



Patent Pending



Camray™ Series

Now available with white LED normally-on and photo-cell options

Designed to meet the needs of architects and designers without sacrificing safety and performance, the **Camray™ Series** has a low-profile, slim look and is offered in a range of colors to blend in with the most sophisticated interior design. With sealed die-cast aluminum housing, the unit is also designed for extreme outdoor environments.



Decorative Series

FEATURES

- Die-cast aluminum housing available in four finishes: off-white, black, platinum gray and dark bronze
- Clear poly-carbonate lens, shock-absorbent and UV-resistant
- Two high-output Xenon lamps installed in a vacuum-plated die-cast reflector
- Indoor/outdoor applications, suitable for wet locations
- Wall-mount installation on various junction boxes or via rigid conduit
- Integrated test button and LED pilot light with optical pipe
- Lead-Calcium battery monitored by a pulse-plus charger circuitry
- Nickel-Metal Hydride battery with Improved Diagnostic charger and bi-color diagnostic LED display
- UL listed to the UL924 Standard

BATTERY REPLACEMENT

840.0004-L	6V-12W, Lead Calcium
850.0086-L	6V-12W, 20W NiMH

LAMPS REPLACEMENT

570.0213-L	6V-6W Xenon
570.0214-L	6V-10W Xenon
570.0215-L	12V-6W Xenon
570.0216-L	12V-10W Xenon

POWER CONSUMPTION CHART

Model	AC Specs			DC Specs	
	Voltage	Current	Power	Voltage	Runtime
CAML, CAMN	120/277Vac	0.11/0.05Amp	Less than 10.5W	6V-12W	Min. 90 minutes
CAMN2	120/277Vac	0.11/0.05Amp	Less than 10.5W	6V-20W	Min. 90 minutes
CAM-2, CAM-P	120/277Vac	0.04Amp	5W	LED Normal Lighting	

TYPICAL SPECIFICATIONS

Supply and install the **Camray™ Series** battery unit from **Lightalarms®**. The unit shall be suitable for wall mounting directly on the electrical box, or on the wall surface, using rigid conduit entry at the top of the unit.

The unit body shall be made of die-cast Aluminum with painted finish: _____ and a UV and impact resistant polycarbonate lens. The two emergency lights shall be high-o utput Xenon lamps hosted by a vacuum-plated die-cast reflector. The unit shall be rated 120/277VAC, 60Hz dual input voltage. The battery charger shall include low voltage disconnect to prevent deep discharge, battery lockout to prevent battery drain prior to energizing the utility power, and brownout protection which will automatically switch unit into emergency mode if the utility power falls below 80% of nominal level. The unit shall provide minimum 90 minutes of emergency lighting.

When specified, models with Lead-Calcium battery shall be equipped with a pulse type charging circuitry. The voltage/current-limiting circuitry will minimize energy consumption and shall be factory set with a charging voltage tolerance of ±1% to enable a longer battery life. A red LED pilot light shall indicate AC power.

When specified, models with Nickel Metal Hydride batteries shall be equipped with a non-audible Improved diagnostic. The unit shall self test for one minute every month, 30 minutes every six months and 90 minutes annually. The pilot light shall be a bi-color LED and shall change color from normal green to flashing red when a failure is detected from the battery, charger circuit or lamps. A label located near the pilot light shall describe the diagnostic for each flashing code.

When specified, models for remote emergency lighting shall include two low-voltage Xenon lamps of _____ V and _____ W and all the necessary wire connections.

When specified, models with dual-mode illumination shall include LED lamp with a separate electrical input 120/277Vac for connection to a switched AC line. The LED lamp shall consume less than 5 Watts and shall have an operational life of 50,000 hours, until 70% of initial light level.

When specified, models equipped with photo-cell shall automatically activate the LED lamp only from dusk till dawn, for additional energy savings. The typical ambient illumination for the photo-cell shall be: one foot-candle (to turn-on) and three foot-candles (to turn-off).

The unit shall be listed by the under writing laboratories to the UL924 Standard.

The unit shall be **Lightalarms®** model: _____.

UNIT WARRANTY

Unit carries a 3-year full warranty (not applicable to high-output Xenon lamps) and a 5-year warranty for Nickel Metal Hydride models.



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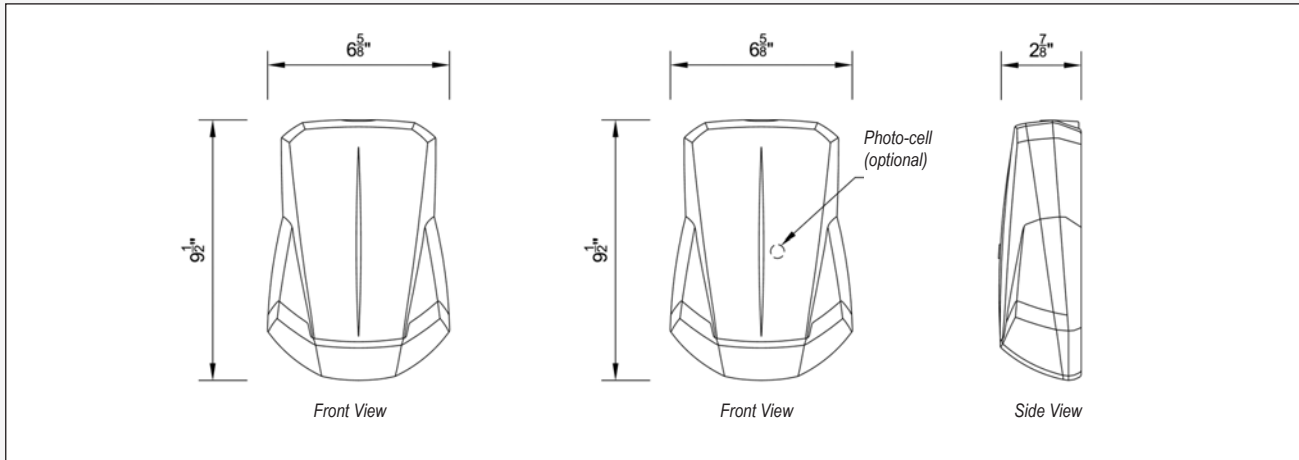
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An optional dual-mode illumination feature enables the **Camray™ Series** to provide lighting not only during power outages, but also in normal conditions with a dedicated 5-watt LED lamp. The normal lighting can be turned on and off from a remote switch or from an optional photo-cell included in the equipment.

DIMENSIONS

Dimensions are approximate and subject to change.



ORDERING FORMAT

Battery Unit

Series	Lamp/Wattage*	Color	Options
CAML = 6V-12W, lead calcium (+20°C to +30°C) pulse type charger CAMN = 6V-12W, NiMH (-20°C to +40°C) comes with Improved Diagnostic Non-Audible (IDNA) CAMN2 = 6V-20W, NiMH (+20°C to +30°C) comes with Improved Diagnostic Non-Audible (IDNA)	/LX6 = Xenon 6V-6W /LX10 = 6V-10W**	-OW = off white -B = black -DB = dark bronze -PG = platinum gray	Blank = no options -T1 = 5 min time delay -T2 = 10 min time delay -T3 = 15 min time delay -2 = dual-mode lighting (LED normally-on, Xenon EM back-up) -P = Photo-cell <i>Note: time-delay available only with IDNA, CAMN and CAMN2 units.</i> Limited Warranty Lead Calcium battery 3 years NiMH battery 5 years
	*Xenon wedge base T3-1/4 **Only available in CAMN2	Other colors available. Please consult your sales representative.	

Example: CAML/LX6-OW-T1

Remote Fixture

Series	Lamp/Wattage	Color	Voltage	Options
CAM = remote fixture (-40°C to +60°C)* *Option Dual-Mode Lighting: (-40°C to +40°C) Outdoor remote	/LX6 = 6W /LX10 = 10W Xenon wedge base T3-1/4	-OW = off white -B = black -DB = dark bronze -PG = platinum gray	6 = 6V 12 = 12V	Blank = no options -2 = dual-mode lighting (LED normally-on, Xenon EM back-up) -P = Photo-cell
		Other colors available. Please consult your sales representative.		

Example: CAM/LX6-OW-2