



Distinction Series

6, 12 and 24 Volts Decorative Battery Units

| |
|-------------------|
| Project/Location: |
| Contractor: |
| Date: |
| Prepared by: |

Features

- 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, short-circuit proof and reverse-polarity protected.
- 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



Typical Specification

Supply and install the Emergi-Lite **Distinction Series** battery units. The battery unit shall come complete with MR 16 heads. The battery unit will supply the rated load for a minimum of 30 minutes to 87.5% of the rated battery / voltage. The unit shall be rated 120 or 347V, 60 Hz and be CSA listed. The charger shall be fully computer tested and its charge voltage factory set to + or – 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 a micro-processing 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 fixture shall be Emergi-Lite model: _____

Power Consumption and Unit Rating

| Model Number | AC Specs | | Emergency power available for lamps | | | | |
|--------------|--------------|-----------------|-------------------------------------|------|------|------|------|
| | | | 30min | 1h00 | 1h30 | 2h00 | 4h00 |
| 06ESL36 | 120 / 347Vac | 0.10 / 0.04 Amp | 36 | 21 | 15 | 12 | 6 |
| 06ESL72 | | 0.22 / 0.08 Amp | 72 | 42 | 30 | 24 | 12 |
| 06ESL108 | | 0.22 / 0.08 Amp | 108 | 63 | 45 | 36 | 18 |
| 06ESL180 | | 0.22 / 0.08 Amp | 180 | 105 | 75 | 60 | 30 |
| 12ESL72 | | 0.15 / 0.06 Amp | 72 | 42 | 30 | 24 | 12 |
| 12ESL100 | | 0.34 / 0.12 Amp | 100 | 58 | 42 | 33 | 17 |
| 12ESL144 | | 0.40 / 0.14 Amp | 144 | 84 | 60 | 48 | 24 |
| 12ESL216 | | 0.41 / 0.14 Amp | 220 | 120 | 90 | 72 | 36 |
| 12ESL250 | | 0.41 / 0.14 Amp | 250 | 144 | 100 | 83 | 42 |
| 12ESL360 | | 0.43 / 0.15 Amp | 360 | 300 | 210 | 170 | 80 |
| 24ESL144 | | 0.55 / 0.20 Amp | 144 | 84 | 60 | 48 | 24 |
| 24ESL200 | | 0.67 / 0.23 Amp | 200 | 117 | 83 | 67 | 33 |
| 24ESL288 | | 0.67 / 0.23 Amp | 288 | 168 | 120 | 96 | 48 |
| 24ESL350 | | 0.67 / 0.23 Amp | 350 | 200 | 144 | 120 | 60 |
| 24ESL432 | | 0.67 / 0.23 Amp | 432 | 250 | 180 | 144 | 72 |
| 24ESL720 | | 0.88 / 0.33 Amp | 720 | 600 | 420 | 340 | 160 |

Project/Location: _____

Contractor: _____

Date: _____

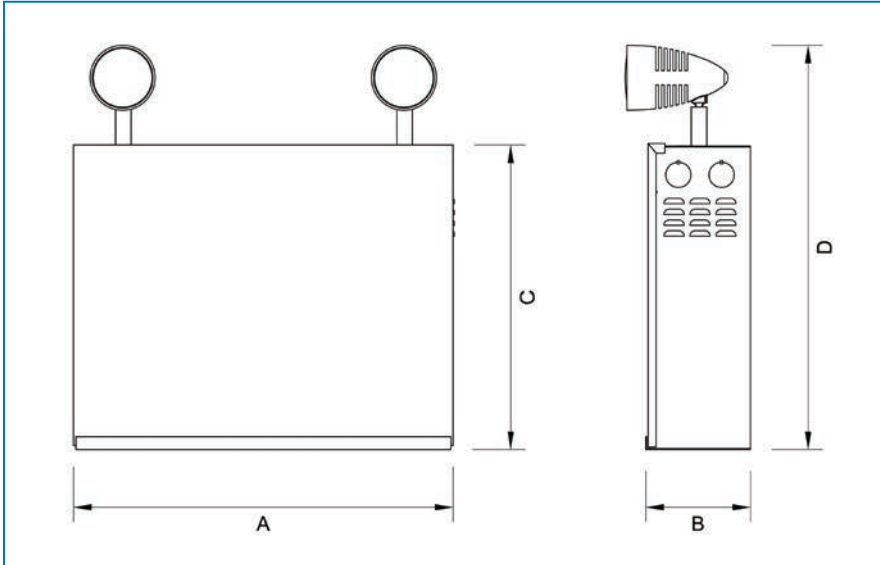
Prepared by: _____

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Dimensions



Wire Guards

| | |
|------------|-----------------------------|
| 460.0078-E | Wall Mount - "A" Cabinet |
| 460.0081-E | End Mount - "B" Cabinet |
| 460.0034-E | Ceiling Mount - "C" Cabinet |

Dimensions

| Cabinet | Dimensions | | | |
|---------|------------|-----------|------------|------------|
| | a | b | c | d |
| A | 13 1/4 in. | 3 in. | 10 1/2 in. | 14 1/4 in. |
| | [33.4 cm] | [9.2 cm] | [26.8 cm] | [36.8 cm] |
| B | 16 1/4 in. | 5 1/2 in. | 10 1/2 in. | 13 1/4 in. |
| | [41.0 cm] | [13.8 cm] | [26.0 cm] | [35.3 cm] |
| C | 23 1/4 in. | 5 1/2 in. | 10 1/2 in. | 13 1/4 in. |
| | [58.8 cm] | [13.8 cm] | [26.1 cm] | [35.3 cm] |

Replacement Lamps

| Ordering Code | Lamp Type | Voltage-Wattage |
|---------------|--------------|-----------------|
| 580.0074-E | MR 16, Flood | 6V - 6W |
| 580.0079-E | | 6V - 10W |
| 580.0080-E | | 12V - 12W |

For the complete list please refer to the Lamp Chart on page 91

Ordering Information

| Series | Capacity and Cabinet Size | Colour | Voltage | Options | Number of Heads | Head Style | Lamp Voltage-Wattage |
|-----------------|--|---------------------------------|---|---|--|---------------|---|
| 06ESL= 6 volts | 36= 36 watts (A) 50= 50 watts (A) 72= 72 watts (A) 108= 108 watts (A) 180= 180 watts (B) | blank= polar white BK= black | Blank= 120/347Vac input -2= 277vac input -8= 220vac, 50hz input -9= 240vac input | A= ammeter CT= cab-tire D= time delay LW= cab-tire + twist lock plug P= light activated test switch T= lamp disconnect TB= DC terminal block TXC= remote test transmitter U= auto diagnostic UN= auto diagnostic, non-audible V= voltmeter X= remote test receiver** NEX= NEXUS® system interface*, NEXRF= wireless NEXUS® system interface* | /1= one head /2= two heads /3= three heads | EF150= closed | MI= 6V - 6 watts, MR16 MJ= 6V - 10 watts, MR16 MK= 12V, 24V-12watts, MR16 MA= 12V - 20 watts, MR16 MB= 12V - 35 watts, MR16 MC= 12V - 50 watts, MR16 MD= 24V - 20 watts, MR16 ME= 24V - 35 watts, MR16 MF= 24V - 50 watts, MR16 MS= 24V - 12 watts, MR16 |
| | 12ESL= 12 volts | | | | | | |
| 24ESL= 24 volts | 144= 144 watts (A) 200= 200 watts (B) 288= 288 watts (B) 350= 350 watts (C) 432= 432 watts (C) 550= 550 watts (C) 720= 720 watts (C) | | | | | | |

*Consult your sales representative for options available with NEXUS® System
**Remote test transmitter needed.

EXAMPLES: 06ESL108U/2EF150MJ, 12ESL72U/2EF150MA, 24ESL144U/2EF150MA