

Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Voltage: \_\_\_\_\_



### CODES AND STANDARDS

UL924 Listed, NFPA 101 Life Safety Code, NEC, OSHA and City of Chicago codes. Meets CCEA plenum rating requirements.

### VOLTAGE

120/277VAC, 60 Hz.  
Power Consumption: 15 watts (maximum).

### CONSTRUCTION

Housing, Plaster Ring and Gimbal Trim are constructed from heavy duty steel finished in neutral cream baked-on powder paint providing scratch and corrosion resistance. Optional black and special color paint finishes available. The gimbal ring allows full adjustment of the unit lighting head.

### BATTERY

Standard Battery is sealed lead calcium maintenance free battery designed to provide many years of dependable service. Optional Batteries include Pure Lead (extended life) and Nickel Cadmium (longest life).

Standard Battery Temp. Range: 68°F to 86°F (20°C to 30°C).

Pure Lead Battery Temp. Range: 68°F to 86°F (20°C to 30°C).

Nickel Cadmium Battery Temp. Range: 32°F to 104°F (0°C to 40°C).

### LAMPS

High output bi-pin halogen sealed beam lamp provides glare-free light distribution. Lamp is 6V, 12W life of 100 hours (expected average).

### ELECTRONICS

Fully automatic, temperature compensating, variable rate float charger. A solid state transfer circuit provides load connection. Momentary test switch and LED AC-On indicator light. AC Lockout prevents battery discharge prior to initial unit power-up saving installation time. Low Voltage Battery Disconnect protects the battery from being severely damaged by deep discharge during prolonged power failures. DC Overload and Short Circuit Protection is provided by a disconnect circuit that automatically resets itself when the fault condition is corrected. Brownout Protection automatically switches the unit to emergency mode when utility voltage reaches the point at which most fluorescent luminaires would extinguish.

### INSTALLATION

A plaster ring is supplied with provisions for mounting bars (supplied by installer). A junction box is included with the plaster ring assembly for making AC connections to the unit. The gimbal/lamp assembly is provided with a plug-in connector.

### OPERATION

Upon failure of the normal utility power, a solid-state transfer switch automatically connects the unit's battery to the emergency lamp. Emergency illumination will be supplied for a minimum of 90 minutes. During emergency operation, the unit battery is protected from severe discharge damage by an automatic low voltage disconnect circuit that discontinues unit operation when battery voltage reaches 87.5% of nominal. When normal utility power is restored, the battery is automatically disconnected from the load and a recharging cycle begins that will return the battery to full capacity within 24 hours.

### WARRANTY

Unit: (excluding lamps) 3-years full coverage against defects in materials and workmanship from date of shipment.

Battery: 3 years full warranty plus an additional 7 years of pro-rata coverage.

### CATALOG NUMBER (Example: MCAGN-1-C)

CATALOG NUMBER	BATTERY	VOLTS	WATTAGE	LAMP
MCAG-1-C	Lead Calcium	6	12	12W halogen
MCAGN-1-C	Ni-Cad	6	12	12W halogen
MCAGP-1-C	Pure Lead	6	12	12W halogen

### OPTIONS

- B Black Finish
- SP Special Paint Finish - Specify Color

## MCAG SERIES Chicago Approved Recessed Gimbal Unit

### OPERATION

MODEL NO.	VOLTS	WATTS FOR 1.5 HRS.	WATTS FOR 2 HRS.	WATTS FOR 3 HRS.	WATTS FOR 4 HRS.	STANDARD LAMP	WEIGHT (LBS.)
MCAG-1-C	6	12	8	-	-	12W halogen (-08)	8

### DIMENSIONS

