



Shown: DXLN1RWFRW (front view)



DX Series

- **Specification Grade Fully Recessed, Die Cast Aluminum Exit Signs**
- **Energy-Saving LEDs**
- **AC Only and Self-Powered**

Housing

- Frame and stencil face constructed of die cast aluminum alloy
- Choose from black or white frame with brushed aluminum stencil face, black frame with black stencil face, or white frame with white stencil face
- Stencil door includes NFPA-type field selectable chevrons
- Includes a white or black 20 gauge galvanized steel mounting frame for fully recessed drywall installations
- Positive latching exit stencil face provides a secure closure yet is easily accessible for installation, maintenance and inspection
- Vandal resistant versions include tamper resistant hardware and a .08" thick polycarbonate protective lens mounted outside the exit stencil
- Slim 2.5" recessed depth allows mounting flexibility in shallow aluminum stud wall systems, as well as standard wood stud/sheetrock applications

Illumination

- Illumination provided by long lasting, high output LEDs
- Hot spots and striations are eliminated by a combination of indirect and direct aiming points covering the exit stencil face.

Battery

- Maintenance free, sealed nickel cadmium battery has an expected service life of 10 years with an operating range of 20°F (-7°C) to 95°F (35°C)*
- Nickel cadmium batteries are ideal for areas with higher ambient temperatures
- Battery supplies 90 minutes of emergency power

* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

Warranty

Electronics: 3 years

Battery: 5 years full, 5 years pro-rata

Electronics

AC Only

- 120/277 VAC dual input capability

Self-Powered

- 120/277 VAC Dual voltage with Surge-protected circuitry
- LEDs are driven well below their current ratings
- Constant current charger
- Low voltage disconnect prevents deep discharge during extended power failure
- Labor saving AC lockout installation feature
- Brownout protection (unit activates when AC voltage drops 20% below nominal)

Electrical Specifications

AC Only

- Power consumption for red LEDs is 3.32 watts
- Power consumption for green LEDs is 4.11 watts

Self-Powered

- Power consumption for red LEDs is 4.39 watts
- Power consumption for green LEDs is 3.52 watts

Code Compliance

- UL 924 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

Application

- Ideal for industrial and commercial locations where an attractive and highly reliable exit sign is desired

DX Series, Fully Recessed LED

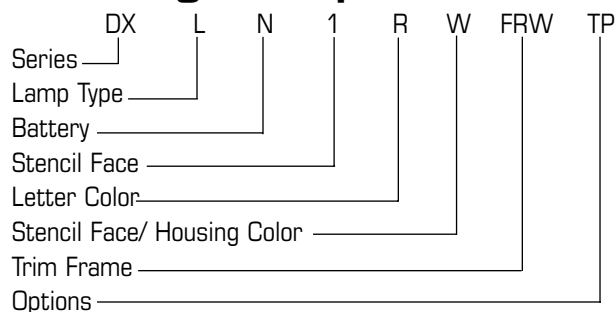
Ordering Information

DX	L		1				
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/ HOUSING COLOR	TRIM FRAME	OPTIONS ¹
DX	L = LED	N = Nickel Cadmium A = AC Only	1 = Single	R = Red G = Green	A = Natural Brushed Aluminum Stencil Face B = Black Stencil Face W = White Stencil Face	FRW = White Trim Frame FRB = Black Trim Frame	2CKT1 = 120 VAC Two Circuit Wiring 2CKT2 = 277 VAC Two Circuit Wiring BF = Buzzer/Flasher (Emergency Units Only) BZ = Buzzer (Emergency Units Only) DC6 = 6 VDC Remote Emergency Power DC12 = 12 VDC Remote Emergency Power EX = Special Input Transformer (Specify voltage & frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher TP = Tamperproof VRS = Vandal Resistant Lens with Tamperproof Hardware

NOTE: 1) Some option combinations may impact UL listing. Consult factory for specifics.

ACCESSORIES (Ordered Separately)
T15TPTOOL = Tamperproof Screwdriver

Ordering Example



Suggested Specification

Furnish and install Lightguard LED exit sign model _____. The exit shall be listed to Underwriter's Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code (NEC).

INSTALLATION AND OPERATION - Exit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. (Self-Powered Only) - Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

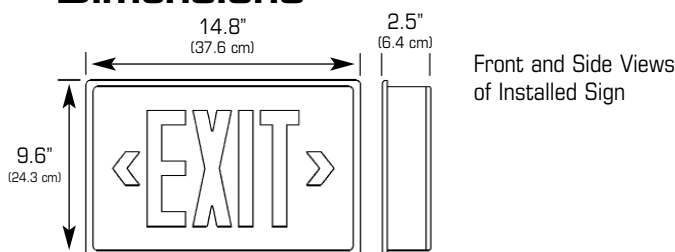
CHARGER (Self-Powered Only) - Product shall utilize a constant current charging system which will maintain the battery at full capacity without the need for periodic exercising or equalization. The following features shall be standard: Low voltage disconnect (LVD), brownout protection and AC lockout. Five year warranty provided.

BATTERY (Self-Powered Only) - The battery shall be maintenance free, sealed nickel cadmium utilizing sintered plate construction and polypropylene separators for trouble-free operation in ambient temperatures up to 95°F (35°C). Nickel cadmium batteries are supplied with a five year warranty.

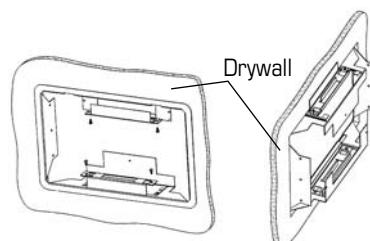
ILLUMINATION - The DX Series indirect view LED exit signs shall incorporate high intensity LEDs. The LEDs shall be designed so that the unlikely failure of one LED will not affect the integrity of the total sign in the emergency mode. The DX Series exit equipped with red LEDs shall consume 3.32 watts (120 VAC) or 4.11 watts (Self-Powered). The DX Series exit equipped with green LEDs shall consume 4.39 watts (120 VAC) or 3.52 watts (Self-Powered).

HOUSING - The exit sign housing shall be constructed of heavy duty die cast aluminum. The final housing finish shall be an epoxy-based powder coat paint. The exit stencil face shall be constructed of the same aluminum alloy and will be completed with a brushed finish or matching paint. Chevron direction shall be field selectable, and if left in place will not disturb the visual line of the exit face. Product will be furnished with a 20 gauge galvanized steel recessed mounting frame, which is compatible with wall thicknesses up to 3/4", and can be installed during the rough-in construction stage, without exposing final product to paint overspray or job site dust.

Dimensions



Front and Side Views of Installed Sign



Front and Back Views of Recessed Frame and Mounting Brackets

Wall Cutout: 9.12" x 13.75"

Dimensions are approximate and subject to change.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



272 West Stag Park Service Road • Burgaw, NC 28425
 (910) 259-1131 • FAX (800) 403-6927
 www.lightguard.com

L2121R13
 5/09 IH