

! CAUTION

- All wiring should be done by a licensed electrician in accordance with state codes, local codes, and National Electrical Code (NEC) or International Electric Commission (IEC) standards.
- Improper installation may result in risk of fire, electric shock, or injury to persons and will void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- Surge protective devices should be utilized for fixtures installed in environments subject to power surges outside the specified operating parameters.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- Installation between control circuit and mains should at least be basic insulation.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

Mounting

Surface Mount

The Wayfinder™ 2 is shipped with two mounting options as standard. It can be mounted to a wall or other vertical surface using the two tabs at either side of the fixture (see Figure 1) or to a bracket using the four tapped holes on the back of the fixture (see Figure 2). For best performance, mount with the back side of the fixture in a vertical orientation. Suitable for mounting within 1.2 m (4 ft) of the ground.

1. Identify the desired mounting location for fixture.
2. If mounting to a surface, use two (2) ¼ inch or 6 mm screws.
3. If mounting to a bracket, use four (4) M6 screws.
4. If EMB version, Emergency Test Button must be visible after installation without the need to move or remove any parts of the equipment.

Rail Mount

The Wayfinder 2 offers an optional Rail Mount Kit or U-Bolt that allows mounting to a 2 inch pipe/railing.

1. Place U-Bolt over pipe in desired mounting position and orientation (Figure 3).
2. Slide plate over U-Bolt (Figure 4).
3. Determine if fixture should mount to upper U-Bolt studs (slightly above pipe/railing) or lower U-Bolt studs (slightly below pipe/railing). If mounting to the lower studs, install and hand-tighten one nut on upper studs to help hold brackets in place.
4. Align holes in fixture housing tabs to the studs with no nut installed. Slide the tabs onto the studs.
5. Install remaining nuts on the studs to secure the fixture housing in place. Use Loctite or similar thread-locker for high vibration environments (Figure 5).

Wiring

If fixture is provided with a cord installed:

1. Insert cord into a waterproof junction box (not provided).
2. Connect the wires according to Figure 6 (black to line (L2), white to neutral (N), green to ground (PE)).
3. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or similar qualified person in order to avoid a hazard.
4. Use SJOW, SJTOW, SOOW, SJOOW, STOW, or SOW cable for US. HO7RN-F or HO5RN-F or cable having equivalent mechanical and electrical properties for Europe.

Figure 1

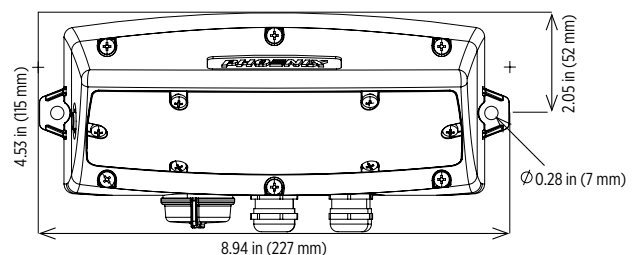


Figure 2

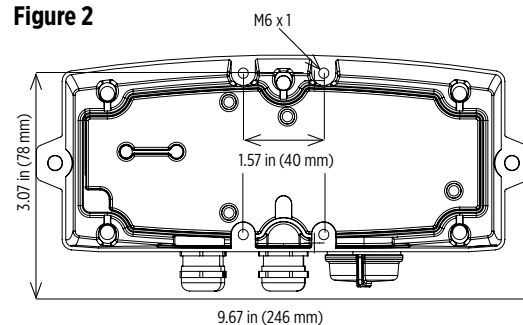


Figure 3

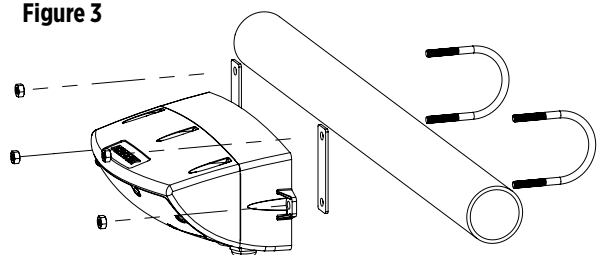


Figure 4

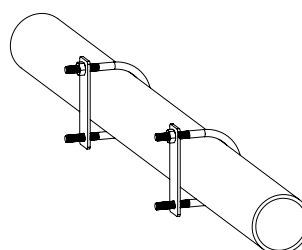
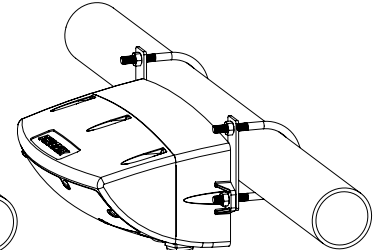


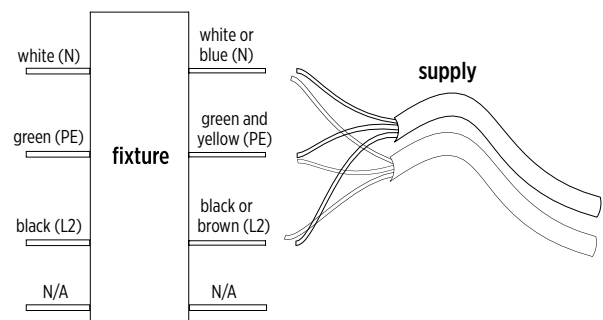
Figure 5



If fixture is not provided with a cord installed, then the standard Wayfinder 2 fixture comes with 2 cord grips:

1. Remove front cover by loosening the six screws. Note that these are captive screws and should not be completely removed from cover.
2. Minimum 90°C supply conductors should be used.
3. Insert power supply cord into first cord grip far enough so you are able to see cord jacket inside fixture. Tighten cord grip to 30-35 lb-in (3.5 -4.0 N-m).
4. If installing with through-wire, install second cord same as Step 2.
5. Connect wires using connectors provided according to Figure 3 (black to line (L2), white to neutral (N), green to ground (PE)).
6. Reattach cover. Use caution not to pinch wires between fixture housing.
7. Tighten screws to 20-23 lb-in (2.2-2.6 N-m).
8. If not installing with through-wire (non-interconnection type), use supply cords of at least 16-18 AWG or with a minimum cross-sectional area 1.0 mm² - 1.5 mm² with an outer diameter in range of 5mm-9mm. Remove outside cord grip and insert M20 threaded plug (supplied) into unused cord grip hole. Tighten to 53-in-lbs (6 N-m).
9. If installing with through-wire (interconnection type), use supply cords of at least 12 AWG minimum or with a minimum cross-sectional area of 4.0 mm² (for interconnection type). The outside diameter of cables should be in range of 5mm-9mm. Use a wrench to make the cord grip(s) and/or threaded plug fully tightened with a torque of at least 53 in-lbs (6 N-m).

Figure 6



Wiring (EMB)

If fixture is provided with a cord installed:

1. Insert cord into a waterproof junction box (not provided).
2. Connect the wires according to Figure 7 (black to switched line (L2), white to neutral (N), red to charging line (L1), green to ground (PE)).
3. Remove front cover by loosening the six screws. Note that these are captive screws and should not be completely removed from cover.
4. Connect the two wires inside from the battery (see Figure 8).
5. Reattach cover. Use caution not to pinch wires between fixture housing.
6. Tighten screws to 20-23 lb-in (2.2-2.6 N-m).

If fixture is not provided with a cord installed, then standard Wayfinder 2 EMB fixtures are provided with 2 cord grips:

1. Remove front cover by loosening the six screws. Note that these are captive screws and should not be completely removed from cover.
2. Minimum 90°C supply conductors should be used.
3. Insert power supply cord into first cord grip far enough so you are able to see cord jacket inside fixture. Tighten cord grip to 30-35 lb-in (3.5 -4.0 N-m).
4. If installing with through-wire, install second cord same as Step 2.
5. Connect wires using connectors provided according to Figure 7 (black to switched line (L2), white to neutral (N), red to charging line (L1), green to ground(PE)).
6. Connect the two wires inside from the battery (see Figure 8).
7. Reattach cover. Use caution not to pinch wires between the fixture housing.
8. Tighten screws to 20-23 lb-in (2.2-2.6 N-m).
9. If not installing with through-wire, remove outside cord grip and insert M20 threaded plug into unused cord grip hole. Tighten to 53 in-lbs (6 N-m).



! IMPORTANT EMB SAFEGUARDS !

When using electrical equipment, basic safety precautions should always be followed including the following:

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use.
- All wiring should be done by a licensed electrician in accordance with state codes, local codes, and National Electrical Code (NEC) or International Electric Commission (IEC) standards.
- Improper installation may result in serious injury and void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- Surge protective devices should be utilized for fixtures installed in environments subject to power surges outside the specified operating parameters.
- Risk of fire and burns. Do not open, crush, heat above 100C or incinerate.
- An unswitched AC power source is required (120-277 VAC, 50/60Hz).
- Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field replaceable. Contact manufacturer for information on service.
- Servicing should be performed by qualified service personnel.
- NOTICE - This equipment has not been evaluated for compliance with Article 700 of the National Electrical Code, ANSI/NFPA 70.

SAVE THESE INSTRUCTIONS

Figure 7

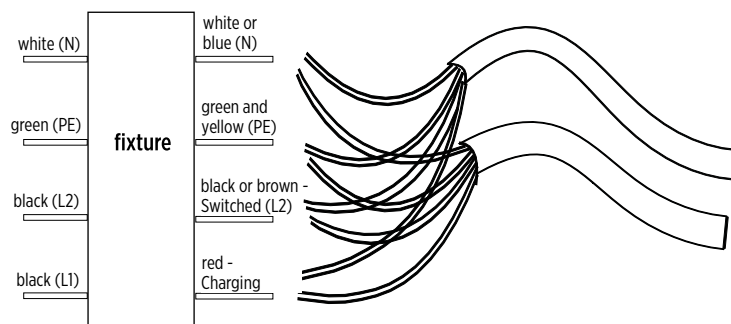


Figure 8



Connection	US	CE
Neutral (N)	White	Blue
Ground (PE)	Green	Green/Yellow
Switched Line (L2)	Black	Brown
Charging Line (L1)	Red	Black



Suitable Operating Conditions

1. Suitable for use outdoors, ambient temp. -40°C to +50°C for standard version and 0°C to +50°C for EMB version.

Operation

During normal operation AC power is applied, the charging indicator light is illuminated, indicating that the battery is being charged. When power fails, the emergency LED driver automatically switches to emergency power (internal battery), operating the LED load for a minimum of 2 hours (6 hours for 6-hour version). When AC power is restored, the emergency driver returns to the charging mode.

Maintenance

Periodic maintenance and cleaning are required to keep light fixture in peak operating condition. Buildup of dirt and/or debris on fixture will diminish performance, lead to premature failure and void warranty.

1. Inspect fixture monthly for build up of dirt and debris on lens and housing. Wash fixture with clean water and a soft towel. Do not use an abrasive cleaner or chemicals as this could cause damage to the lens.
2. Inspect fasteners, verify cord grips are tight and retighten as needed. Note: Cord grips should be tightened to 30-35 lb-in (3.5 -4.0 N-m).
3. For fixtures fitted with an emergency battery backup, press the test button on the side of the fixture. LEDs should dim to about 50% light output if system is functioning correctly.
4. The 1.battery requires a minimum charge time of 24 hours for full charge. Please conduct a full discharge test at least once per year for fixtures in operation. For any fixtures in storage, customers are advised to conduct a full discharge every 6 months.
5. LED light source can be replaced with compatible Wayfinder 2 LED PCB Kit ordered from factory.
6. The battery of this luminaire is not replaceable. When light battery reaches end of life, the whole luminaire should be replaced.
7. If cable is damaged, service by qualified personnel.

Amp Draw

	Standard	EMB
power draw	11W	13.5W
current at 277V	0.04A	0.06A
current at 120V	0.09A	0.13A
weight	1.3 kg (2.9 lb)	1.8 kg (3.5 lb)

	Standard	EMB
power draw	11W	14.5W
current at 220-240V	0.04A	0.075A
weight	1.3 kg (2.9 lb)	1.8 kg (3.5 lb)

Dimming Levels

Level	Watts (W)	Output (Lm)
(I) - 100%	11W	1300
(II) - 75%	8W	980
(III) - 50%	5.5W	670
(IV) - 25%	3W	310

FCC

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Product design and specifications are subject to change without notice.