# PONCA SERIES

## HAZARDOUS LOCATION EXIT/EMERGENCY COMBO

**FME Lighting** | ILLUMINATING INDUSTRIAL APPLICATIONS

| | |
|---|---|
| **Project:** | |
| **Type:** | |
| **Catalog #:** | |

cᴿᴸᵁˢ ETL LISTED Intertek
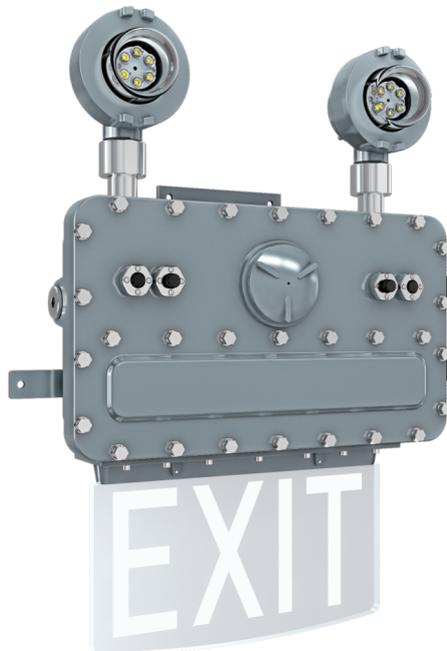
## CLASSIFICATIONS

- Class I, Division 1, Groups C, D
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III
- UL 844 Hazardous Locations
- UL 924 Emergency Lighting
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- ETL
- NEMA 4X
- IP66 / Wet Locations
- Impact level: IK10 (enclosure); IK08 (glass)

## KEY FEATURES

- Label content can be customized.
- Low working wattage for energy saving.
- Independent battery backup system for exit sign (1W-5W) and spot lights (10W-18W).
- Edge-lit sign.
- Two high-lumen spot lights can be adjusted in horizontal and vertical directions.
- 3-hour emergency operation.
- Hinged access door.
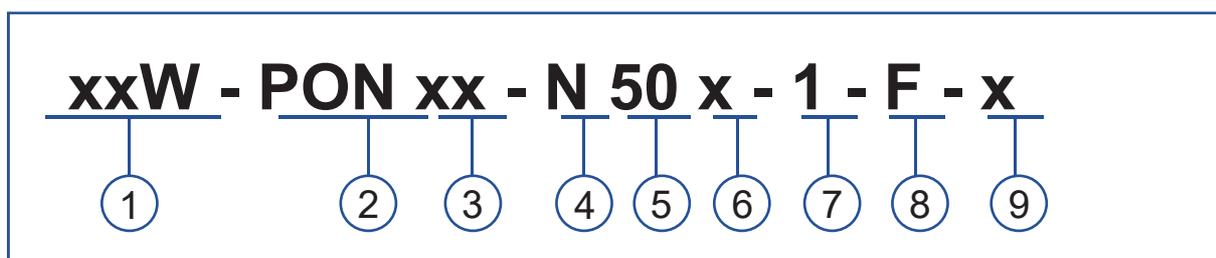- The LED circuit board and driver are not replaceable on site.

## ADDITIONAL FEATURES

- Beam angle: 90° or 120°; lamp adjustable angle: 0° to 180°
- 3/4" NPT or M25 conduit hubs.
- Red, yellow, green or other LED options.
- Working temperature: -4°F to 140°F.
- Long lifespan up to 50,000 hours.
- 5-year warranty.

## MATERIALS

- Sign Panel: Glass
- Mounting Sling: Stainless steel
- Hardware: Stainless steel
- Exit Sign: Tempered glass
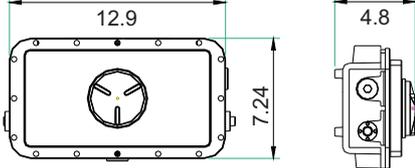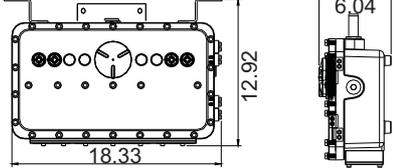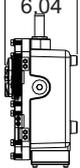- Housing: A360 Die-casting aluminum

## ORDERING INFORMATION

**xxW - PON xx - N 50 x - 1 - F - x**

(1)  (2)  (3)  (4)  (5)  (6)  (7)  (8)  (9)

**(1) WATTAGE**
- 4.5W-22W

**(2) PRODUCT SERIES**
- PON series

**(3) PRODUCT TYPE**
- A1: Emergency Light
- A2: Emergency Light + Escape Sign
- A3: Escape Sign
- A4: Emergency Power
- C1: Emergency Light
- C2: Emergency Power

**(4) DIMMING OPTION**
- N: Non-dimmable

**(5) CCT**
- R: red, G: green
- 30: 3000K, 40: 4000K, 50: 5000K, 65: 6500K (optional)

**(6) SIGN TYPES**
- A: EXIT
- B: ←🏃
- C: 🏃↑
- D: 🏃→
- E: 🏃↓
- F: ↖🏃
- G: ↙🏃
- H: 🏃↗
- I: 🏃↘
- J: ←🏃EXIT
- K: EXIT 🏃→

**(7) PLACE OF ORIGINAL**
- 1: Made in USA
- 0: Made in other countries

**(8) OPTIONAL**
- F: Food industry (equipped with spherical guard made of tempered glass, refer to the above Fig. 2.)
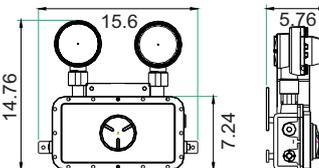- Blank: Other fields

**(9) INPUT VOLTAGE**
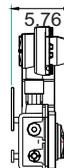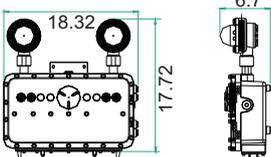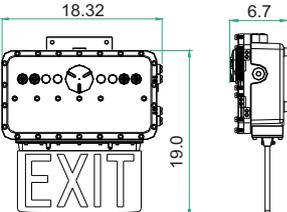- x="L": denotes 100-277 VAC
- x="H": denotes 100-347 VAC

## DIMENSIONS & TECHNICAL DATA

Unit: inch

### Type YJ: Junction Box and Emergency Battery backup Box



| Housing | Model Number | Input |
|---------|--------------|-------|
| Model C | EX-PD61-YJ01 PON-C2 | Max AC800V Currency<br>Cable Cross Section:2.5mm² 24A<br>Cable Cross Section:4.0mm² 32A<br>Cable Cross Section:6.0mm² 41A |
| Model A | EX-PD61-YJ01 PON-A4 | Cable Cross Section:10mm² 57A<br>Cable Cross Section:16mm² 76A<br>Cable Cross Section:35mm² 125A<br>Cable Cross Section:70mm² 192A<br>Cable Cross Section:240mm² 400A |

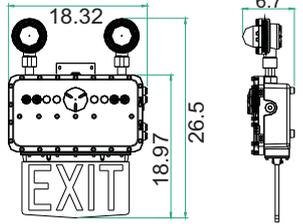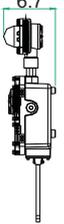### Type 1: Battery Backup + Luminaire (two pieces of spot light)



| Housing | Model Number | Wattage | Lumens (lm) | Input |
|---------|--------------|---------|-------------|-------|
| Model C | 3W PON-C1-N50 | 3W | 390 | AC100-277V or AC100-347V (by driver and by IC) |
| Model C | 5W PON-C1-N50 | 5W | 650 | AC100-277V or AC100-347V (by driver and by IC) |
| Model C | 10W PON-C1-N50 | 10W | 1300 | AC100-277V or AC100-347V (by driver and by IC) |
| Model A | 3W PON-A1-N50 | 3W | 390 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 5W PON-A1-N50 | 5W | 650 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 8W PON-A1-N50 | 8W | 1040 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 10W PON-A1-N50 | 10W | 1300 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |

### Type 2: Battery Backup + Exit Sign



| Housing | Model Number | Wattage | Lumens (lm) | Input |
|---------|--------------|---------|-------------|-------|
| Model A | 3W PON-A3-N50 | 3W | 390 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 5W PON-A3-N50 | 5W | 650 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 8W PON-A3-N50 | 8W | 1040 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 10W PON-A3-N50 | 10W | 1300 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |

### Type 3: Battery Backup + Luminaire + Exit Sign



| Housing | Model Number | Wattage | Lumens (lm) | Input |
|---------|--------------|---------|-------------|-------|
| Model A | 3W PON-A2-N50 | 3W | 390 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 5WPON-A2-N50 | 5W | 650 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 8W PON-A2-N50 | 8W | 1040 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |
| Model A | 10W PON-A2-N50 | 10W | 1300 | AC100-277V or AC100-347V (by driver and by IC) Or DC12-48V |

## MOUNTING INSTRUCTIONS (WALL MOUNTING)

| 1 |
| --- |

476mm(18.71inch)
132mm (5.2inch)
210mm(8.27inch)
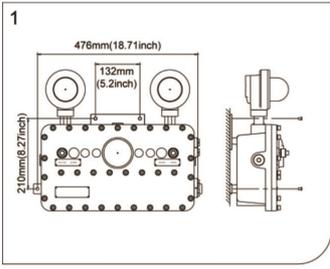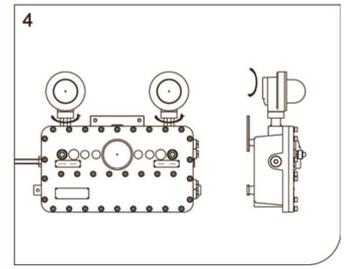
Drill two holes as fig. 1, the distance as per 476mm (18.74inch) and 132mm (5.19inch).

| 2 |
| --- |
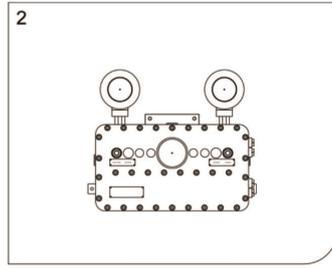
Fix with four 5/16-inch expansion screws.
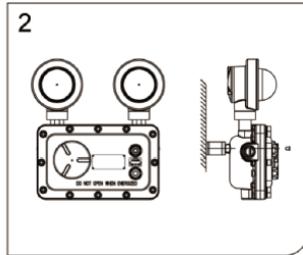
| 3 |
| --- |
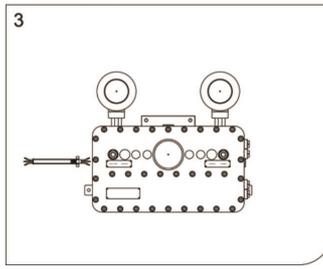
Install pipe to 3/4 NPT entry and fix 16mm (0.63inch) Chico A.

| 4 |
| --- |

Connect the AC cable: black cable joins to L, white cable joins to N, green cable joins to grounding.

| 1 |
| --- |
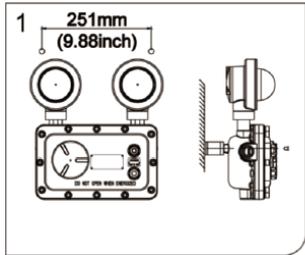
251mm (9.88inch)

Drill two holes as fig. 1, the distance as per 251mm (9.88inch).

| 2 |
| --- |

Fix two M10 expansion screws.

| 3 |
| --- |
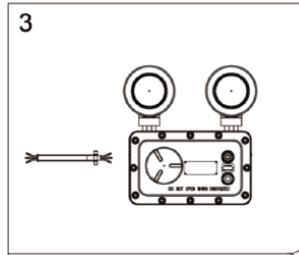
Install pipe to 3/4 NPT entry and fix 19mm (0.75inch) Chico A.

| 4 |
| --- |

Connect the AC cable: black cable joins to L, white cable joins to N, green cable joins to grounding.
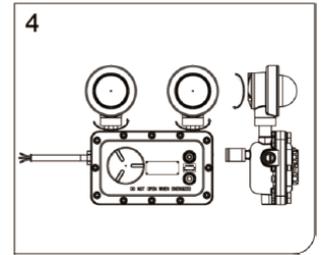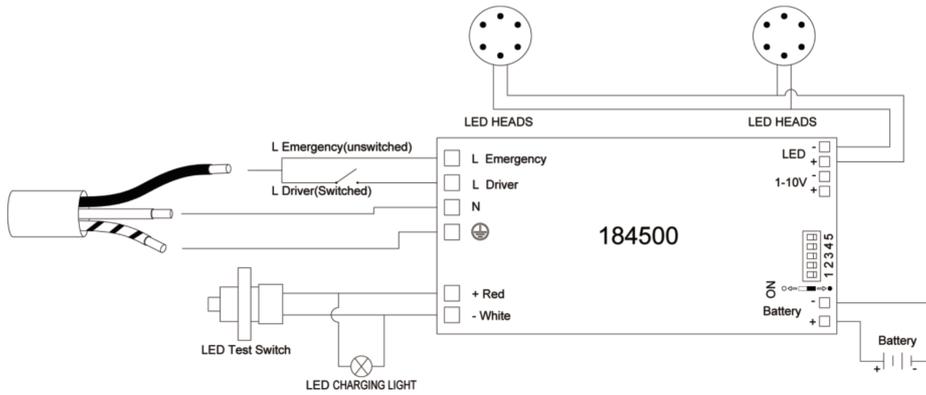
## WIRING DIAGRAM

LED HEADS          LED HEADS

L Emergency(unswitched)

L Driver(Switched)

L Emergency          LED +
L Driver              1-10V +
N
⊕                     184500
+ Red
- White               ON
LED Test Switch       Battery +
LED CHARGING LIGHT    Battery

## ACCESSORY

**Model:** Ex-arm
**Name:** Mounting Arm
**Material:** Aluminum

## PACKING INFORMATION

| Model | Quantity/Carton | Packing Size | Net Weight | Gross Weight |
| --- | --- | --- | --- | --- |
| PON-A (Without Sign) | 1 Pc | 22.28x20.67x11.45inch | 44.09 lbs | 48.50 lbs |
| PON-A (With Sign) | 1 Pc | 29.13x22.28x11.45inch | 55.12 lbs | 59.52 lbs |
| PON-C (Without Sign) | 1 Pc | 16.93x16.69x10.87inch | 17.64 lbs | 20.94 lbs |