LUMACELL®

# Architectural emergency lighting range

## Battery units and remote fixtures

Made in **Canada**

# Comparison table

| Features | Surface mount architectural unit | Recessed architectural unit |
|---|---|---|
| **Installation type** | Mounts directly on recessed, surface, or pendant junction boxes | Recessed with spring clips, integrated junction box |
| **Appearance** | Sleek, discreet housing | Hidden backbox, flush profile |
| **Typical applications** | Existing junction box<br>High ceilings | New or existing construction<br>Gypsum ceilings<br>Suspended ceilings |
| **Front design** | Round black/white housing | Round or rectangular black/ white trims, no visible screws |

Lumacell's architectural product family includes recessed battery units and remote fixtures, as well as ceiling- or pendant-mounted battery units and their remote fixture equivalents.

Minimalistic and aesthetic, these luminaires blend seamlessly into their surroundings while providing the safety features required by industry standards. Their aesthetic versatility allows them to integrate easily into environments such as museums and hotels, as well as office spaces, building corridors, and many other commercial buildings.

## Common elements for all products

- Minimum autonomy of 90 minutes.
- Easy installation thanks to pre-set, optimized lamp positioning.
- Lithium battery with protection circuit module.
- Available as a battery unit or remote fixtures.
- Compact thermoplastic housing available in black or white.
- Compatible with any type of central systems.
- Proudly made in Canada at our Dorval (Quebec) facility.

### Test functions

- Optional remote testing and monitoring with Nexus®Pro
- Auto-test and diagnostic functions via microcontroller
- Infrared test remote control (up to 9 m / 30 ft range)


### Lighting performance

- Four high-intensity LEDs with redundant connections; 140 lm/W
- Correlated colour temperature of 5,000 K
- Up to 25 m (80 ft) coverage
- Fixed optical device with optimized light distribution for ceiling heights ranging from 2.4 to 3.7 m (8 to 12 ft)

# Surface-mount units – New!

### Product features

- Installs directly onto a standard junction box.
- Compatible with recessed, surface-mounted, or suspended junction boxes.
- Ideal for projects where recessed installation is not possible or desired.
- Well suited for high ceilings.
- Universal two-wire input (120–347 V, 50–60 Hz).

### Compliance

- Listed for damp locations.
- cUL certified to CSA standard C22.2 No. 141.
- Operating temperature range: 10 °C to 40 °C (50 °F to 104 °F).

Nexus®Pro

Conduit mount on the electrical box

Pendant-mount on the electrical box

## Architectural family lighting performance

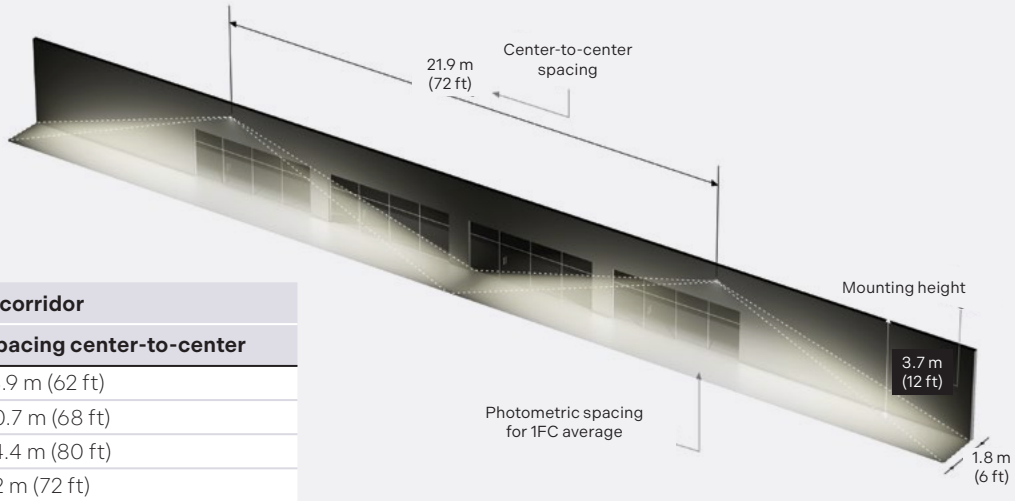


**Table A: Standard unit – 6 ft wide corridor**

| Mounting height | Spacing center-to-center |
|---|---|
| 2.4 m (8 ft) | 18.9 m (62 ft) |
| 2.7 m (9 ft) | 20.7 m (68 ft) |
| 3.1 m (10 ft) | 24.4 m (80 ft) |
| 3.7 m (12 ft) | 22 m (72 ft) |

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# Recessed units

## Product features

- Installs using spring-loaded mounting brackets in gypsum board or suspended ceilings.
- Includes an integrated junction box for recessed installation.
- Ideal for new construction or retrofit projects with finished ceilings.

## Compliance

- Listed for damp locations.
- NSF approved for splash zone use, non-food contact areas.
- cUL certified to CSA standard C22.2 No. 141.
- Operating temperature range: 10 °C to 40 °C (50 °F to 104 °F).

Plenum ceiling installation

Standard suspended ceiling installation

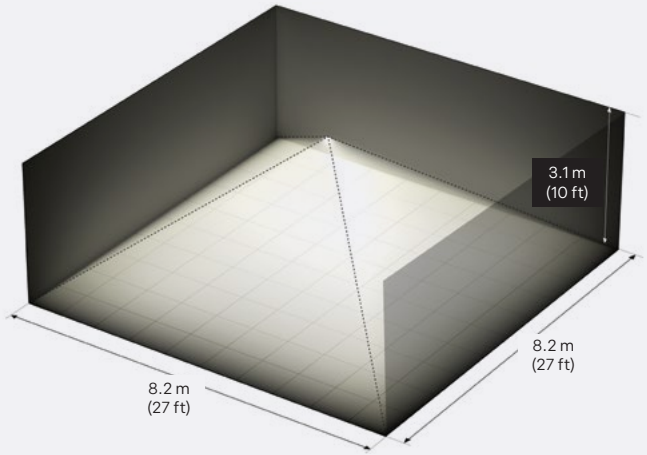


**Table B: Option "square distribution pattern" – single unit coverage[1]**

| Mounting height | Room size | Room surface |
|---|---|---|
| 3 m (10 ft) | 8.2 m x 8.2 m (27 ft x 27 ft) | 67.7 $m^2$ (729 $ft^2$) |

[1]Note: Illumination levels as per the Life Safety Code (NFPA 101): Average 1 fc, Minimum 0.1 fc, Max-to-min ratio 40:1. Typical reflectance levels of walls/ceiling/floor: 80/50/20.

# Benefits

### Cost effective

Our full range of architectural battery units and remote fixtures provides superior lighting performance with four high-intensity LED sources that cover up to 25 m (80 ft), reducing the number of units required.

### Easy installation

Equipped with a fixed optical device, the unit provides a pre-set, optimal lamp orientation that requires no adjustment during installation. This eliminates the risk of human error and ensures compliance with building codes. Egress-path lighting is optimized upon installation. The battery units and recessed remote fixtures are easily installed in drop ceilings using spring mounts.

### Enhanced safety and protection

The infrared remote control eliminates the need to use ladders for manual device testing. Tests can be performed effortlessly with our remote control or through our smart emergency lighting management system, Nexus®Pro. This system allows for tests to be done from anywhere, anytime, without disrupting power supply. Self-monitoring and maintenance notifications are generated in real-time using Nexus®Pro connectivity.

### Durability

Designed, manufactured, tested, and shipped in Canada, the battery units and recessed remote fixtures, as well as surface-mount versions, meet North American quality standards. They are made from durable thermoplastic, and the units feature a long-life lithium battery approved for high temperatures.

# How to order

| Recessed architectural battery unit | | | | |
|---|---|---|---|---|
| **Series** | **Colour** | **Unit type** | **Options** | **Voltage** |
| **LRAU =** recessed architectural unit | **WH =** factory white<br>**BK =** black | **Blank =** standard<br>**NEXP =** Nexus®Pro wireless Bluetooth®<br>**UN =** advanced diagnostics, non-audible | **Blank =** corridor lighting pattern<br>**D3 =** 15-minute time delay[1]<br>**P =** plenum/type IC rated<br>**SQ =** square distribution pattern | **Blank =** 120 to 374VAC, 50/60Hz |

**Example:** LRAUWH

[1]Available with corridor or square lighting pattern

| Recessed architectural remote fixture | | | |
|---|---|---|---|
| **Series** | **Colour** | **Voltage** | **Options** |
| **LRAUR =** recessed architectural remote fixture | **WH =** factory white<br>**BK =** black | **AC2 =** 120 to 277VAC, 50/60Hz<br>**DC =** 6 to 24VDC | **Blank=** corridor lighting pattern<br>**P =** plenum/type IC rated<br>**SQ=** square distribution pattern |

**Example:** LRAURWHDC

| Surface Mount Architectural Battery Unit | | | |
|---|---|---|---|
| **Series** | **Colour** | **Unit type** | **Options** |
| **LSAU =** self-powered surface architectural unit | **WH =** factory white<br>**BK =** black | **Blank =** standard charger (120 to 347VAC, 50/60 Hz)<br>**UN =** advanced diagnostics, non-audible<br>**NEXP =** Nexus®Pro wireless Bluetooth® | **Blank =** corridor lighting pattern<br>**D3 =** 15-minute time delay[1]<br>**SQ =** square lighting pattern |

**Example:** LSAUBKUN

[1]Available with corridor or square lighting pattern

**NOTE:** Pendant mount compatible. Pendant kit sold separately.

| Surface Mount Architectural Remote Unit | | | |
|---|---|---|---|
| **Series** | **Colour** | **Voltage** | **Options** |
| **LSAUR =** remote surface architectural unit | **WH =** factory white<br>**BK =** black | **AC =** 120 to 347VAC, 50/60Hz, 120VDC 8.2W<br>**AC2 =** 120 to 277VAC, 50/60Hz, 6.6/8.2W, P.F.≥0.9<br>**DC =** 6 to 24VDC, 6.5W | **Blank =** corridor lighting pattern<br>**SQ =** square lighting pattern |

**Example:** LSAURWHDC

**NOTE:** Pendant mount compatible. Pendant kit sold separately.

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For more information about our architectural product range, visit our website at: **lumacell.ca**

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Brochure ••• LUCAN-EN ••• 05/2025