

## Distinction™ Series

Decorative 6, 12 and 24V



### Features

#### High performance and energy efficiency in a contemporary design.

The **Distinction™ Series** decorative battery units combine a contemporary design with the latest in high-tech security capability.

Designed to meet the needs of interior design professionals, these battery units are also high performance and energy-efficient.

- Rugged steel cabinet with corrosion-resistant undercoating
- Removable front panel on cabinet provides easy access and allows unit to be mounted at ceiling height
- Solid-state pulse-type charger – current-limited, temperature-compensated
- Unit comes standard with electronic lockout and brownout circuits
- Sealed dust-proof transfer relay, test switch and LED indicator lights continuously monitor unit status
- Long-life, maintenance-free lead acid battery
- NEXUS® compatible (for more information on NEXUS®, please consult your sales representative)
- CSA C22.2 No. 141 certified
- Advanced diagnostics capabilities (specific load requirements)
- **Warranty details at: [www.emergi-lite.ca](http://www.emergi-lite.ca)**

Nexus® Pro



nexus®

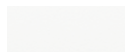


Made in Canada

Housing colour



Black



Polar white

### Typical specifications

Supply and install the **Emergi-Lite® Distinction™ Series** battery units.

The battery unit will supply the rated load for a minimum of hour to 87.5% of the rated battery/voltage. The unit shall be rated 120 or 347V, 60 Hz and be CSA No.141 listed. The charger shall be fully computer tested and its charge voltage factory set to  $\pm 1\%$  tolerance. A pulse type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide continuous high charge to recharge the battery. When the battery is at full capacity the charger will shut off. The pulse charge shall be current limited and precisely regulated by an electronic circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected.

The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage.

A low voltage battery protection circuit will disconnect the battery at end of the discharge. The unit will come complete with the **Distinction™ Series** diagnostics micro-controller board option. The unit shall self- test for 1 minute every 30 days, 10 minutes on the 6th month and 30 minutes every 12 months. The unit shall be furnished with a sealed dust tight relay, a selectable test switch 1 minute, 5 minutes, 10 minutes or 20 minutes and diagnostics LED indicator lights to continuously monitor the status of the unit: battery failed, battery disconnect, charger failure, lamp failure, service alarm, AC “ON” and charger “ON”.

The unit shall be **Emergi-Lite®** model: \_\_\_\_\_.

### Wire guards

Ordering code	Mounting	Cabinet
460.0078-E	Wall mount	“A” cabinet
460.0081-E	Wall mount	“B” cabinet
460.0034-E	Wall mount	“C” cabinet

### Replacement lamps

Ordering code	Lamp type	Voltage/wattage
580.0093-E	MR16, LED	12V-4W
580.0098-E	MR16, LED	24V-4W
580.0097-E	MR16, LED	6V-4W
580.0122-E	MR16, LED	6V-5W
580.0100-E	MR16, LED	24V-6W
580.0104-E	MR16, LED	12V-5W
580.0106-E	MR16, LED	12V-6W

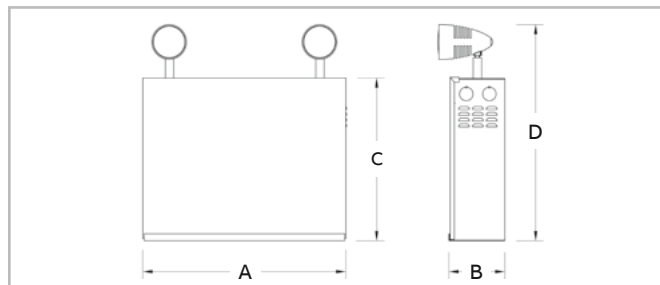
**N** = New options

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## Dimensions

Dimensions are approximate and subject to change.



Cabinet	Dimensions			
	A	B	C	D
A	13 1/4" (33.7 cm)	3 5/8" (9.2 cm)	10 1/2" (26.7 cm)	14 1/4" (36.2 cm)
B	16 1/8" (40.9 cm)	5 1/2" (13.9 cm)	10 1/4" (26.0 cm)	13 7/8" (35.2 cm)
C	23 1/8" (58.7 cm)	5 1/2" (13.9 cm)	10 1/4" (26.0 cm)	13 7/8" (35.2 cm)

## Power consumption and unit rating

Model	AC specs	Wattage capacity				
		30 min	1H00	1H30	2H00	4H00
06ESL36	0.10/0.04 A	36	21	15	12	6
06ESL72	0.22/0.08 A	72	42	30	24	12
06ESL108	0.22/0.08 A	108	63	45	36	18
06ESL180	0.22/0.08 A	180	105	75	60	30
12ESL72	0.15/0.06 A	72	42	30	24	12
12ESL100	0.34/0.12 A	100	58	42	33	17
12ESL144	0.40/0.14 A	144	84	60	48	17
12ESL216	0.41/0.14 A	214	84	60	48	24
12ESL250	120/347VAC 0.41/0.14 A	220	120	90	72	36
12ESL360	0.43/0.15 A	250	144	100	83	42
24ESL144	0.55 / 0.20 A	360	300	210	170	80
24ESL200	0.67 / 0.23 A	200	117	83	67	33
24ESL288	0.67 / 0.23 A	208	168	120	96	48
24ESL350	0.67 / 0.23 A	350	200	144	120	60
24ESL432	0.67 / 0.23 A	432	250	180	144	72
24ESL550	0.88 / 0.33 A	550	320	230	180	90
24ESL720	0.88 / 0.33 A	720	600	420	340	160

Note: Units provide higher power for minimum one hour of emergency lighting.

## Ordering information

Series	Capacity/cabinet <sup>1</sup>	Colour	Voltage	Options	# of heads	Head/wattage
06ESL=	36= 36W (A) 6V 72= 72W (A) 108= 108W (A) 180= 180W (B)	BK= black Blank= polar white	-2= 277VAC input Blank= 120/347 VAC input	A= ammeter CPS3= constant power supply 3 Amps, 24V only <sup>1</sup> <b>N</b> CT= cab-tire D= time delay LW= twist-lock plug (120V) <sup>2</sup> NEX= NEXUS® system interface <sup>3</sup> NEXP= NEXUS®Pro IoT <sup>3</sup> NEXRF= wireless NEXUS® system interface <sup>3</sup> P= light activated test switch RF3= radio frequency interference filter, 347VAC <b>N</b> RFI= radio frequency interference filter, 120VAC <b>N</b> T= lamp disconnect TB= DC terminal block TBAC= AC terminal block TBACDC= AC/DC terminal block U= auto-diagnostics <sup>3</sup> UN= auto-diagnostics non-audible <sup>3</sup> V= voltmeter ZCB= zone control panel <sup>4</sup> <b>N</b>	/1150= one head /2150= two heads /3150= three heads	LA= MR16 LED, 6V-4W LB= MR16 LED, 6V-5W LG= MR16 LED, 12V-4W LI= MR16 LED, 12V-5W LJ= MR16 LED, 12V-6W LL= MR16 LED, 24V-4W LM= MR16 LED, 24V-6W
12ESL=	72= 72W (A) 12V 100= 100W (A) 144= 144W (A) 216= 216W (B) 250= 250W (B) 360= 360W (B)					
24ESL=	144= 144W (A) 24V 200= 200W (B) 288= 288W (B) 350= 350W (C) 432= 432W (C) 550= 550W (C) 720= 720W (C)					

<sup>1</sup>Cabinet size is not part of nomenclature

<sup>1</sup>"C" Cabinet only. 24V, 144W-720W. / <sup>2</sup>120V is standard

<sup>3</sup>Minimum lamp load required: 20% of unit capacity.

Not all options available with the NEXUS® system. Please consult your sales representative.

<sup>4</sup>See zone control box in options section. B & C cabinet only.

**Example: 12ESL100U/2150LJ**