

Type: _____
 Project/Location: _____
 Contractor: _____
 Prepared By: _____
 Date: _____
 Model No.: _____



GRAD Series Die-Cast LED Exit Sign

FEATURES

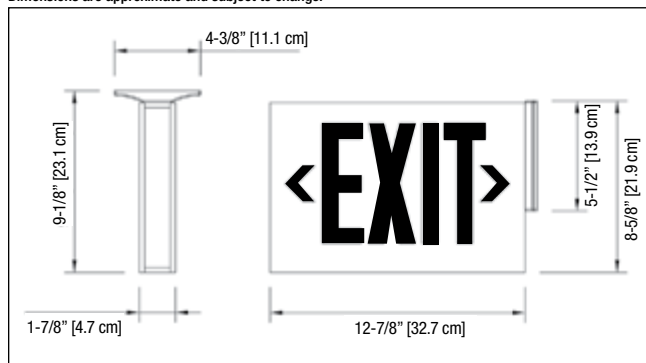
- Housing of Die-Cast Aluminum in a variety of finishes
- Slim-line canopy for top and end mounting
- Universal mounting or: wall, end, or ceiling
- Universal, field-selectable knock-out chevrons
- Long-life LED light source of **ALINGAP** technology assures low maintenance cost and is warrantied for ten (10) years
- Dual voltage input: 120/347VAC 60Hz options
- Low power consumption: less than 3.5W in any configuration
- Self-Powered models with sealed maintenance-free Nickel-Cadmium batteries
- Meets or exceeds CSA 22.2 No.141-15

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



DIMENSIONS

Dimensions are approximate and subject to change.



TYPICAL SPECIFICATIONS

Stylish built in Die-Cast aluminum, the new **GRAD Series** offer superior workmanship, versatile mounting capabilities and economical, long-lasting LED performance.

Supply and install the **Lumacell® GRAD Series** Exit Sign. The frame, face plate(s), back plate and canopy shall be constructed of Die-Cast aluminum of _____ finish and _____ color. No screws are necessary to hold the faceplate(s) or the back plate to the housing. The unit shall be suitable for installation on wall, end, or ceiling mount. The faceplates shall come standard with knockout chevrons. The light source shall be light emitting diodes (LEDs).

Red LED technology shall be **ALINGAP**. The LEDs shall provide illumination in normal and emergency operation and shall be mounted inside the exit housing, not on the face. A LED-sensitive diffuser shall be mounted in front of the LEDs to provide the 6" high by 3/4" stroke letters with even illumination. The Exit Sign in a Self-Powered configuration shall be equipped with a sealed, maintenance-free Nickel-Cadmium battery. The equipment shall operate with a dual-voltage input of 120/347VAC 60Hz with less than 3.5W of consumption. The equipment shall stay illuminated at least 90 minutes upon AC failure. The Exit Sign shall be listed to UL924 standard and be approved for use in Damp Locations.

When specified, the Self-Powered model equipped with advanced diagnostic shall self-test by simulating a power failure for one minute every 30 days, 30 minutes every 60 days and 90 minutes every 360 days. A diagnostic circuit shall continuously monitor the performance of the battery, charger module and LED lamps. Upon failure detection the system shall display the error on the AC pilot lamp, which will change color from green to red and will flash with a specific code. The red light shall be steady-on in case of "Battery Disconnect"; it shall flash with one blink for "Battery failure", two blinks for "Charger failure" and four blinks for "LED lamp failure". A label with the diagnostic legend shall be visible next to the pilot light.

The Exit Sign shall be CSA 22.2 No.141-15 certified.

The Exit Sign shall be **Lumacell®** Model: _____.

POWER CONSUMPTION

MODEL	AC SPECS		DC SPECS	
AC only	120/347VAC	Less than 3W	-	-
AC/DC remote	120/347VAC	Less than 3W	6 to 48VDC	Less than 1.5W
Self-Powered	120/347VAC	Less than 3.5W	Nickel-Cadmium battery	Minimum 90 minutes
Self-Powered with diagnostic	120/347VAC	Less than 3W	Nickel-Cadmium battery	Minimum 90 minutes

ORDERING INFORMATION

SERIES	HOUSING/ FACEPLATE COLOUR	UNIT TYPE	VOLTAGE	LEGEND COLOUR	OPTIONS
GRAD = LED Die-Cast	A = brushed aluminum B = black BA = black/ brushed aluminum W = factory white WA = white/ brushed aluminum	AC = AC only AC2C1 = dual AC circuit (2 x 120V) UNV = 120/277 or 120/347VAC & 6 to 48VDC SDN = Self-Powered diagnostic Ni-Cd SPN = Self-Powered Ni-Cd NEX = NEXUS® system interface* NEXRF = wireless NEXUS® system interface*	Blank = dual AC circuit only 2 = 120/277VAC 3 = 120/347VAC	G1 = single face green G2 = double face green R1 = single face red R2 = double face red	TP = tamper-proof screws* VRTP = polycarbonate shield with tamper-proof screws* * 990.0119-L= tamper-proof bit (sold separately)

EXAMPLE: GRADAAC2R1