



Job Name: _____

Type: _____

Voltage: _____

CODES AND STANDARDS

ETL Listed to UL924 Standard
Wet/Damp Location listing
NFPA 70 (NEC)
NFPA 101 (Life Safety Code)
ADA Compliant

VOLTAGE INPUT

Dual Voltage 120/277 VAC
Selectable Input

INSTALLATION

Universal J-box pattern on back or rigid conduit entry on top of housing for mounting flexibility.

CONSTRUCTION

Marine-grade die-cast aluminum housing with mirror reflector to provide excellent photometrics. UV Stable polycarbonate lens and neoprene gasket to protect from moisture and rain.

FINISH

Polyester powder coat for superior protection. Choice of white, black, dark bronze, titanium, or brushed nickel. Consult factory for custom colors.

BATTERY

Choice of 6-volt maintenance-free sealed lead acid with a service life of 5 to 8 years and an operating temperature of 50°F (10°C) to 90°F (32°C) or 6-volt, maintenance-free sealed nickel cadmium with a service life of 7 to 9 years and an operating temperature of 0°F (-18°C) to 131°F (55°C).* Both provide a minimum of 90 minutes emergency illumination. Units with a heater will operate in temperatures as low as -20°F (-29°C).

LAMPS

Lead acid units have two 6V, 12W halogen bi-pin lamps. Nicad and remote units have two 6V, 6W halogen bi-pin lamps.

ELECTRONICS

The charger system includes low voltage disconnect to prevent deep discharge of battery, AC lockout to prevent battery drain prior to the energizing of utility power, and brownout protection which will automatically switch unit into emergency mode if the utility power sags below 80% of nominal. Solid-state, fully automatic charging circuit is protected with a moisture-resistant coating. All units are provided with Self-Test/Self Diagnostics. (Not available in Remote Units.)

WARRANTY

Five full year warranty on units. (Lamps not included.)

* Increases or decreases in temperature may affect battery performance. Optimum battery performance realized at 77°F (25°C).

Catalog Number	Operation	Volts	Lamp Wattage	Housing Color	Lamp Type
PDNW	Nicad battery	6	6	White	6W halogen
PDNB	Nicad battery	6	6	Black	6W halogen
PDNBZ	Nicad battery	6	6	Dark Bronze	6W halogen
PDNTT	Nicad battery	6	6	Titanium	6W halogen
PDNBN	Nicad battery	6	6	Brushed Nickel	6W halogen
PDLW	Lead Acid battery	6	12	White	12W halogen
PDLB	Lead Acid battery	6	12	Black	12W halogen
PDLBZ	Lead Acid battery	6	12	Dark Bronze	12W halogen
PDLTT	Lead Acid battery	6	12	Titanium	12W halogen
PDLBN	Lead Acid battery	6	12	Brushed Nickel	12W halogen
PDRW	Remote unit	6	6	White	6W halogen
PDRB	Remote unit	6	6	Black	6W halogen
PDRBZ	Remote unit	6	6	Dark Bronze	6W halogen
PDRTT	Remote unit	6	6	Titanium	6W halogen

Accessories:

PDHTR – Patron Heater Kit
WG3 – Wireguard

PATRON SERIES Die-Cast Aluminum Emergency Unit

SPECIFICATIONS

SELF-TEST/Self DIAGNOSTICS

This feature provides automatic testing and continuous monitoring of the unit and indicates any faults via a dual-color LED lamp. The low-profile test button with easily visible status indicator is located beneath the lens.

This innovative circuitry monitors battery disconnection, charger failure, lamp failure and transformer fault every 5 seconds without discharging the battery or illuminating the lamps. It will automatically indicate lamp, battery, and charger status by dual-color LED lamp.

The LED lamp indicator shows the following status:

- Green - ON: Unit is ready.
- Blinking: Unit is self-testing.
- Red - Service Alert (see fault indications)

Fault Indications: (Red LED lamp indicator)

- One blink ON/pause 4 seconds: Battery not connected.
- Two blinks ON/pause 4 seconds: Battery is shorted or battery voltage drops below the accepted value.
- Three blinks ON/pause 4 seconds: Charger board circuit fault.
- Four blinks ON/pause 4 seconds: Transformer fault.
- Five blinks ON/pause 4 seconds: Lamp fault.

The unit will automatically initiate a self-test as follows:

- One minute self-test each month.
- 30 minute self-test on the 6th month following installation.
- 90 minute self-test on the 12th month following installation.

Manual testing of the unit can be accomplished by pressing the test button as follows:

- Once - 1 minute test
- Twice - 5 minute test
- Three - 30 minute test
- Four - 90 minute test

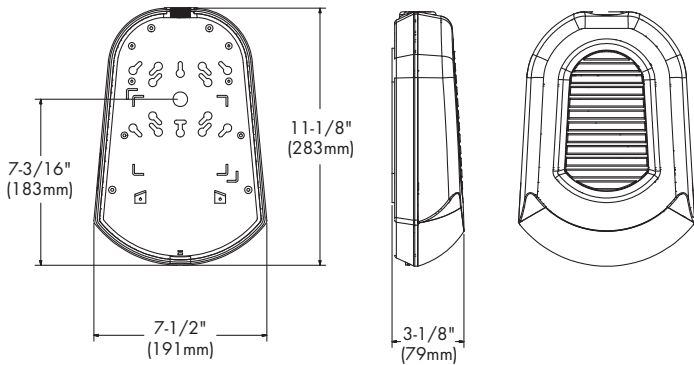
SPECIFICATIONS:

	Volts	AC Input Amps
PDL	120	108.5mA
	277	46.3mA
PDN	120	105.8mA
	277	45.6mA

PHOTOMETRICS:

Note: Meets Life Safety Code standard minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Illustration shown is a guideline for corridor center-to-center spacing with 7.5 foot mounting height and minimum 80-50-20 reflectance values. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

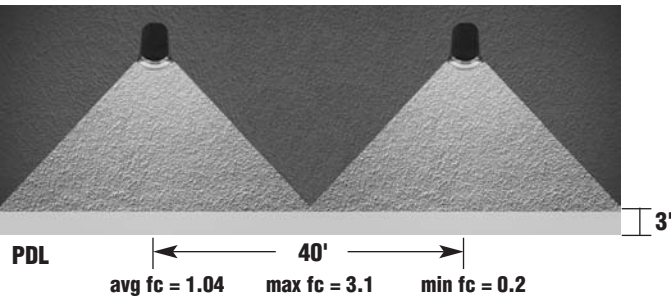
DIMENSIONS PATRON SERIES



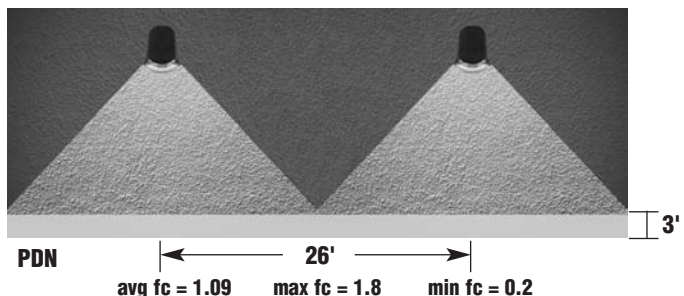
Weight

- PDL** - 8lbs
- PDN** - 6lbs
- PDR** - 4lbs

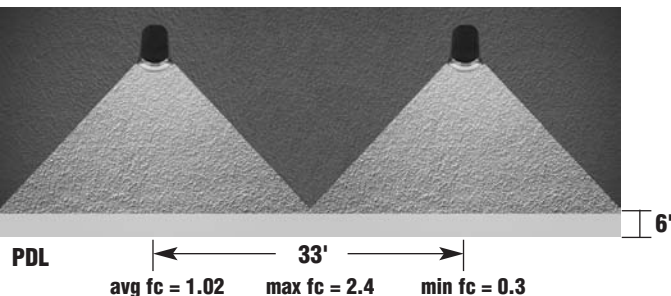
PDL spacing on a 3-foot path of egress



PDN spacing on a 3-foot path of egress



PDL spacing on a 6-foot path of egress



PDN spacing on a 6-foot path of egress

