



Pluralux™ Series Wet Location Emergency Unit

Description

Emergency lighting oval units for indoor/outdoor, damp or wet location applications. Die-cast aluminum housing and polycarbonate lenses. Xenon lamps provide superior illumination.

Features

- Attractive, architectural styling
- Die-cast aluminum housing
- Low profile design - meets ADA requirements
- Dark Bronze finish standard
- Choice of three optional color finishes available on a special order basis
- Housings are paintable for custom color matching in the field
- Suitable for damp and wet location applications
- Two 6V, 6W high output Xenon lamps provide superior emergency lighting levels
- Polycarbonate lens and mirrored reflector provide even illumination
- Fast, easy wall mount installation
- Provision for back wiring or surface conduit entry
- Self-diagnostic/self-testing circuitry standard
- Universal 120/277VAC input
- Fully automatic charger standard
- Premium grade, maintenance-free Nickel Cadmium battery standard
- 90 Minutes of emergency illumination
- Momentary test switch and AC ready indicator
- ETL Wet Location listed
- Meets NFPA Life Safety Code 101, NEC, OSHA, State and local Codes
- Cold location option allows operation range of 7°F to 122°F (-14°C to 50°C)



Dark bronze standard housing finish shown



Silver, white or black housing finishes available as special order

Specifier Reference

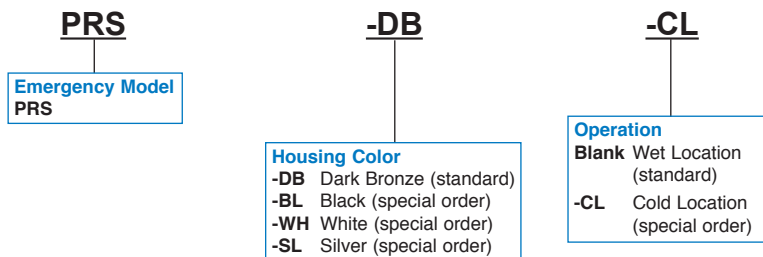
Project: _____

Fixture Type: _____

Model No.: _____

Comments: _____

Ordering Guide



NOTE: All product specifications shown are subject to change without notice.

Construction

Housing: Housings and backplates are constructed of rugged die-cast aluminum finished in dark bronze scuff resistant, textured paint standard. Three alternate color finishes are available on a special order basis. See Optional Housing Color Finishes for details.

All housings are sealed and gasketed for damp and wet location applications.

Prismatic Lens: Unit lens is constructed of clear, high impact polycarbonate.



Utility box mounting gasket shown

Installation

Surface Mounting: The housing backplate provides knockouts for mounting the unit to wall surfaces and/or standard 3 1/2" and 4" utility boxes.

Wiring: Knockouts in the unit backplate allow rear wiring input from utility boxes. An entry point is also provided on the top of the unit housing to allow connection to rigid surface conduit.

Illumination

Lamp Type: Xenon

Lamp Rating - 6 volts, 6 watts

Number of Lamps - two

Lamp Life: 100 hours (expected average)

Code Information

Unit is ETL Wet Location listed and meets NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes

Charger and Electronics

Charger Type: Fully automatic, temperature compensating charger

Utility Input: 120/277VAC, 60 Hz.

Power Consumption: 15 watts (maximum)

Temperature Range: 32°F to 122°F (0°C to 50°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:

Low Voltage Battery Disconnect: Protects the battery from being severely damaged by deep discharge during prolonged power failures.

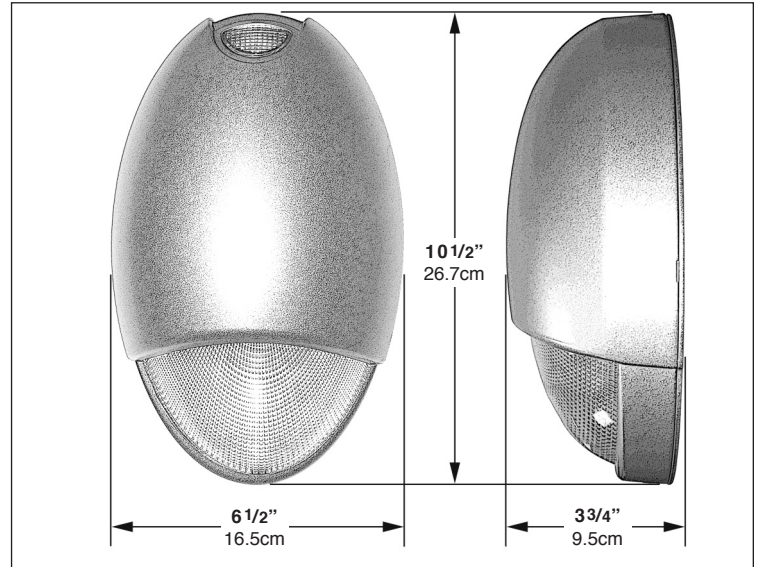
Brownout Protection: Unit automatically switches to emergency operation mode during brownout conditions.

DC Overload and Short Circuit Protection: Provided by a disconnect circuit that automatically resets itself when the fault condition is corrected.

Emergency Operation

Upon failure of the normal utility power, a solid-state transfer switch automatically connects the unit's battery to the emergency Xenon lamps. 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.

Dimensions



Standard Self-Testing/Self-Diagnostic Circuit

On Emergency models, the self-testing/self-diagnostics circuit automatically monitors the unit charger, transformer, battery and emergency lamps for proper operation. Scheduled discharge/diagnostic cycles are performed for one minute every 28 days, for 30 minutes every six months and for a full 90 minutes once a year. Any operation outside of design parameters detected during routine test cycles is communicated via the unit's bi-color LED. The LED will flash a "service alert" code indicating the malfunction condition until the fault is corrected.

Discharge/diagnostic cycles of 1-, 5-, 30- or 90-minutes can also be initiated manually at any time using the unit test switch.

Optional Housing Color Finishes

In addition to the standard dark bronze finish, units may be specified in silver, white or black scuff resistant, textured paint finishes. All unit housings are paintable to allow custom matching to wall decor in the field. Optional housing color finishes are available on a special order basis.

Optional Cold Location Operation

Units equipped with the Cold Location option are ETL listed to Cold Weather specifications. A thermostatically controlled battery blanket and specially modified PC board allow the unit to be safely operated within a temperature range of 7°F to 122°F (-14°C to 50°C). Cold Location Operation is available on a special order basis.

Battery

Standard Battery: Premium grade nickel cadmium maintenance free battery designed to provide many years of dependable service.

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