



new product

LSAU Series

Surface-mount architectural
battery unit

Nexus®Pro



STANDARD FEATURES

- Easy to install on a ceiling and pendant mount (pendant kit sold separately)
- Thermoplastic decorative housing, white finish or optional black
- High-temperature rated lithium battery with built-in protection circuit module
- Infrared remote control for testing (up to 9.1 m/30')
- Two-wire universal AC input: 120-347VAC 50/60Hz
- Minimum 90 minutes of emergency lighting
- Fixed, optimized light distribution for ceiling heights up to 3.7 m (12')
- Four high-intensity LED with redundant connections; 140 lm/W
- Listed for damp locations: 10° to 40°C (50° to 104°F)
- Certified cUL to CSA 22.2 No. 141
- Warranty details at: www.tnb.ca/en/brands/lumacell/

OPTIONAL FEATURES

- Time delay: 15 minutes
- Self-test and diagnostics
- Nexus®Pro: Bluetooth® central monitoring system
- Fixed, square light distribution for area of rescue, up to 3.7 m (12') ceilings

SUGGESTED SPECIFICATION

Supply and install the **LSAU Series** of surface-mount emergency lighting unit from **Lumacell®**. The unit construction shall include a thermoplastic housing and backplate. The optics shall be an impact-resistant polycarbonate lens with fixed light distribution optimized for ceiling heights of 2.4 to 3.7 m (8 to 12'). The housing shall include an isolated compartment for electrical connections, with access through the ceiling back plate.

The emergency lights shall be four high-intensity 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 two-wire universal input rated 120-347VAC 50/60Hz and shall be equipped with a lithium battery. The charger circuit shall provide: AC lock-out, brownout transfer, and battery disconnect at the end of discharge. The charger shall be micro-controller-based and include, if specified, self-test and diagnostic functions; 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-colour LED and shall change colour from normal green to flashing red when a failure is detected from the battery, charger circuit or lamps. A label located in the unit shall describe the diagnostic for each flashing code. The unit shall be supplied with an infrared remote control to start or cancel a manual test of one minute duration.

The unit shall be listed for damp locations 10° to 40°C (50° to 104°F)

The unit shall be cUL certified to CSA 22.2 No.141

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



Remote test control

LUMACELL

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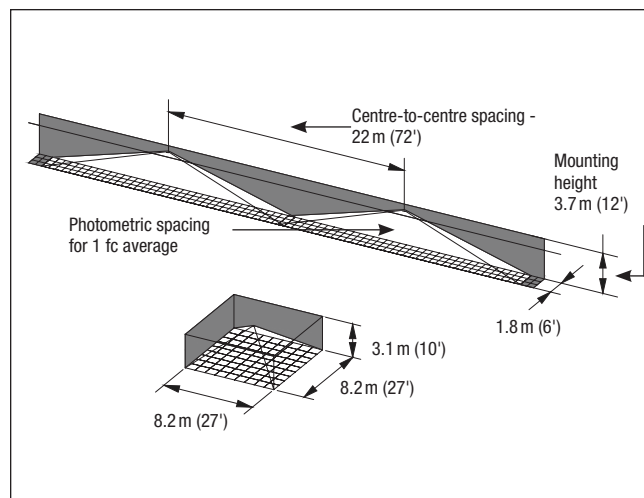
PHOTOMETRIC PERFORMANCE

Unlike equipment with adjustable lights, the **LSAU Series** makes the installation faster and prevents errors leading to insufficient lighting on the path of egress.

The **LSAU Series** delivers a stable and consistent illumination making it easy to specify in a wide range of applications. The spacing of illumination ranges from 18.9 to 24.4 m (62 to 80 feet) for standard units (corridor). The area-of-rescue option covers a square surface up to 8.2 m x 8.2 m = 67.2 m² (27' x 27' = 729 ft²).

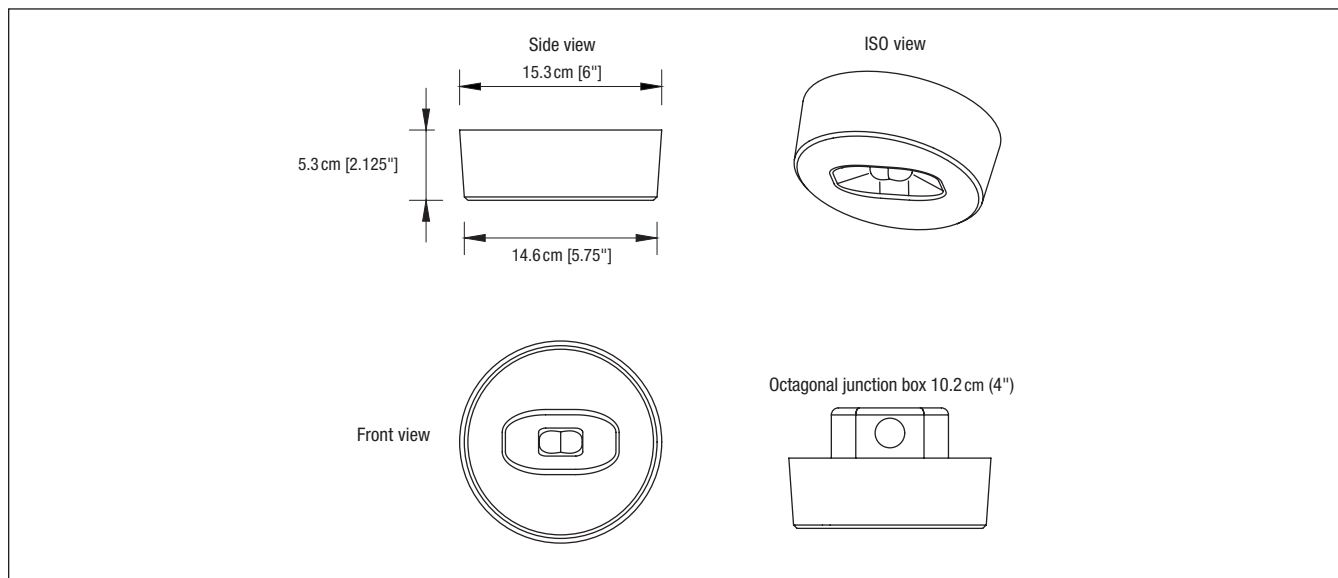
SPACING: standard unit – 1.83 m [6-ft] wide corridor

MOUNTING HEIGHT	SPACING CENTRE TO CENTRE	SINGLE UNIT COVERAGE
2.4 m [8']	18.9 m [62']	17.4 m [57']
3.1 m [10']	24.4 m [80']	23.5 m [77']
3.7 m [12']	22 m [72']	21 m [69']



DIMENSIONS

Dimensions are approximate and subject to change.



ORDERING INFORMATION

SERIES	COLOUR	UNIT TYPE	OPTIONS
LSAU= self-powered surface architectural unit	WH= factory white BK= black	Blank= standard charger UN= advanced diagnostics, non-audible NEXP= Nexus®Pro wireless Bluetooth®	Blank= no options D3= 15 minute time delay SQ= square lighting pattern NOTE: Pendant mount compatible. Pendant kit sold separately.

EXAMPLE: LSAUBKUN

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LUMACELL