

# 400C Series

UNIVERSAL DIE-CAST ALUMINUM LED COMBO

Model Number:

Approvals:

Accessories:

Job:

Type:

## FEATURES

- The very first LED die-cast combo on the market; unique, new design provides a spec-grade die-cast EXIT sign with LED emergency lights in low-profile design using only 1.5 watts per lamp
- Enclosure constructed of precision die-cast aluminum
- Universal style - includes 2 face plates, a back plate and mounting canopy
- Each lamp head is protected by a polycarbonate shield
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free NiCad battery
- Remote capable option provides this unit with an additional 3 watts of remote capacity for use with up to (2) HLED remote heads
- Universal Mounting - Ceiling, back or end mount
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- Chevron-style, universal arrow knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black, white or brushed aluminum



The 400C Series is the first universal LED die-cast aluminum exit/emergency combo unit available, combining an appealing design, the latest in die cast technology, and high performance electronics to ensure reliability.



## WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 5 years 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.

SPECIFICATIONS ARE SUBJECT  
TO CHANGE WITHOUT NOTICE

## ORDERING INFORMATION Example: 400C-U-BA

| Series             | Face                       | Finish                           | Options (Factory Installed)        | Accessories <sup>3</sup> (Field Installed) |
|--------------------|----------------------------|----------------------------------|------------------------------------|--|
| 400C = Red LEDs    | 1 = Single Face            | BL = Black w/ Alum. Face         | R <sup>2</sup> = Remote Capability | WG-1 = Wire Guard (Back Mount)             |
| G400C = Green LEDs | U <sup>1</sup> = Universal | BB = Black w/ Black Face         |                                    | WG-2 = Wire Guard (End Mount)              |
|                    |                            | WW = White w/ White Face         |                                    | WG-3 = Wire Guard (Ceiling Mount)          |
|                    |                            | BA = Brushed Alum. w/ Alum. Face |                                    | XG-6 = Poly Guard (Back Mount)             |

<sup>1</sup> Universal includes 2nd exit face and backplate

<sup>2</sup> 3 watts of remote capacity for use with up to (2) HLED remote heads

<sup>3</sup> Order as separate line item

## CONSTRUCTION

The 400C is constructed of rugged die-cast aluminum body with soft corners (designed for traditional mounting as well as conduit entry and pendant mounting). Clear finish on brushed face prevents fingerprints or other surface impurities. Universal chevron knockouts are concealed and easily removed. All units are supplied with mounting canopy for back, top or end mounting.

Stencil letters are 6" high with 3/4" stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

## ILLUMINATION

Illumination is accomplished utilizing high-intensity, long-life LEDs exceeding UL 924 requirements for brightness and uniformity. Starting at only 2 watts, LEDs provide excellent illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

## ELECTRICAL

### Input

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

### Sealed Nickel Cadmium Battery - NiCad (With Battery Only)

Sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

### 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

Installs in minutes with easy-to-read instructions and detailed diagrams. No special hardware or tools necessary. Internally housed components and battery eliminate the risk of damage during installation. Mounting canopy included.

### Remote Capable (Option: R)

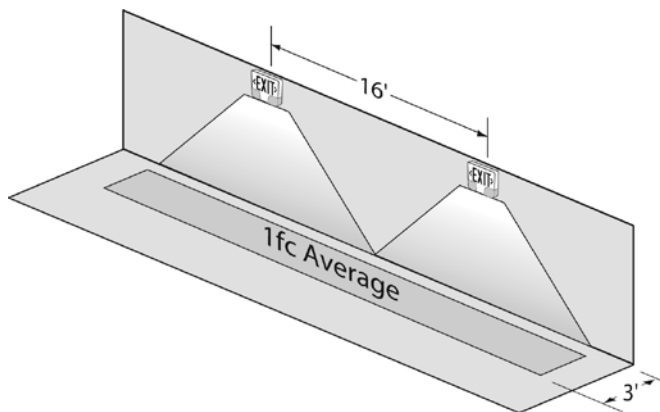
The "R" option provides this unit with an additional 3 watts of remote for use with up to (2) HLED remote heads.

## CONFORMANCE TO CODES & STANDARDS

The 400C Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

## SAMPLE PHOTOMETRICS

Using multiple units mounted at a typical 7.5' delivers 16' center-to-center spacing on a 3' wide egress path.



## DIMENSIONS

