FACTORY INSTALLABLE BATTERY PACK FOR LED LUMINAIRES - MODEL PSDV3

CAUTION: For safety and proper operation, read and follow instructions carefully before installation.

ONE YEAR WARRANTY
This fixture is guaranteed to perform for a period of one year from date of invoice. Our guarantee covers any defect in manufacturing, provided the defect develops under normal and proper use. This liability does not include lamps, and extends only to repair or replacement of defective part and labor charges for correction of the defect by repair or replacement. These labor charges will be paid by Lithonia Lighting only with prior written authority has been granted by our Post Sales department.

CAUTION: A potential electrical hazard exists even when AC power supply has been turned off. Disconnect Battery Connector (2 red leads) before servicing.

4 1 3
5 2

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PARTS DESCRIPTION
1. Test Switch/Label
2. Lamp Selector
3. Pilot Light
4. PSDV3
5. Battery Connector
6. Flex Connector (3/8”)
7. Flex Conduit

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNING MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE – For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or additional information is required, contact Lithonia Lighting or your local Lithonia Lighting distributor.

WARNING: RISK OF ELECTRIC SHOCK – NEVER CONNECT TO, DISCONNECT FROM OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

WARNING: RISK OF FIRE – Lamps are hot. Keep combustibles material away from hot parts. Observe lamp manufacturer’s warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

WARNING: DO NOT USE ABRASIVE MATERIALS, OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE WHICH MAY RESULT IN PERSONAL INJURY.

WARNING: RISK OF PERSONAL INJURY – This product may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing and maintaining this product.

(WHERE APPLICABLE)
• Before wiring to power supply, turn off electricity at fuse or circuit breaker.
• Disconnect A.C. power and unplug battery before servicing.
• Consult your local building code for approved wiring and installation.
• Do not use outdoors.
• Do not let power supply cord touch hot surfaces.
• Do not mount near gas or electric heater.
• Do not install a damaged fixture.
• This product must be installed in accordance with the applicable installation codes and ordinances.
• Proper grounding is required to ensure personal safety. (WHERE APPLICABLE)
• All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction and operation of the product and the hazards involved.
• 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.

SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION
IMPORTANT NOTES:

1. Unit can be wired into building circuit in two ways: supplied by night light circuit designed to be permanently energized or wired as a switchable unit. Switchable fixtures require that an unswitched circuit supply the battery charger and a switched circuit supply the LED driver. This permits lamps to be turned off without affecting the charger. (Charger will keep batteries at full charge).

2. Make sure that branch circuit feeds are derived from a common phase for both normal LED driver and PSDVL2 prior to installation.

3. Damage to battery will occur if the Test Switch/Pilot Light is connected for a prolonged period of time without AC power provided.

4. Before initial testing or after discharge, allow 24 hours to recharge battery.

5. CAUTION: A potential electrical shock hazard exists even when AC power supply has been turned off. Disconnect Test Switch/Pilot Light connector before servicing. Test Switch/Pilot Light to be left disconnected until driver and LED lamp leads are connected.

INVERTER INSTALLATION AND WIRING

1. Position PSDVL3 on optional mounting tray kit ELA PSDMT or other suitable mounting tray or channel (not provided) and fasten securely through mounting slots (see Fig. 1).

2. Inspect PSDVL3 and make sure the battery connector (2 red leads) is not connected.

3. Refer to appropriate wiring diagram. Connect unit to driver and led lamp leads per wiring diagram. Note: A 7/8" dia. conduit entry hole may be required to access lamp/driver and AC power wires.

4. Install the pilot light and test switch as described in section labeled INSTALLING PILOT LIGHT AND TEST SWITCH.

5. Apply continuous power to PSDVL3.

6. Connector the battery connector (2 red leads).

CAUTION: Damage to battery will occur if battery connection is made for a prolonged period of time without AC power provided.
INSTALLING PILOT LIGHT AND TEST SWITCH

REFLECTOR MOUNTING:
See Figure 2 and Figure 3.
1. Test switch and pilot light may be mounted in a downlighting reflector. Make sure to mount the test switch and pilot light where it is visible both in an ON and OFF position and as high up on the reflector as possible. Drill or punch two 1/2” diameter holes in the downlighting reflector. A center-punched drilling point is recommended.

2. Once drilled, use sand paper to smooth rough edges around each hole.

3. Unscrew threaded nut 1. Insert test switch 2 and reattach nut 1 (see Fig 3).

4. Install bushing 3 in hole, push pilot light 5 and mesh light holder 4 back into bushing 3 (see Fig. 3).

INSPECTION AND MAINTENANCE

NOTE: Emergency lighting systems should be tested as often as local codes require, or at least monthly, to insure that all components are operational. Perform all test required by local codes.

A. Check equipment rating to make certain that fixture will receive proper line voltage.

B. NORMAL OPERATION: Pilot light (LED) should be on, indicating that charging circuitry is functioning properly. If pilot light does not operate, make certain that:
   1. Test switch/pilot light connector are properly connected.
   2. AC power is on.
   3. Voltage on branch circuit to charger is at rated line voltage (120 or 277). If no line voltage can be measured, locate problem in branch circuit and correct.

C. TO TEST: Press test switch. Pilot light (LED) should turn off and lighting fixture should come on operating one lamp at a reduced light output.

NOTE: Allow battery to charge 24 hours before initial testing, and 168 hours to fully charge battery.

NOTE: Battery packs are not field serviceable units.

BATTERY REPLACEMENT

1. Disconnect battery connector (2 red leads).
2. Disconnect both switched and unswitched power to fixture.
3. Remove screw located at end of PSDVL3 lid, remove lid.
5. Supply AC power to fixture and reconnect battery connector (2 red leads). Pilot light should be illuminated.
WIRING DIAGRAMS

IMPORTANT NOTES:

1. TYPICAL SCHEMATIC PROVIDED. CONSULT WITH FACTORY FOR OTHER WIRING DIAGRAMS.
2. EMERGENCY BALLAST AND LED DRIVER MUST BE FED FROM THE SAME BRANCH CIRCUIT.
3. CONTACT LITHONIA CUSTOMER SUPPORT OR REFER TO WEBSITE WWW.LITHONIA.COM/XXX FOR COMPATIBLE LED LAMPS.

- LED LAMP
- LED DRIVER
- BATTERY PACK
- BATTERY CONNECTOR
- PILOT LIGHT
- SWITCHED OR UNSWITCHED INPUT
- TEST SWITCH
- INCREASED LIGHT LEVELS IN EMERGENCY MODE

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