



### PRODUCT OVERVIEW

The CUBICO series emergency unit has been designed for durability and dependability. This vandal-resistant emergency unit features a high-strength steel housing & high impact resistant polycarbonate lenses. Fully enclosed lamp heads prevent repositioning by unauthorized persons. The CUBICO has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Tamper resistant hardware is standard.

### EXTERNAL SPECIFICATIONS

The CUBICO series is constructed with a durable 20 gauge steel housing and high impact-resistant lexan polycarbonate lenses that protect the emergency lighting heads. Durable white powder coat finish. External test switch and monitor LED are standard.

### INTERNAL SPECIFICATIONS

The CUBICO series utilizes the PulseGuard pulse switching charger, which is up to 70% more efficient than constant voltage chargers. 120/277VAC is standard, along with a fully automatic current limited charger, Solid State low voltage disconnect, temperature compensation, brownout protection and short circuit protection. Magnum terminal connectors allow for easy remote load connections.

### LAMP SELECTION

- 6V TUNGSTEN:     **standard:** 9w  
                              (H) halogen: 8w, 10w, 12w, 20w
- 12V TUNGSTEN:   **standard:** 9w, 18w  
                              (H) halogen: 8w, 12w, 20w
- 24V TUNGSTEN:   **standard:** 9w, 18w  
                              (H) halogen: 12w, 20w

Surface ceiling or wall mounting. Suitable for indoor installations, 120/277VAC.

See lamp chart on page 142

### ORDERING INFORMATION

| Series | Operation    | Capacity           | Heads                       | Lamps                | Options                         |
|--------|--------------|--------------------|-----------------------------|----------------------|---------------------------------|
| CUB    | 6 (volt DC)  | 12 (6V)            | 1SR (single Par18)          | See lamp guide above | AT (auto-test daignostics)      |
|        |              | 18 (6V)            | 2SR (double par18)          |                      | TD (time delay-specify voltage) |
|        | 27 (6V)      | 3SR (triple par18) | NC (nickel-cadmium battery) |                      |                                 |
|        | 36 (6V, 12V) | 4SR (quad par18)   | CC (custom color-specify)   |                      |                                 |
|        | 54 (6V, 12V) |                    | VM (voltmeter)              |                      |                                 |
|        | 72 (6V, 12V) |                    | TP (tamper proof screws)    |                      |                                 |
|        |              |                    |                             |                      | CS (cord set, 120V only)        |
|        |              |                    |                             |                      | AM (ammeter)                    |

### CUBICO BUILDER

| Series | Operation | Capacity | Heads | Lamps | Options |
|--------|-----------|----------|-------|-------|---------|
|        |           |          |       |       |         |

EXAMPLE: CUB-12-36-2SR12WH-AT  
 DESCRIPTION: CUBICO emergency luminaire, emergency only, 120/277V, 12V, 36W, 2 par 18, 12W halogen lamps, auto-test diagnostics.

|             |              |
|-------------|--------------|
| <b>JOB:</b> | <b>TYPE:</b> |
|-------------|--------------|

**MECHANICAL SPECIFICATIONS**

The CUBICO is constructed with a durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots and stamped conduit knockouts are supplied standard on the CUBICO unit, providing the widest range of options for AC power source connection. The Cubico is supplied standard in a durable white powder coat, baked finish. Other colors are available, including customer color matching, please specify.

**BATTERY & CIRCUIT TECHNOLOGY**

The CUBICO series is designed with a maintenance free, sealed lead calcium battery that provides a minimum emergency duration of 90 minutes. Recharge time of the battery is twenty-four (24) hours. Nickel-Cadmium batteries are available as an option.

**LAMP CUBICO FEATURES**

The CUBICO series is normally supplied with two (2) 9w heads, Internally mounted, high output mini reflectors designed to optimize light performance.

**CHARGER SPECIFICATIONS**

The CUBICO series utilizes a pulse switching charger that is up to 70% more efficient than traditional constant voltage chargers. The charger is a fully automatic current limited charger with solid state line-latched low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC ON and High Charge.

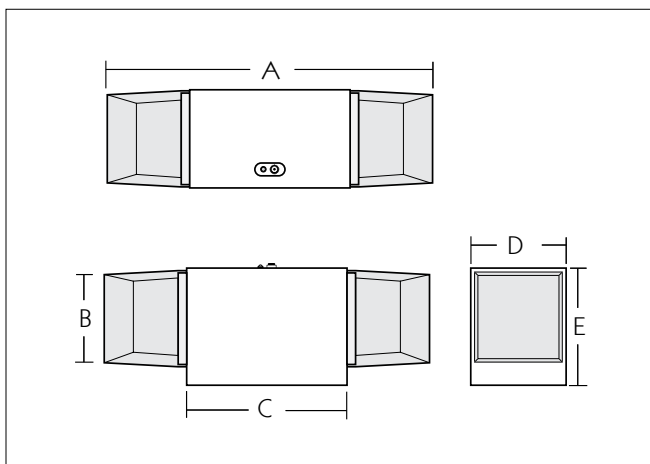
**MODEL RATING GUIDE**

| Model     | Voltage | Wattage |        |        |        | Cabinet |
|-----------|---------|---------|--------|--------|--------|---------|
|           |         | 90min   | 120min | 180min | 240min |         |
| CUB-6-27  | 6       | 27      | 18     | 12     | 8      | A       |
| CUB-6-36  | 6       | 36      | 27     | 18     | 12     | A       |
| CUB-6-54  | 6       | 54      | 36     | 27     | 18     | A       |
| CUB-6-72  | 6       | 72      | 54     | 36     | 27     | B       |
| CUB-12-36 | 12      | 36      | 27     | 18     | 14     | A       |
| CUB-12-54 | 12      | 54      | 36     | 27     | 18     | A       |
| CUB-12-72 | 12      | 72      | 54     | 36     | 27     | B       |

**BEGHELLI AUTO-TEST**

The CUBICO auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

**DIMENSIONS (in.)**



| Wattage | A"    | B" | C"  | D"   | Cabinet |
|---------|-------|----|-----|------|---------|
| 12W-54W | 21.5" | 5" | 12" | 5.5" | 5.57"   |
| 72W     | 27.5" | 5" | 18" | 5.5" | 5.57"   |

**WARRANTY**

The CUBICO Series comes with a 5-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.