CAMRAY™ LED Series

Rugged, Versatile, Sophisticated

Type: _____

Project/Location: _____

Contractor: _____

Prepared By: _____

Date: _____

Model No.: _____

FEATURES

- Four LED light engine with redundant connections
- Powder-coated Die-Cast aluminum construction
- Clear Polycarbonate lens allows for maximum lumen output
- Surface Wall Mount
- NEMA-3R Damp and Wet locations
- Operating temperature -40°C to + 50°C
- 400-640 Lumens
- Color temperature 5000K
- Meets or exceeds CSA 22.2 No.141-15

OPTIONS

- Forward-throw light distribution
- Dual-mode: normal and emergency LED lighting
- High-lumen output
- Photo-switch: dusk-to-dawn control of normal lighting
- Infrared remote control (normal lighting)

See warranty details at: www.tnb.ca/en/brands/lumacell

c UL NEMA-3R

Made in Canada

IN THE SAME FAMILY:

- Camray™ LED Series Battery Unit

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TYPICAL SPECIFICATIONS

Supply and install the **Camray™ Series** of LED emergency lighting unit from Lumacell®. The unit body shall include a back-plate and housing made of Die-Cast Aluminum with paint Finish color: _____ and a UV- and impact-resistant polycarbonate lens of reduced size: 3-in by 1.5-in. The back-plate shall have knockouts for wires and wall-mount installation box as well as a threaded hole for rigid conduit entry at the top of the unit. The back-plate shall have a built-in electrical box with wire terminals and snap-on connector. After complete electrical installation of the back-plate the equipment housing shall be installed by a simple push & snap over the back-plate.The emergency lights shall be 4 (four) power-light-emitting diodes (LED) with operational life of minimum 36,000 hours, until 70% of the initial light level (reported L70). The LED lamps shall have redundant interconnections: eventual failure of one lamp shall allow other LED lamps to function. The unit shall have a dual-voltage input rated: 120/347VAC, 60Hz. 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 with Nickel Metal Hydride battery shall be equipped with a micro-controller-based non-audible auto-test circuit. The unit shall self-test for one minute every month, 30 minutes every six months and 90 minutes annually. The pilot light shall be integrated with the test button; it 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 with dual-mode illumination shall include two separate AC input circuits: un-switched for emergency lighting and switched for normal lighting. When specified, models equipped with photo-switch shall automatically activate the normal lighting only from dusk till dawn, for additional energy savings. The typical ambient illumination for the photo-switch shall be: 10 lux (to turn-on) and 30 lux (to turn-off).

When specified, the unit shall be controlled by an infrared remote control keypad (ordered separately). The remote control shall be able to simulate a power failure of 1 minute, 30 minutes or 90 minutes and also to cancel the test in progress at any time. For units with dual-mode lighting the remote keypad shall also control the normal lighting with on/off switch and dimming functions.

The unit shall be certified to the CSA 22.2 No.141-15 and No.250.0-08 standards.

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

DIMENSIONS

Dimensions are approximate and subject to change.

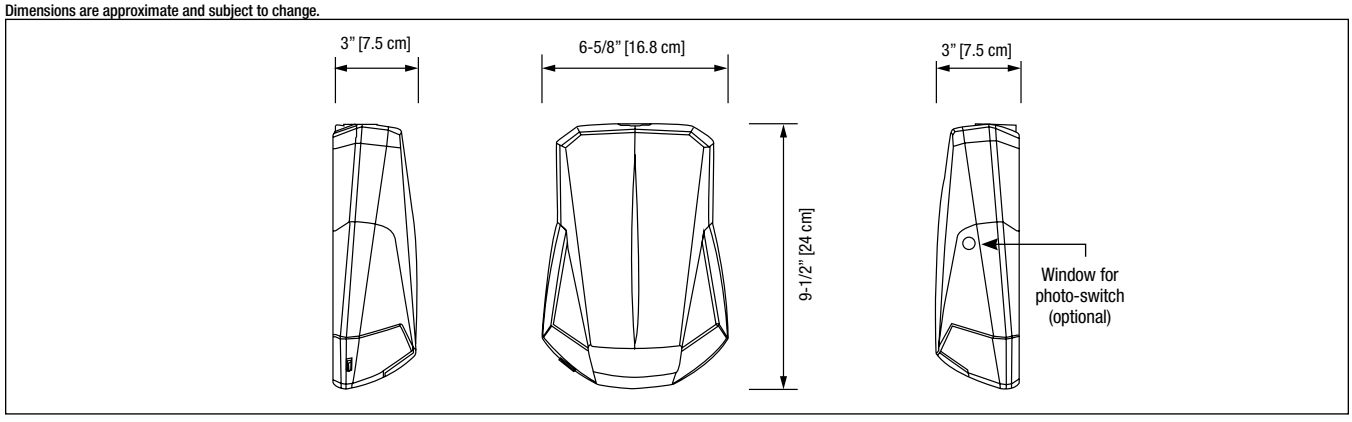

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TABLE A: SPACING FOR AVERAGE 1FC

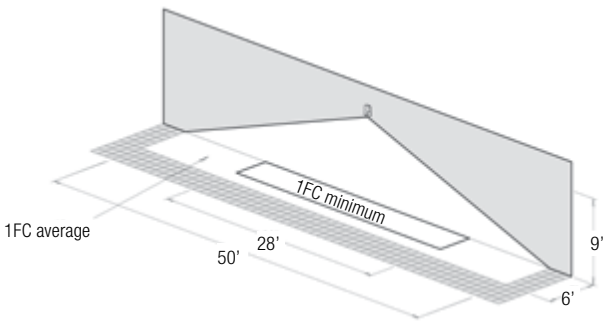
MODEL TYPE	MOUTING HEIGHT	WATTAGE CAPACITY	
		SINGLE	CENTER-TO-CENTER
Standard	9'	6' X 50'	6' X 50'
With option -H	11'	6' X 60'	6' X 60'
			3' X 70'
With option -FT	12'	6' X 40'	-
With option -FTH	15'	6' X 50'	-

Indoor reflectance: 80/50/20 and 10-ft wide corridor. Outdoor reflectance: 0/30/10

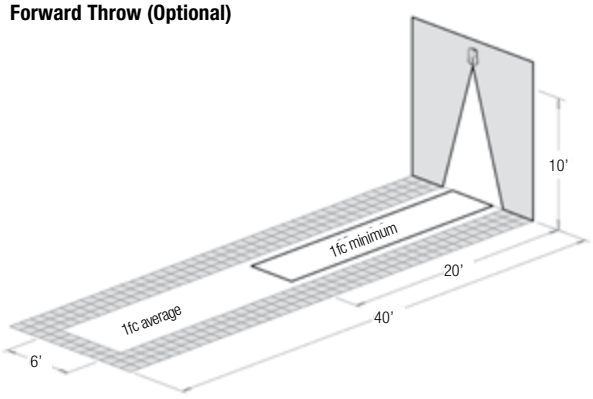
Note: The illumination level meets ALL the requirements of the National Building Code-Canada and the Life Safety Code (NFPA 101):

1) Average of 1 foot-candle (10.7 lux) or more
2) Minimum at any point of 0.1 foot-candle (1.07 lux) or more
3) Maximum-to-minimum illumination uniformity ratio of 40:1 or less

Wide Beam (Standard)



Forward Throw (Optional)



POWER CONSUMPTION

MODEL TYPE	AC SPECS: 120/347VAC				6-12VDC REMOTE
	NORMAL LIGHTING		EMERGENCY LIGHTING		
	CURRENT (MAX)	POWER (MAX)	CURRENT (MAX)	POWER (MAX)	POWER (MAX)
AC, ACDC, DC	0.12/0.05A	12W	0.12/0.05A	12W	8W
AC, ACDC, DC -H	0.18/0.07A	18W	0.18/0.07A	18W	14W
2AC (120VAC only)	0.12A	12W	0.12A	12W	—
2AC-H (120VAC only)	0.18A	18W	0.18A	18W	—

***Note: Only unswitched AC input; normal lighting with photo-switch or remote control**

ORDERING INFORMATION

SERIES	FUNCTION: REMOTE FIXTURES (-40... +50°C)	COLOUR	OPTION
CAML= Camray™ LED	**AC**= AC-only 120/347VAC **ACDC**= AC/6-12VDC remote **DC**= 6-12VDC remote fixture **2AC**= AC-only two circuits: 120/120 or 277/277V	**BK**= black **DB**= dark bronze **OW**= off-white **PG**= platinum grey	**-ZC**= 277VAC 60Hz input **-FT**= forward throw lighting **-H**= high lumen output (-40... 30°C) **-P**= photo-switch, normal lighting (models AC, ACDC only) **-RC**= remote control - infrared (models AC, ACDC only)* * **TB-RC1-L**= Remote control keypad (sold separately)

EXAMPLE: CAMLACOW-H