

Catalog Number	
Notes	Type



**ENDURANCE
SERIES**
*Edgelit Exit
LED Lamps
Recessed/Surface*



Description:

The Encore "Endurance" Series is a recessed or surface mounted LED Edgelit Exit sign with a brushed aluminum extruded aluminum trim plate. A crystal clear acrylic panel hangs from the trim plate providing a slim, nearly invisible aesthetic sign. The LED illuminator uses ultra high brightness Piranha type LEDs providing bright, consistent illumination. The Endurance Series is available AC only or Battery Backup. The battery version utilizes high temperature maintenance free NiCad batteries. The recessed housing has adjustable mounting bars to allow proper ceiling fit in any application.

Electronics:

Both Battery and AC only units accept input of 120/277 VAC, 60 Hz. Power consumption is 1.9 watts. Battery backup models use NiCad batteries, maintenance free. Charging is accomplished with a constant current charger capable of recharging as per UL924 standards. No mechanical relays are used, transfer is accomplished using solid state circuitry.

Housing:

Recessed housing is constructed of 18 gauge galvanized steel. All electronics, including the battery, when applicable, are mounted and prewired in the housing allowing for complete wiring prior to the installation of the panel/trim assembly. The electronics are mounted on a removable sub-chassis to facilitate mounting and maintenance. The recessed housing is provided with vertically adjustable mounting bars allowing for a proper flush ceiling fit. 1/2" conduit knockouts are included on both sides as well as on top of the housing. Surface mounted units utilize a one piece, tapered, brushed aluminum extrusion. Surface housings can be mounted back wall, end wall, ceiling, or pendant. Consult factory.

LED Illuminator:

The LED illuminator consists of 10 Ultra bright Piranha LEDs. The Piranha LED has a nearly 180 degree emitting angle allowing for even illumination. The LEDs are wired in sets of two, insuring in the unlikely event of a single LED failure, the sign will continue to be illuminated.

Trim/Panel Assembly:

The Trim/Panel assembly consists of die formed clear acrylic attached to an extruded aluminum trim plate. The panel assembly consists of two panel halves ultrasonically welded together, no hardware is visible. The Trim/Panel is attached to the housing using invisible torsion springs, no hardware is visible. The "EXIT" letters are silk screened onto the acrylic, using a LED frequency matched paint. Each letter is outlined with a 1/8" groove. The standard trim finish is Brushed Aluminum, bright dipped to stop noticeable finger prints. Other trim finishes are available, see ordering chart below.

Approvals/Warranty:

UL924 listed, Life safety NFPA 101, NEC/OSHA, New York City approved. LED illuminator warranted for 25 years, charger covered by 3 year warranty, NiCad batteries covered by 10 year warranty, 3 years complete, 7 years prorated.

Complete Recessed Units

Operation	Mounting	No of Faces	Letter Size	Letter/Panel	Trim Finish	Arrow Direction
A A/C Only	C Ceiling W Wall	1 Single	6	RC Red/Clear RW Red/White	A Br. Aluminum PA Pol. Aluminum	AL Arrow Left AR Arrow Right
E Battery		2 Double	8	RM Red/Mirror GC Green/Clear GW Green/White PO Phosphorescent	PB Pol. Brass BZ Bronze B Black W White	LR Double Faced Arrows DH Double Headed Arrows U Universal Arrows

Trim and Panel Only (Recessed) Add Prefix "T"

Housing Only (Recessed)
HE Battery Housing
HA A/C Only Housing

Surface Mounted Add Prefix
SCM Surface Ceiling Mount
SPM Surface Pendant Mount
SBM Surface Back Mount
SEM Surface End Mount

Universal arrows allow flexible field selection.

Nicad Batteries.

25 years LED Lamps.

Brushed Aluminum Trim Plate.

18 gauge galvanized steel, recessed housing is vertically adjustable.

Dual 120/277 VAC, 60H input.

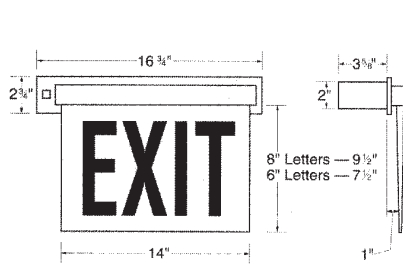
Invisible torsion springs secure trim plate to housing.

Adjustable hanger bars.

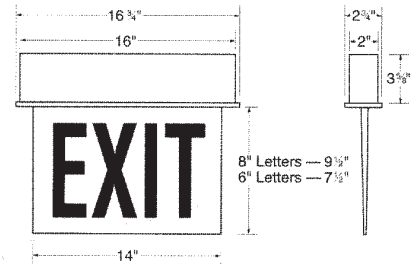




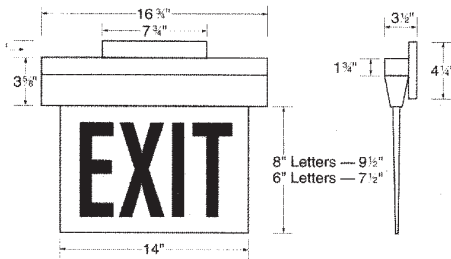
Recessed, Wall Mount



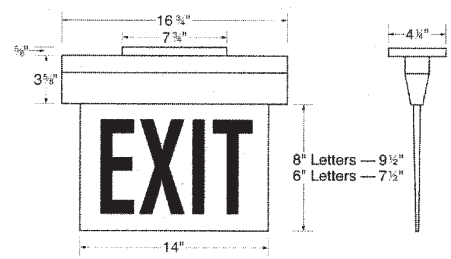
Recessed, Ceiling Mount



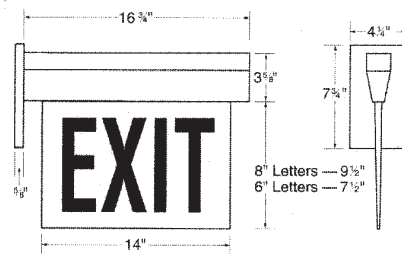
Surface, Wall Mount



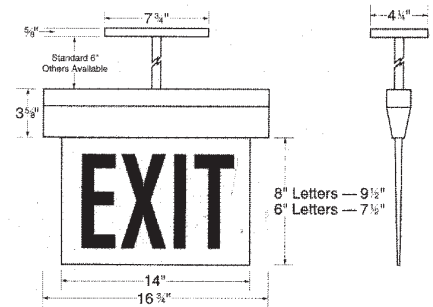
Surface, Ceiling Mount



Surface, End Mount



Surface, Pendant Mount



Energy Data
(Fully Discharged Battery)

Series	Input (VAC)	Input Current (ma)	Watts
HA	120	15	1.9
HE	120	22.0	2.2
HA	277	9	2.3
HE	120	20	2.5

Arrow Direction Key

<u>Cat. Code</u>	<u>Panel Front</u>	<u>Panel Back</u>
AL	<EXIT	Blank
AR	EXIT>	Blank
DH	<EXIT>	<EXIT>
<i>(single face or double face)</i>		
LR	<EXIT	EXIT>