

Proline® LEC Series

LEC Combination Exit Sign and Emergency Lighting



CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

The Proline® LEC LED Combination Exit Sign and Emergency Lighting Series is available in a variety of housing and face panel styles, finish and letter colors, and options for either integral battery back-up or hard-wired. Code-specific models are also available for California T20, New York, and City of Chicago. To complete your projects, matching accessories are offered separately.

CONSTRUCTION

Housing: **Thermoplastic:** 5VA flame retardant, high impact curved design

Steel: 20-gauge

Lens: **Thermoplastic & Steel:** Thermoplastic face panels

Paint: White or Black Finish (Steel models only)

Weight: **Thermoplastic:** 4.1–4.2lbs

Steel: 15.4–25.2lbs

OPTICAL SYSTEM

Distribution: Universal Single/Double Face (Thermoplastic & Steel)

Color: Red or Green LEDs

NYC & Chicago: Red 8-inch EXIT letters

Lamp Heads: White LED lamp heads with high performance chrome-plated metallized reflector and plastic lens.

Thermoplastic: Two adjustable Round heads, 1W/head @44.6lm

Steel (NYC): Two adjustable heads, 1.5W/head, with field installable 3rd emergency lighting head included. KOs provided on sides of unit to relocate heads.

Steel (Chicago): Two adjustable heads, 5.3W/head

ELECTRICAL

Input Voltage: Universal 120–277V

Input Frequency: 60Hz

Input Wattage / Amperage (Standard): **Thermoplastic Red LED:** 3.7W (120V), 3.8W (277V)/0.04A (120V), 0.02A (277V)

Thermoplastic Green LED: 3.0W (120V), 3.2W (277V)/0.03A (120V), 0.014A (277V)

Steel (NYC): 5.2W (120V), 6.2W (277V)/0.06A (120V), 0.04A (277V)

Steel (CHI): 12W (120V), 13W (277V)/0.12A (120V), 0.06A (277V)

Battery: **Rechargeable NiCd Battery (EM Models):**

9.6V min 90-minute emergency illumination

Chicago:

6V sealed lead acid rechargeable battery for min 120-minute emergency illumination

For self-diagnostic and remote capacity electrical information, refer to page 2.

CODE COMPLIANCE

Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes

Standard: Thermoplastic

NYC & Chicago: Steel

California: Thermoplastic

OPERATING AMBIENT TEMPERATURE

Product ID	Operating Temperature
LEC	0° – +40° C (UL Damp rating)
LEC Steel (NYC)	0° – +50° C (UL Damp rating)
LEC Steel (Chicago)	20° – +50° C (UL Damp rating)

MOUNTING

- **Thermoplastic:**
 - Easy snap mounting canopy included for top or end mount.
 - Universal KO pattern on back plate for wall mount.
 - Snap-out chevron directional indicators.
- **Steel (NYC):**
 - Mounting hardware provided for back surface wall mount.
 - Mounting hardware provided for ceiling (2-head model) or end mount.
 - Snap-out chevron directional indicators.
 - Knockouts provided for conduit feed applications.
- **Steel (CHI):**
 - Mounting canopy included for top or end mount.
 - Universal Knockout pattern on back plate for wall mount.

ADDITIONAL NOTES

- Charge rate/power “ON” LED indicator light and push-to-test switch for mandated code compliance testing.
- Internal solid-state transfer switch automatically connects the internal battery to LED board & lamp heads for minimum 90-minute emergency illumination. (Chicago models are min 120-minute emergency illumination)
- Low voltage disconnect prevents battery from deep discharge
- Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery in 24 hours.
- **Current's Limited 5-year Warranty:**
Please refer to document [IND699](#) for more information.

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Ordering Information

CUSTOMER NAME

Project Name _____

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MATERIAL NUMBER	CATALOG LOGIC	MATERIAL DESCRIPTION
THERMOPLASTIC*		
93144767	LECTPWRS	All LED Exit & Emergency Thermoplastic Combo, Red Letters, White Housing, No Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144766	LECTPWSSD	All LED Exit & Emergency Thermoplastic Combo, Red Letters, White Housing, No Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144765	LECTPWRSRC	All LED Exit & Emergency Thermoplastic Combo, Red Letters, White Housing, Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144764	LECTPWSRCSD	All LED Exit & Emergency Thermoplastic Combo, Red Letters, White Housing, Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144771	LECTPWGS	All LED Exit & Emergency Thermoplastic Combo, Green Letters, White Housing, No Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144770	LECTPWGSSD	All LED Exit & Emergency Thermoplastic Combo, Green Letters, White Housing, No Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144769	LECTPWGSRC	All LED Exit & Emergency Thermoplastic Combo, Green Letters, White Housing, Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144768	LECTPWGRCSD	All LED Exit & Emergency Thermoplastic Combo, Green Letters, White Housing, Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144775	LECTPBRS	All LED Exit & Emergency Thermoplastic Combo, Red Letters, Black Housing, No Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144774	LECTPBSSD	All LED Exit & Emergency Thermoplastic Combo, Red Letters, Black Housing, No Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144773	LECTPBRSRC	All LED Exit & Emergency Thermoplastic Combo, Red Letters, Black Housing, Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144772	LECTPBRSRCSD	All LED Exit & Emergency Thermoplastic Combo, Red Letters, Black Housing, Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144779	LECTPBGs	All LED Exit & Emergency Thermoplastic Combo, Green Letters, Black Housing, No Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144777	LECTPBGsRC	All LED Exit & Emergency Thermoplastic Combo, Green Letters, Black Housing, Remote Capacity, No Self-Diagnostics, TWO SQUARE Lamp Heads,
93144778	LECTPBGSSD	All LED Exit & Emergency Thermoplastic Combo, Green Letters, Black Housing, No Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
93144776	LECTPBGsRCSD	All LED Exit & Emergency Thermoplastic Combo, Green Letters, Black Housing, Remote Capacity, Self-Diagnostics, TWO SQUARE Lamp Heads,
STEEL - CODE SPECIFIC		
93144825	LECSTW1RNY	New York City Compliant All LED Exit & Emergency Steel Combo, Red Letters, White Housing, Single Face, No Remote Capacity, No Self-Diagnostics, THREE SQUARE Adjustable Lamp Heads
93144821	LECSTW1RCCCH	City of Chicago Compliant All LED Exit & Emergency Steel Combo, Red Letters, No Arrows, White Housing, Single Face, Remote Capacity, No Self-Diagnostics, TWO ROUND Adjustable Lamp Heads
93144822	LECSTW1RCH	City of Chicago Compliant All LED Exit & Emergency Steel Combo, Red Letters, No Arrows, White Housing, Single Face, No Remote Capacity, No Self-Diagnostics, TWO ROUND Adjustable Lamp Heads
93144823	LECSTWRRCCCH	City of Chicago Compliant All LED Exit & Emergency Steel Combo, Red Letters, No Arrows, White Housing, Universal Face, Remote Capacity, No Self-Diagnostics, TWO ROUND Adjustable Lamp Heads
93144824	LECSTWRCH	City of Chicago Compliant All LED Exit & Emergency Steel Combo, Red Letters, No Arrows, White Housing, Universal Face, No Remote Capacity, No Self-Diagnostics, TWO ROUND Adjustable Lamp Heads
OPTIONAL - REMOTE HEADS		
93144790	LEARHW1	LED Indoor Thermoplastic Remote Adjustable Single SQUARE Head, For Standard Non Self-Diagnostic Fixtures, Multi-Volt (3.6V,6V,9.6V,12V), White , 8 LEDs 1W
93144792	LEARHW1SD	LED Indoor Thermoplastic Remote Adjustable Single SQUARE Head, For Use With Fixtures With Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), White , 8 LEDs 1W
93144794	LEARHW2	LED Indoor Thermoplastic Remote Adjustable Double SQUARE Head, For Standard Non Self-Diagnostic Fixtures, Multi-Volt (3.6V,6V,9.6V,12V), White , 8 LEDs 1W
93144796	LEARHW2SD	LED Indoor Thermoplastic Remote Adjustable Double SQUARE Head, For Use With Fixtures With Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), White , 8 LEDs 1W
93144791	LEARHB1	LED Indoor Thermoplastic Remote Adjustable Single SQUARE Head, For Standard Non Self-Diagnostic Fixtures, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W
93144793	LEARHB1SD	LED Indoor Thermoplastic Remote Adjustable Single SQUARE Head, For Use With Fixtures With Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W
93144795	LEARHB2	LED Indoor Thermoplastic Remote Adjustable Double SQUARE Head, For Standard Non Self-Diagnostic Fixtures, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W
93144797	LEARHB2SD	LED Indoor Thermoplastic Remote Adjustable Double SQUARE Head, For Use With Fixtures With Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W
93149460	LEARHB1OUT	LED Outdoor Polycarbonate Remote Single Head, For Use With Fixtures Without Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W
93149481	LEARHB2OUT	LED Outdoor Polycarbonate Remote Double Head, For Use With Fixtures Without Self-Diagnostic Option, Multi-Volt (3.6V,6V,9.6V,12V), Black , 8 LEDs 1W

Ordering Notes:

- More options available, contact manufacturer for quote
- ALWAYS REFER TO INSTALLATION GUIDES FOR PRODUCT COMPATIBILITY AND PROPER INSTALLATION PROCESS

Notes:

* CA CEC T20 Compliant

Self-diagnostic (optional):

- Self-diagnostic feature performs monthly, biannual, and annual tests to ensure reliable operation and meet electrical and life safety codes.
- **Thermoplastic GREEN/RED:** 5.2W (120V), 5.7W (277V)/0.046A (120V), 0.022A (277V)

Remote Capacity:

- Available for ONE or TWO additional heads
- **Thermoplastic RED LED:** 3.4W (120V), 3.6W (277V)/0.033A (120V), 0.015A (277V)
- **Thermoplastic GREEN LED:** 3.0W (120V), 3.2 (277V)/0.03A (120V), 0.014A (277V)
- **With Self-Diagnostic - Thermoplastic GREEN/RED:** 5.2W (120V), 5.7W (277V)/0.046A (120V), 0.022A (277V)
- **Steel (NYC):** 1.5–3W
- **Steel (Chicago):** 10W

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Dimensions

CUSTOMER NAME

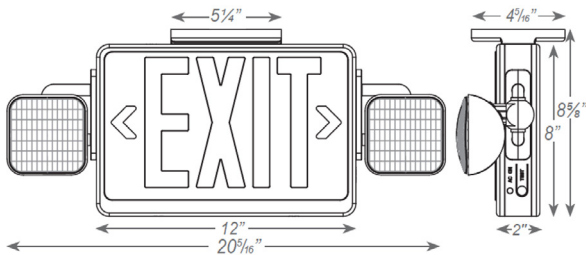
Project Name _____

Date _____ Type _____

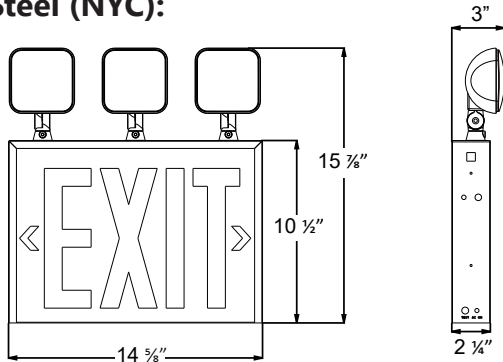
Catalog Number _____

MODELS

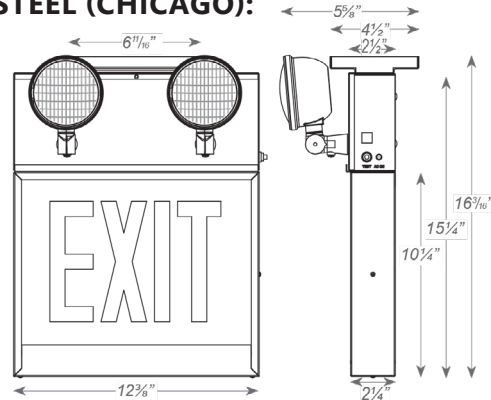
Thermoplastic (Standard & CA CEC T20):



Steel (NYC):

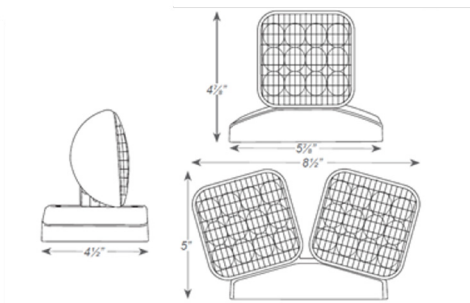


STEEL (CHICAGO):



REMOTE HEADS

Remote Heads (INDOOR = Thermoplastic & OUTDOOR = Polycarbonate)



Electrical

- 1W per head
- Powered by low voltage power source with low voltage wiring (not provided)

Mounting

- Universal mounting adapter plate included
- Mounts to: single-gang switch box
- Distance of maximum run is determined by system voltage, wire gauge and total maximum wattage on the run.
- Suitable for wall or ceiling mount.

Other

- Self-diagnostic option available on some models
- Compatible with Thermoplastic or Steel models
- Weight: 1.2–1.6lbs

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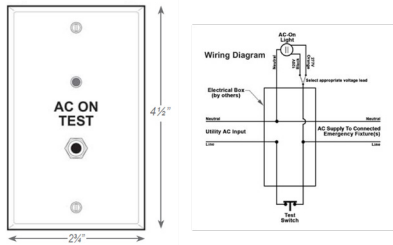
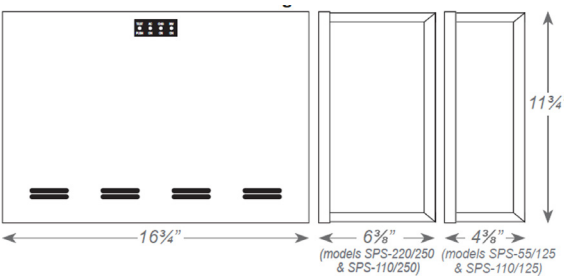
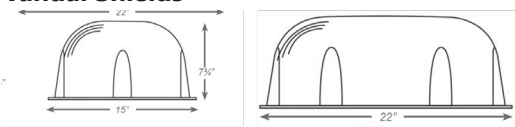
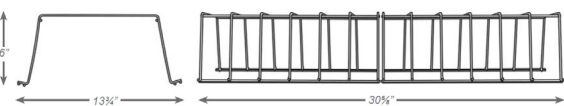
Accessories

AGENT/DISTRIBUTOR NAME-LOGO

Project Name _____

Date _____ Type _____

Catalog Number _____

ACCESSORY TYPE	CATALOG LOGIC	SPECIFICATION NOTES
Remote Test Switch 	SKU# 93144798 LEARTS	<ul style="list-style-type: none"> Field selectable 120V or 277V. Power "ON" LED indicator light and push-to-test switch for mandated code compliance testing. Remote Test Switch can be mounted to any standard switch box, and suitable for wall or ceiling mount. Injection-molded, engineering grade, V-0 flame retardant mounting plate in white finish.
Surface Mount INVERTERS 	SKU# 93144805 LEAI1 (110W/125VA) SKU# 93144806 LEAI2 (220W/250VA)	<ul style="list-style-type: none"> Pulse width modulated (PWM) output design provides clean, 60 Hz. sinusoidal emergency power to loads. Input <ul style="list-style-type: none"> Input Voltages: 120 or 277VAC $\pm 10\%$ Input Frequencies: 60Hz $\pm 2\%$ Input Protection: AC Line Fuses Output <ul style="list-style-type: none"> Output Voltages: (60Hz) 120 or 277VAC Efficiency Rating: 98% at full rated load (line) Waveform: Sinusoidal (digitally controlled) Static Voltage: $\pm 5\%$ during battery discharge. 0–100% linear load. Output Frequencies: 60Hz. $\pm 0.3\text{Hz}$ during emergency cycle Output Distortion: Less than 3% THD (linear load) Transfer Time: Less than 1.0 second Load Power Factor Range: 0.44 Lead to 0.44 Lag Minimum Loading: 0% of rated system capacity Output Protection: Line and inverter fuses
Vandal Shields 	SKU# 93144800 LEAVSS2 (For LEC Thermoplastic Models only)	<ul style="list-style-type: none"> High-impact resistant polycarbonate material. Mounting hardware provided for easy installation in the field.
Wire Guards 	SKU# 93144804 LEAWGS2 (For LEC Thermoplastic Models only)	<ul style="list-style-type: none"> Durable 9-gauge steel construction. Mounting hardware provided for easy installation in the field.

Ordering Notes:

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- ALWAYS REFER TO INSTALLATION GUIDES FOR PRODUCT COMPATIBILITY AND PROPER INSTALLATION PROCESS

For Product or Technical Questions:

Email: lightingproinfo@gecurrent.com

Phone: +1 888 694 3533, option 2



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Fast, Reliable, and Trusted Lighting Partner