



# LDE Series

## Die-Cast Aluminum Pictogram Edge-Lit Exit Sign



### FEATURES

- Self-Powered models provide minimum two hours of emergency lighting
- Die-Cast Aluminum construction
- Modular design offers great choice of architectural profiles
- Universal Die-Cast back-box for surface or semi-recessed mounting on ceilings or walls
- LED strip module can be rotated in the unit for either wall or ceiling mount
- Flat Die-Cast trim plate and galvanized steel back-box for recessed ceiling mount
- Clear acrylic panel with pictogram legend
- Long-life white LED light sources is warrantied for ten (10) years
- Universal AC input: two-wire 120 to 347VAC; universal DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5W in AC and DC remote modes
- Meets or exceeds CSA 22.2 No.141-15

See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)

### TYPICAL SPECIFICATIONS

Supply and install the **Lumacell® LDE Series** of Die-Cast pictogram Edge-Lit signs.

When specified for surface mount, the unit shall come standard with a trim plate, trim ring, back box and canopy made of Die-Cast aluminum with \_\_\_\_\_ finish. The trim plate shall have a \_\_\_\_\_ profile and allow for wall- or ceiling-mount installation. The trim ring shall allow for semi-recessed installation in walls or ceilings with cavity. The canopy shall allow for wall, end, or ceiling mount.

When specified for recessed ceiling-mount, the unit shall come standard with a flat trim plate of Die-Cast aluminum with \_\_\_\_\_ finish, a back box of galvanized steel, and a hardware kit for back box installation between ceiling joists. The back box shall be provided with conduit knock-outs at the top, back and end.

All Edge-Lit units shall have the trim plate snap and lock in the housing with torsion spring retainers, thereby eliminating any visible screws or hardware. The legend shall be printed on a clear acrylic panel. The panel shall come standard with double-face legend, for single-face and double-face applications. The light source shall be long-life white light-emitting diodes (LED) and shall provide even illumination in normal and emergency operation. The Edge-Lit sign shall operate with universal 2-wire AC input voltage of 120 to 347VAC at less than 2.5W and universal 2-wire DC input voltage from 6 to 24VDC at less than 2.5W. The Edge-Lit sign in a Self-Powered configuration shall use a sealed Nickel-Cadmium battery of 2.4V nominal voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure.

When specified, the Self-Powered unit shall include non-audible auto-test functions, managed by a micro-controller: it shall execute automatic tests for 5 minutes every 30 days, 30 minutes every 60 days and 120 minutes annually. When a fault is detected a red flashing LED shall identify the failure type: battery, charger circuitry, or LED lamps.

The Edge-Lit sign shall be CSA 22.2 No.141-15 certified.

The equipment shall be **Lumacell®** Model: \_\_\_\_\_.

### POWER CONSUMPTION

| MODEL                   | AC SPECS   |                 | DC SPECS               |                 |
|-------------------------|------------|-----------------|------------------------|-----------------|
| AC-only                 | 120/347VAC | Less than 2.5 W | -                      | -               |
| AC/DC standard          | 120/347VAC | Less than 2.5 W | 6 to 24VDC             | Less than 2.5 W |
| Self-Powered            | 120/347VAC | Less than 3.5 W | Nickel-Cadmium battery | 120 minutes     |
| Self-Powered diagnostic | 120/347VAC | Less than 3.5 W | Nickel-Cadmium battery | 120 minutes     |

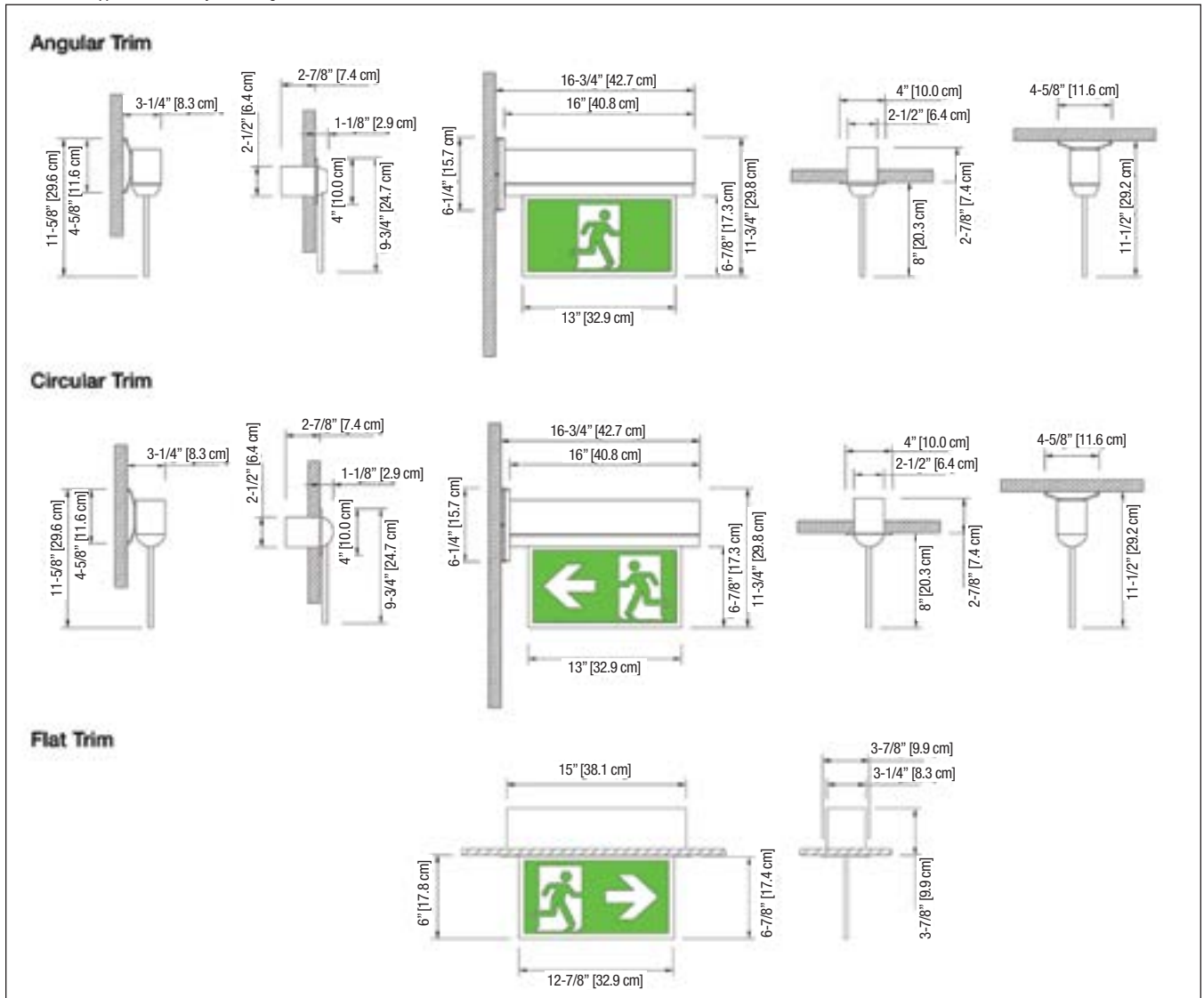
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### DIMENSIONS

Dimensions are approximate and subject to change.



### ORDERING INFORMATION

| SERIES                                     | FACES/ARROW  | HOUSING COLOUR   | TRIM  | VOLTAGE   |
|--|--|--|---|---|
| LDE= Die-Cast Edge-Lit pictogram exit sign | 1= single face, no arrows<br>2= double face, no arrows<br>L= arrow left, single face<br>R= arrow right, single face<br>A= double face, arrow left or right | A= brushed aluminum<br>B= black<br>C= chrome<br>P= polished brass<br>W= factory white<br>Z= bronze | A= angular<br>C= circular<br>F= flat (fully recessed) | AC= AC only, 120 to 347VAC<br>ACD= 120 to 347VAC, 6 to 24VDC option<br>U48= 120 to 347VAC, 48VDC<br>SP= Self-Powered, 120 to 347VAC<br>SD= Self-Powered (non-audible), 120/347VAC<br>SD2= Self-Powered (non-audible), 120/277VAC<br>NEX= NEXUS® system interface*<br>NEXRF= wireless NEXUS® system interface* |

EXAMPLE: LDE2ACSP

\*Note: Contrary to Exit Signs, the unit is not available in double arrow configuration.