



12 VOLT 72 WATT EMERGENCY UNIT 120VAC OR 277VAC OPERATION INSTALLATION AND OPERATING INSTRUCTIONS

PHILIPS

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- All servicing should be performed by qualified personnel only.
- Do not use this equipment outdoors.
- 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 let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.

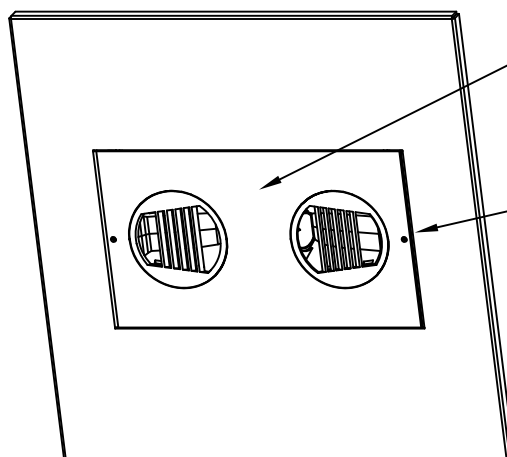
- **CAUTION:** Halogen cycle lamp(s) are used in this equipment. To avoid shattering: Do not operate lamp in excess of rated voltage, protect lamp against abrasion and scratches and against liquids when lamp is operating, dispose of lamp with care.
- Halogen cycle lamps operate at high temperatures. Do not store or place flammable materials near lamp.
- **CAUTION:** "To avoid electrical overload, total connected lamp load (factory and field installed) should not exceed output rating."
- Do not use this equipment for other than intended use.
- This product is U.L. approved for use in IC rated ceilings.

SAVE THESE INSTRUCTIONS WARNING

Shut off AC power to branch circuits to which units will be connected. All wiring should be per National Electrical Code and local regulations.

INSTRUCTIONS - INSTALLATION

1



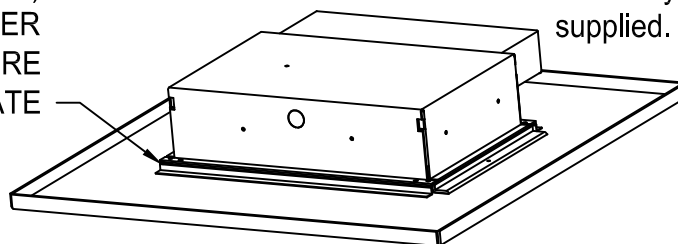
OPTICS ASSEMBLY

SCREW

Remove two screws and set optics assembly aside.

2

INSTALL ONE #8 NUT
(SUPPLIED IN HARDWARE KIT)
ON EACH CORNER
TO FASTEN ENCLOSURE
TO FACEPLATE



Remove desired AC conduit entry knockout from enclosure. Fasten enclosure assembly to face plate using nut kit supplied.

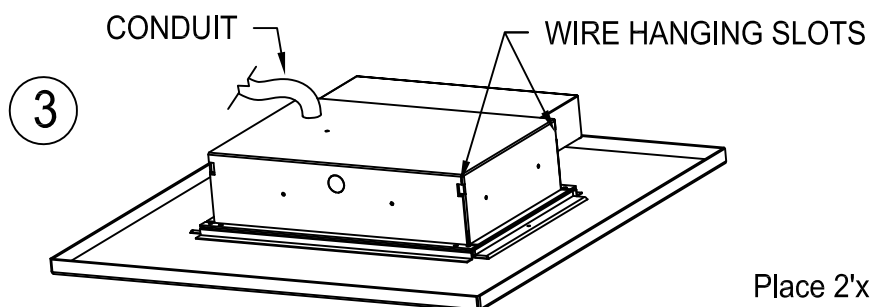
PHILIPS

Philips Lighting North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873, USA
Phone: 855-486-2216
www.philips.com/luminaires

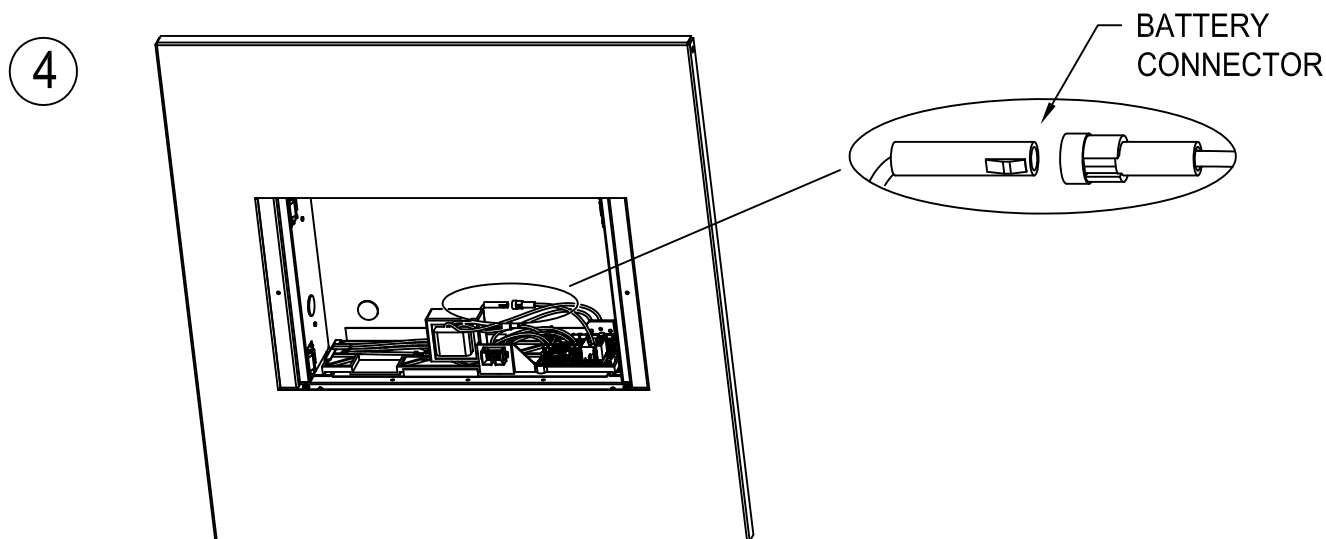
Philips Lighting Canada Ltd.
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PAGE 1

9140053376 FEBRUARY 2016



Place 2'x2' faceplate and enclosure assembly into ceiling grid. Connect AC service conduit to enclosure. Rectangular slots are provided at each corner of enclosure for wire hanging as shown.



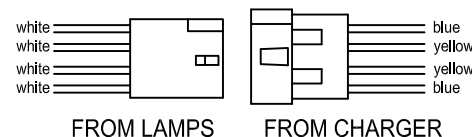
Connect red battery lead by pushing connector halves together (see above).
Make AC service connections. See table below for wiring guide.

INSTRUCTIONS - HOOKUP	
AC HOOKUP	
120 VAC OPERATION	277 VAC OPERATION
White Wire - Common	White Wire - Common
Black Wire - 120V Line	Blue Wire - 277V Line
Blue Wire - Cap Off	Black Wire - Cap Off
Green Wire - Ground	Green Wire - Ground
CAUTION: Unused primary wire must be insulated to prevent shorting.	



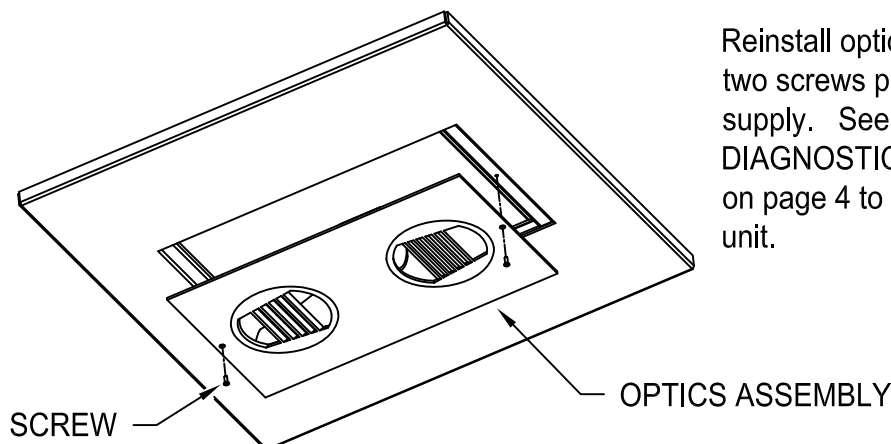
PHILIPS

Connect flex cable connectors from circuit board assembly and optics assembly together as shown. Connect 4 pin lamp connector to mating 4 pin connector from circuit board assembly.



RIBBON CABLE CONNECTORS

Reinstall optics assembly as shown using two screws provided. Energize AC supply. See "SELF TESTING DIAGNOSTICS SYSTEM OPERATION" on page 4 to check for proper function of unit.



CAUTION!

The halogen lamps used in this product operate at very high temperatures. Care should be taken when servicing unit to avoid burns.

NOTE:

- A. This equipment is provided with a lockout feature whereby connecting battery leads prior to energizing AC power will not turn on the emergency lamps. After AC power is energized the emergency lamps will turn on upon AC power failure.
- B. This equipment is provided with a low battery disconnect feature which prevents full discharge of batteries. If the building is to be unoccupied for an extended period and AC power is shut off, the batteries should be disconnected from the charger to prevent damage.
- C. The batteries provided in this equipment are sealed and require no maintenance.

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PAGE 3

9140053376 FEBRUARY 2016



SELF TESTING DIAGNOSTICS SYSTEM OPERATION

Normal Power-Up Sequence At power-up, the red and green LED indicators will alternately flash for one to two seconds. Next, the unit will go thru a "Power-Up Quick Test" with the green LED flashing quickly. If no power-up faults were detected, the green led will then flash slowly for up to 36 hours to indicate that the battery is charging. If any faults were detected during the "Power-Up Quick Test", these will be indicated by a flashing red LED indicator (see below for interpretation of flashing sequences). The red LED may be accompanied by a buzzer. This buzzer may be disabled by a short press of the test switch or by the "SILENCE ALARM" button on the remote tester and will remain disabled for a period of 196 hours. After the fault has been corrected, the red led flash and buzzer will be cleared automatically and the unit will return to normal operation.

Emergency Operation Emergency operation occurs when AC power fails. The unit remains in this mode until AC power is restored. During emergency operation, both red and green LED indicators are disabled. Upon restoration of AC power, the green led will flash for up to 36 hours to indicate that the unit is in battery charging mode.

User Interface

Green LED indicator

- Steady On - AC power is present and battery is fully charged
- Slow Flash - Battery charging
- Fast Flash - Unit is performing an automatic or manually initiated self-test

Red LED indicator

- Single Flash - Battery fault
- Double Flash - Lamp failure
- Triple Flash - Charger fault
- Quad Flash - Transfer Fault

(If more than one fault condition is present simultaneously, the red LED will flash each fault pattern in sequence, then repeat)

Red and Green LED indicators together

- Fast flashing red and green - 277VAC applied to 120VAC input lead

Pushbutton test switch

- Long press (over 0.5 second) - Transfers unit to emergency (battery) operation as long as button is depressed
- Short press - initiates various self-tests.

One press - Cancel any self-test currently running

Two presses - Start 1 minute self-test

Three presses - Start 90 minute self-test

Seven presses - Forces a complete system reset

(The unit will allow up to seven 60-second tests during the first 24 hours of operation. Allow at least 24 hours for battery charging before performing any extended amount of testing.)

Buzzer - Sounds in unison with the flashing red LED if a fault is detected. May be disabled for up to 196 hours by a short press of the test switch (or by pressing the "SILENCE ALARM" button on the remote tester).

IR Receiver - Used with the optional hand-held IR remote tester (order part number ICIR) to initiate or cancel manual testing.