

mcPhilben®

emergency lighting

Job Name: _____

Type: _____

Voltage: _____



GF SERIES Emergency Gimbal Unit

CODES AND STANDARDS

UL924 listed
Meets NFPA Life Safety Code 101, NEC,
OSHA, Local and State Codes
Meets CCEA plenum rating requirements

VOLTAGE INPUT

Universal 120/277VAC input

FINISH

Rugged steel housing and trim ring in neutral cream finish

CONSTRUCTION

Housing, Plaster Ring and Gimbal Trim: Heavy duty steel construction is finished in neutral cream baked-on powder paint providing scratch and corrosion resistance. Optional black (-B) and special color paint (-SP) finishes available. See Options for ordering details.

The gimbal ring allows full adjustment of the unit lighting head.

LAMPS

A high output incandescent sealed beam lamp provides glare-free light distribution.

Lamp Type: Incandescent - Par 36 sealed beam

Lamp Rating: 6 volts, 7.2 watts

Lamp Life: 100 hours (expected average)

BATTERY

Standard Battery: Sealed lead calcium maintenance free battery designed to provide many years of dependable service.

Optional Batteries:

Pure Lead extended life

Nickel Cadmium longest life

INSTALLATION

Mounting: A plaster ring is supplied with provisions for mounting bars (supplied by installer).

Wiring: 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.

ELECTRONICS

Charger Type: Fully automatic, temperature compensating, variable rate float charger
Utility Input: 120/277VAC, 60 Hz.

Power Consumption: 15 watts (maximum)
Temperature Range: 68°F to 86°F (20°C to 30°C)

Recharge Duty Cycle: 24 hours

Load Transfer: A solid state transfer circuit provides load connection.

Controls: Momentary test switch and LED AC-On indicator light

Safety Circuitry:

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:

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 is reduced to the point at which most fluorescent light fixtures would extinguish.

CATALOG NUMBER (Example: GF6L)

Catalog Number	Battery	Voltage	Wattage	Lamp Type
GF6L	Lead Calcium	6	12	7.2W PAR36 Sealed Beam
GF6N	Nicad	6	12	7.2W PAR36 Sealed Beam
GF6P	Pure Lead	6	12	7.2W PAR36 Sealed Beam

Options

Add Suffix	Description
-B	Black Finish
-SP	Special Paint Finish - Specify Color
-220	220VAC, 50Hz Input
-16	8 Watt Halogen Sealed Beam Lamp

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PHILIPS

erc2036.1

GF SERIES Emergency Gimbal Unit

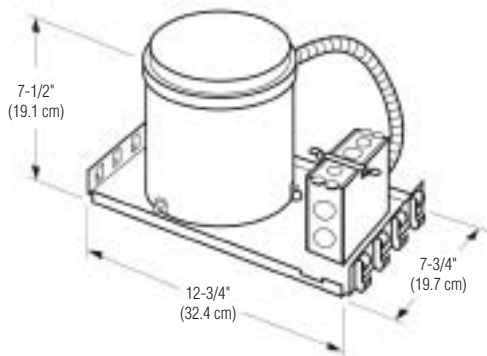
WARRANTY

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

SPECIFICATIONS

Model No.	Volts	Watts For 1-1/2 Hrs.	Watts For 2 Hrs.	Watts For 3 Hrs.	Watts For 4 Hrs.	Standard Lamp	Weight (Lbs.)
GF6L	6	12	8	—	—	7.2W PAR36 Sealed Beam	8

DIMENSIONS



Trim: 9" (22.9 cm) Diameter x 1/4" (0.6 cm) H
 Backbox Assembly: 12-3/4" (32.4 cm) L x 7-3/4" (19.7 cm) W x 7-1/2" (19.1 cm) H

