery, UL listed for operating temperature: $+20^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ ($+68^{\circ}\text{F}$ to $+86^{\circ}\text{F}$)

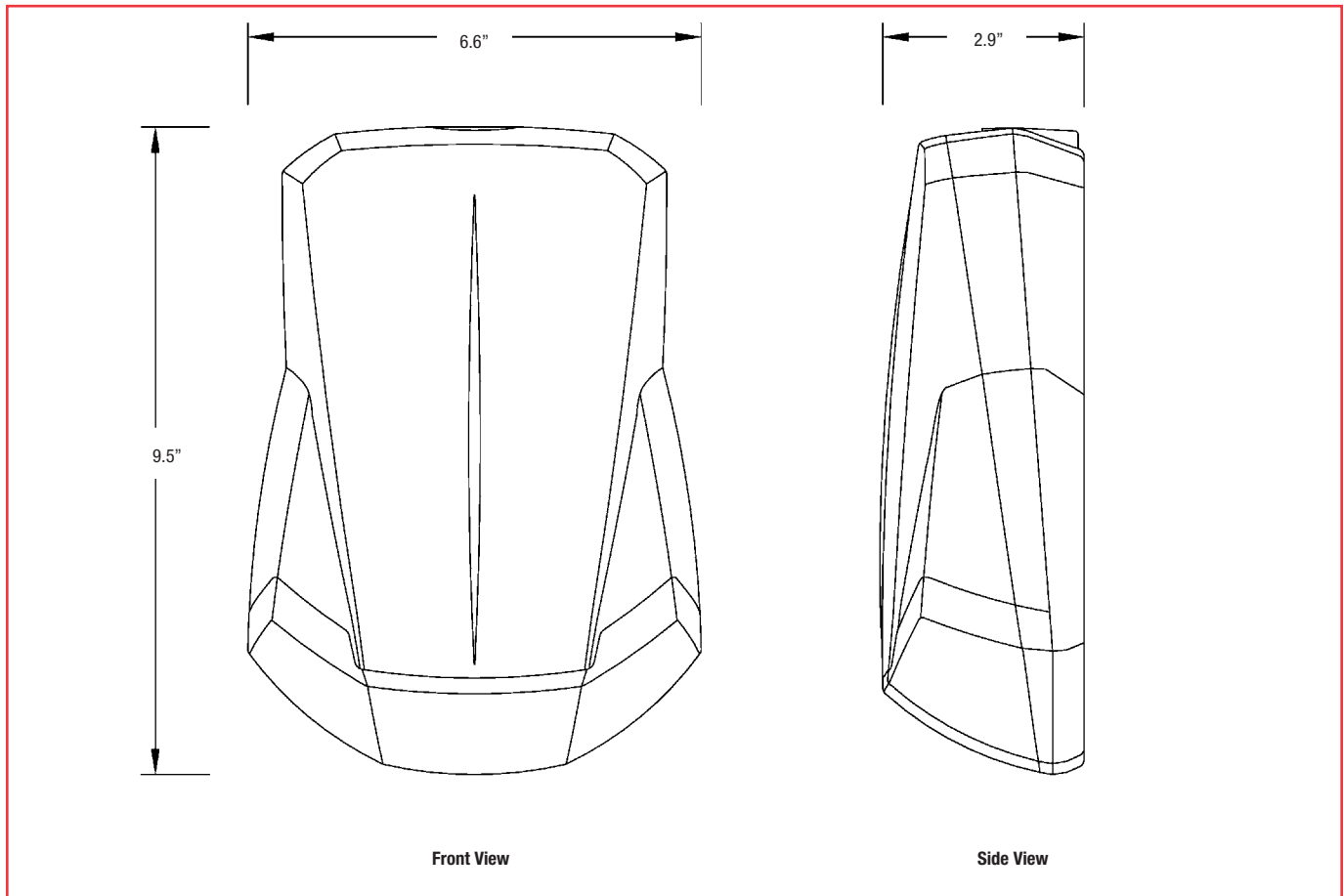
ISO CURVE

Lamp Type	Mounting height	Center-to-center
		A=3' A=6'
2 X 6W	7.5'	B=28' B=19'
	8.5'	B=25' B=18'
2 X 10W	7.5'	B=30' B=28'
	8.5'	B=34' B=30'



Note: Photometric results shown are based on a simulation using the AGI32 software with a 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum ratio. Lightalarms assumes no responsibility for local requirements or specific project variable. This is a guideline to be used as a design aid, not guarantee of any code compliance.

DIMENSIONS



ORDERING FORMAT

CAML Series	/LX6 Lamp Wattage*	-OW Color	T1 Options
CAML = 6V - 12W, lead calcium (+20°C to +30°C) std charger CAMN = 6V - 12W, NiMH (-20°C to +40°C) comes with IDNA* CAMN2 = 6V - 20W, NiMH (+20°C to +30°C) comes with IDNA*	/LX6 = 6V-6W /LX10 = 6V 10W**	-OW = off white -B = black -DB = dark bronze -PG = Platinum gray	T1 = 5 min time delay T2 = 10 min time delay T3 = 15 min time delay Note: time-delay available only with IDNA
<i>*IDNA: Improved Diagnostic, non audible, will self test the unit for 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually.</i>	<i>*Xenon wedge base T3-1/4 **Only available in CAMN2.</i>	<i>Other colors available at a premium. Consult the factory.</i>	Limited Warranty LD-CA battery 3 years NiMH battery 5 years