ESW EXIT SIGN WAREHOUSE
EMERGENCY LIGHTING AND ELECTRIC SUPPLY

NY-LL Series

NEW YORK CITY APPROVED STEEL EMERGENCY LIGHTING

Model Number:	Approvals:
Accessories:	
Job: Type:	

FEATURES

- Meets City of New York Emergency Code requirements
- Enclosure constructed of rugged 20 gauge steel
- Available in 6 or 12 volt with wattages ranging from 18-54 watts - with knockouts for side mounted heads allowing for up to 3 lamp heads per unit
- Charge rate/power "ON" LED indicator light with test button
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- UL recognized maintenance-free lead acid battery
- ETL listed 90 minute emergency run time, 24 hour recharge time
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Optional time delay feature available
- Standard finishes: Black and white
- 120/277V dual primary, 60Hz input
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details

The NY-LL Series combines performance and dependability into a rugged 20 gauge enclosure. Available in a wide variety of battery wattages and lamp styles to complement any application.

WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 1 year with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

1/5 WARRANTY

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION **Example:** NY-LL

Series	**Wattage**	**Lamp Heads**[1]	**# of Lamp Heads**	**Finish**	**Options** (Factory Installed)
NY-LL6 = 6 Volt	**6 Volt**	**6 Volt Tungsten**	0 = NO Lamps Heads	W = White	L[2] = Large Box
NY-LL12 = 12 Volt	18 = 18 Watts	T0609 = 9 Watt	2 = 2 Lamp Heads		USA = Meets Buy American Requirements
	27 = 27 Watts	**12 Volt Tungsten**	3 = 3 Lamp Heads		
	54 = 54 Watts	T1209 = 9 Watt			
	12 Volt				
	36 = 36 Watts				
	54 = 54 Watts				

[1] Alternate lamp heads are available, see Remote Lamp Heads specification sheet or consult factory
[2] 18 - 27 watt units only

CONSTRUCTION
The NY-LL6 and NY-LL12 series are die-formed 20 gauge steel housings with epoxy powder coat finish. White finish is standard. Universal J-box mounting patter and keyhole slots provided for simple installation. Knockouts are provided on top, back, and sides for easy wire entry. Can also be shelf mounted – ordered separately.

ILLUMINATION
Fully adjustable, attractive lamp heads allow for maximum light to be delivered to the path of egress. Up to 4 lamp heads may be installed on each emergency unit. Emergency lights consist of two 6 volt 7.2 watt T style lamp heads, 12 volt units are supplied with 9 watt T style lamp heads standard. The NY-LL6 and NY-LL12 series are RENEGADE compatible – 3.6W LED per head (REN-2 heads).

ELECTRICAL
Input
Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Lead Acid Battery – SLA (With Battery Only)
Sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries provide a relatively large power-toweight ratio making them ideal for emergency applications. Lead Acid batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead Acid batteries perform optimally in temperatures ranging from 15-40 degrees C.

Emergency
The NY-LL6 and NY-LL12 series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit
The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect
When the battery's terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer
The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection
The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button
Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION
A universal mounting pattern and rear keyhole slots are provided for wall mounting.

Made in the USA (Option: USA)
Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 or 3 compliance when option is requested – please call factory for details with questions.

Guardian Self-Test/Self-Diagnostics (Option: G2)
The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

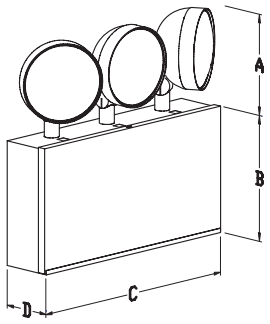
The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Time Delay (Option: TA or TB)
The purpose of this feature is to allow additional time for "normally on" fixtures to return to full brightness prior to extinguishing the supplemental light from the emergency fixtures.

CONFORMANCE TO CODES & STANDARDS
The NY-LL6 and NY-LL12 Series are UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS



WATTAGE	A	B	C	D
18-27 (2 heads)	6.00"	9"	10.25	2.5"
27-54 (3 heads)	6.00"	10.5"	14.5	2.5"