



IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Do not use outdoors.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.
- Allow battery to charge for 24 hours before first use.
- For use with metal enclosed wiring systems.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

VLED-90L Series

Installation Instructions

Wall Mount Installation (Fig. 2)

1. Open front cover by blade of screwdriver. (Fig. 1)
2. Knock out center and appropriate mounting screw holes on the back plate.
3. Remove side hole plug from housing, snap lamp heads on the unit and connect to PC board (Fig. 5)
4. Route the AC supply wires through center hole inside of housing.
5. Install fixture on the J-Box.
6. Make correct electrical connections inside of fixture according to wiring diagram (Fig. 6)
7. Push excess wire into J-Box.
8. Snap chevron to EXIT panel if required.
9. Attach battery connector to PC board, restore front panel on unit, adjust direction of lamp heads as needed.

Ceiling Mount Installation (Fig. 3)

1. Attach crossbar to junction box, set the crossbar so that the short blade is touching the J-Box.
2. Open front cover by blade of screwdriver. (Fig. 1)
3. If double face is desired, replace back plate with additional face plate provided.
4. Remove the mounting hole cover on the top and side of the unit, assemble the canopy unit. (Fig. 4)
5. Snap lamp heads on the unit and connect to PC board. (Fig. 5)
6. Route the proper wires through the mounting hole out of housing.
7. Make electrical connections inside the J-Box according to wiring diagram (Fig. 6)
8. Fasten crossbar on J-Box by screws provided, fasten canopy to crossbar and against the wall.
9. Snap chevron to EXIT panel if required.
10. Attach battery connector to PC board, restore front panel on unit, adjust direction of lap heads as needed.

Fig. 1

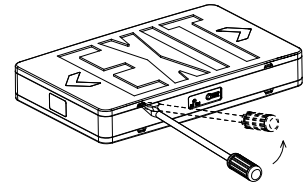


Fig. 2

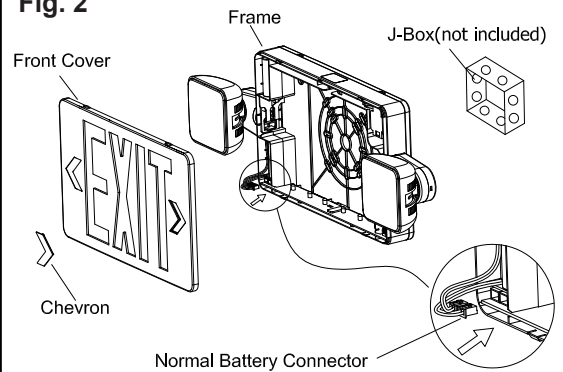


Fig. 3

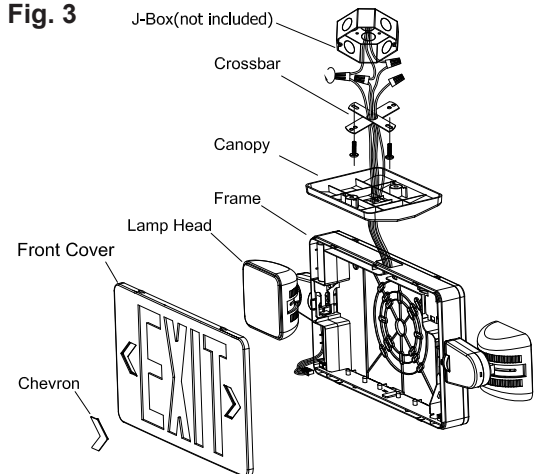


Fig. 4

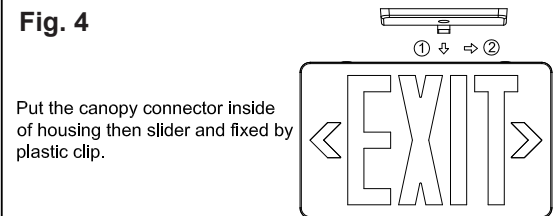
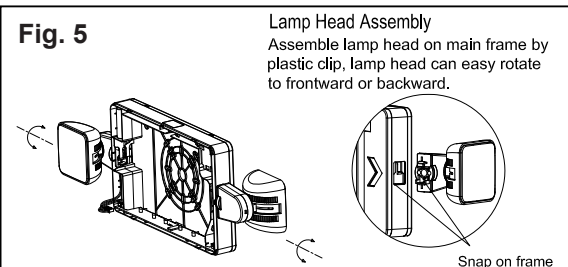


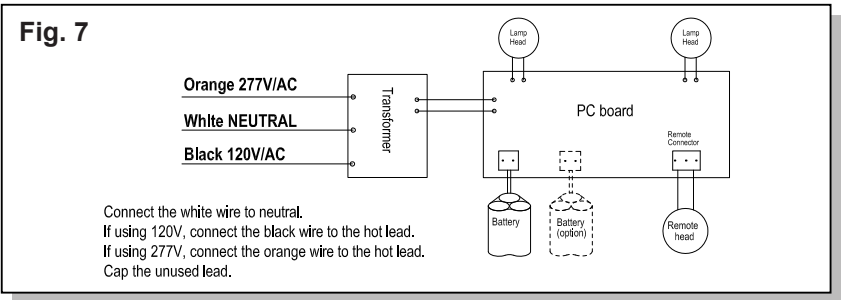
Fig. 5



VLED-90L Series

Installation Instructions

Wiring Diagram (Fig. 7)



Operation

The battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours, then normal operation of this unit should take effect. To check, press the “TEST” button. The EXIT sign should stay illuminated by battery backup and the LED indicator will be turned off. Release the “TEST” button, LED indicator will be turned on.

In accordance with NFPA 101, your emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes. Refer to your local codes for any additional requirements that may apply.

Testing and Reporting Instructions (-G2 and -G3 models)

- When AC power is supplied to fixture, the unit will automatically initiate a self-test and self-diagnostic test as follows:
 - Verifies battery disconnection, charger board failure at every 5 seconds.
 - 1 minute self-testing every month.
 - 30 minutes self-testing on every 6 months after installation.
 - 90 minutes self-testing on every 12 months after installation.
- Dual color LED lamp indicator shows the following status:
 - Green color: On / Ready
Blinking: Testing
 - Red color: (Service Alert)
 - Service Alert LED Code (Red color LED lamp indicator)

●	One blink ON/pause (4 seconds)	Battery is not connect
●●	Two blinks ON/pause (4 seconds)	Battery voltage too low
●●●	Three blinks ON/pause (4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause (4 seconds)	Transfer function failure
●●●●●	Five blinks ON/pause (4 seconds)	Integral lamp fault
●●●●●●	Six blinks ON/pause (4 seconds)	Remote head's emergency lamp fault (option)
●●●●●●●	Seven blinks ON/pause (4 seconds)	Exit LED strip failure

Note: After solving the fault of emergency equipment, please press test button for 2 seconds then release to reset. LED indicator will show green.

2. “-G2” and “-G3” models also have a manual test function, press test button as follows:

Press test button once (within 2 seconds)	30 seconds discharge test
Press test button twice (within 2 seconds)	3 minutes discharge test
Press test button 3 times (within 2 seconds)	30 minutes discharge test
Press test button 4 times (within 2 seconds)	90 minutes discharge test
*Press and hold test button for 8 seconds	Fixture will leave network and reset itself

*Note: only applies to “-G3” models. If you have proplem to initiate provisioning or if you know the unit belongs to other Guardian Network

Networking Operations for “-G3” Models

Model with “-G3” suffix is our world winning design equipped with “wireless testing and reporting” features. Unit that has “-G3” suffix in its model number is capable of joining **Guardian** emergency lighting management system. It will be part of a large testing system to be tested and report result wirelessly.

Once powered up and commissioning allowed, unit will automatically join **Guardian** network and get provisioned. Upon the completion of the commissioning, unit will perform testing and report based on set schedules.

For more information about commissioning, configurations and testing, please visit website, <https://www.barronltg.com> for details.

Remote Heads Connection Instructions (Fig. 8) (Option)

1. Remove jump connector from the female connector on PCBA.
2. Attach the remote male connector into the female connector on PC board.
3. Connect extended remote head wires to the remote wires using wire nuts. Yellow is positive (+) and the purple is negative (-).

