

INSTALLATION INSTRUCTIONS

The solid state lamp shall utilize light emitting diodes (LEDs) and is intended as a replacement of the F20T12 and F17T12 fluorescent lamps used in the following MIL-DTL-16377 fixtures:

M16377/8, M16377/11
M16377/12, M16377/57

CAUTION:



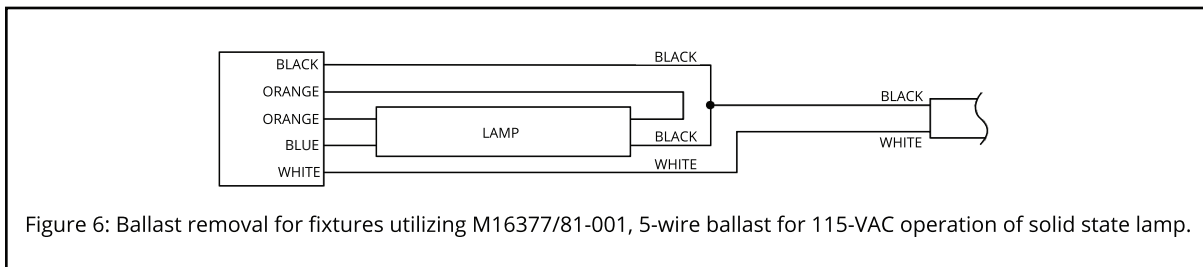
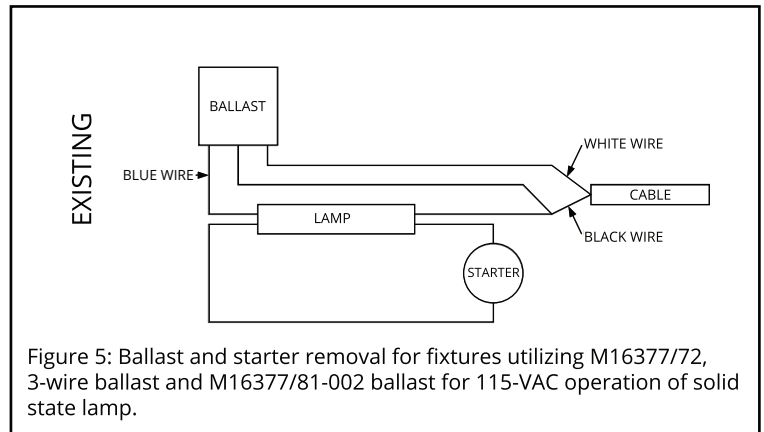
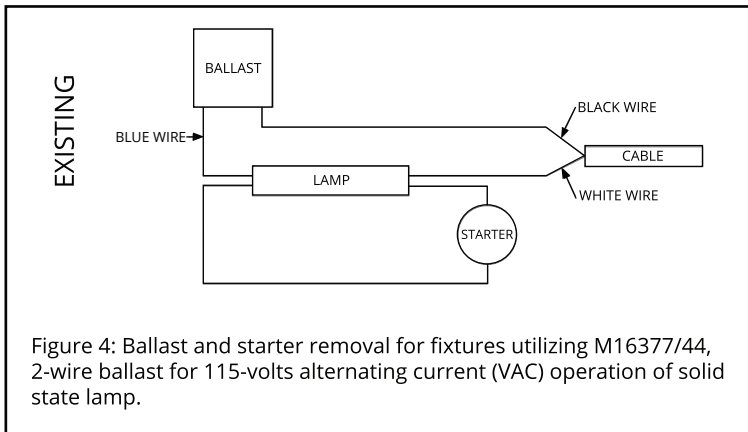
M16377/73, M16377/74
M16377/75

NSN: 6240-01-610-2124

Product Detail Specification can be found in MIL-DTL-16377/86A(SH) for ballast removal and rewiring of fixture. The starter must be removed from fixture if using the LED tube with a ballast-M16377/44 and /72. Power should be in the off position before changing lamps. All other fixtures require that the ballast and starter be removed by disconnecting power to the fixture, removing the fixture lens cover and existing fluorescent tubes, removing starter. Replace fluorescent tubes with LED Smart tubes, return lens cover and reconnect power.

STARTER REMOVAL

Wiring diagram-before



1. Disconnect the light fixture from the power source

2. Unscrew the lens from the fixture (screws will not fall out)

3. Remove the lens from the light fixture

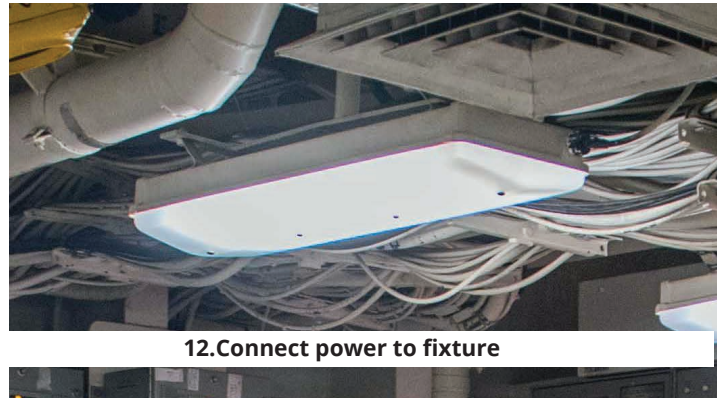
4. Remove the starters

5. Unscrew center brackets

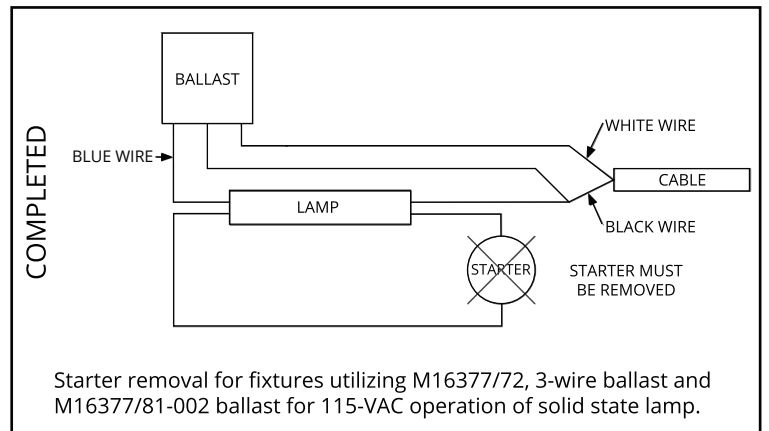
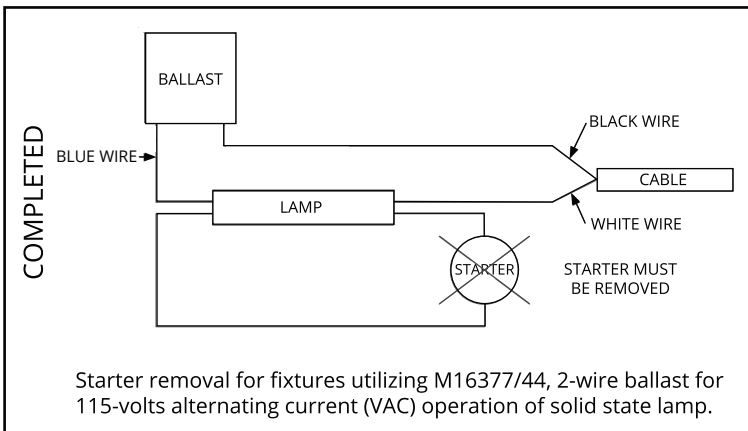
6. Release clips holding the tubes

7. Remove old tubes from the fixture

8. Replace old tubes with the new LED tubes

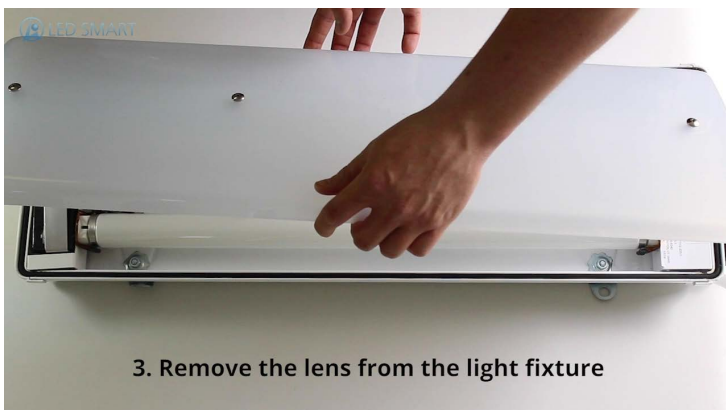
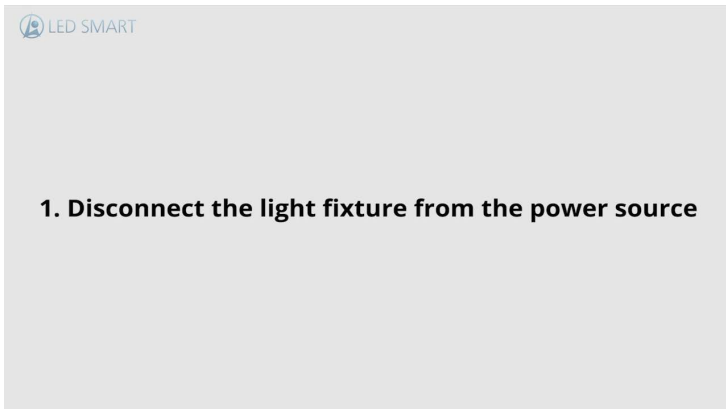
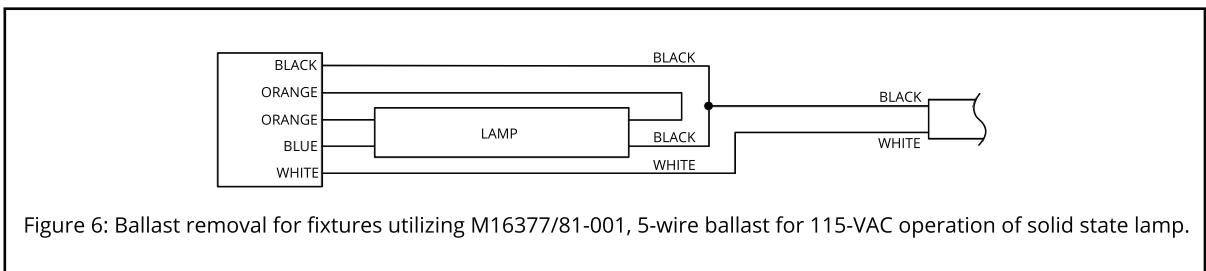
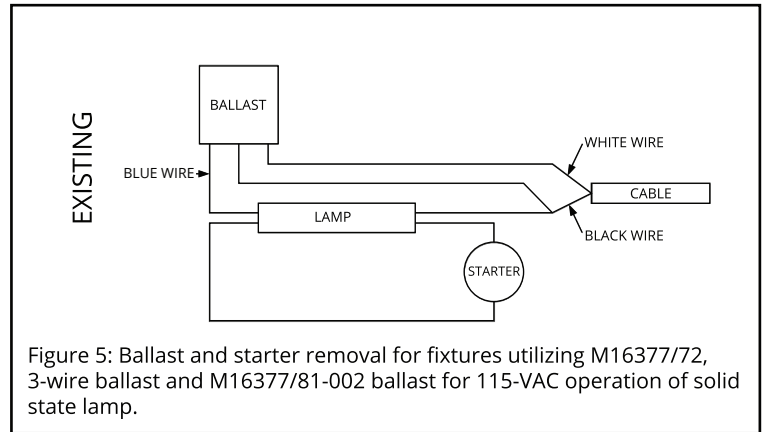
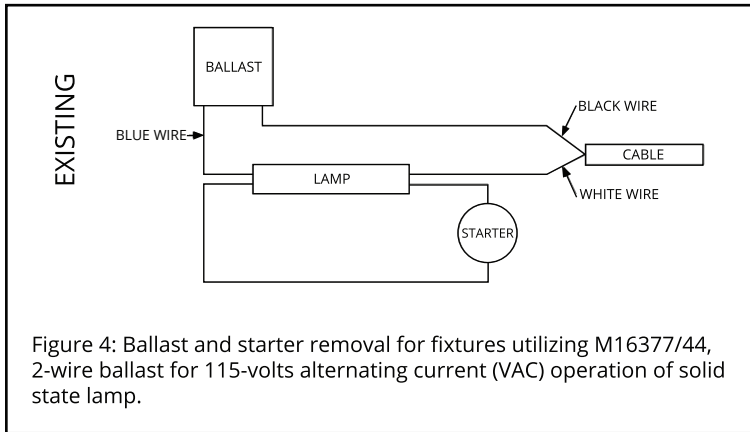


Wiring diagram-after



Ballast removal (2 wire ballast)

Wiring diagram-before





5. Unscrew center brackets



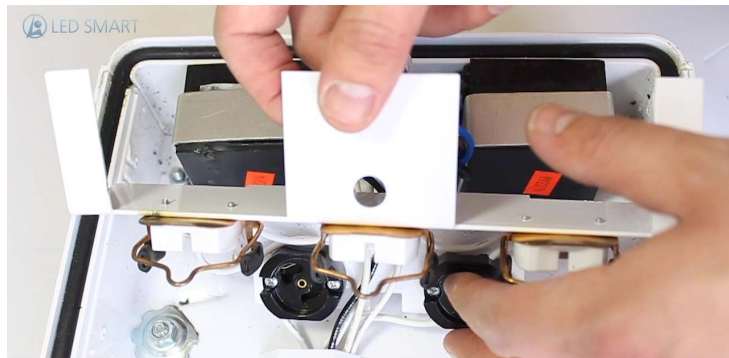
6. Release clips holding the tubes



7. Remove old tubes from the fixture



8. Remove nuts from lamp holder support bracket



9. Remove lamp holder support bracket



10. Cut all 4 wires that are coming out of the bottom of the lamp holder support bracket



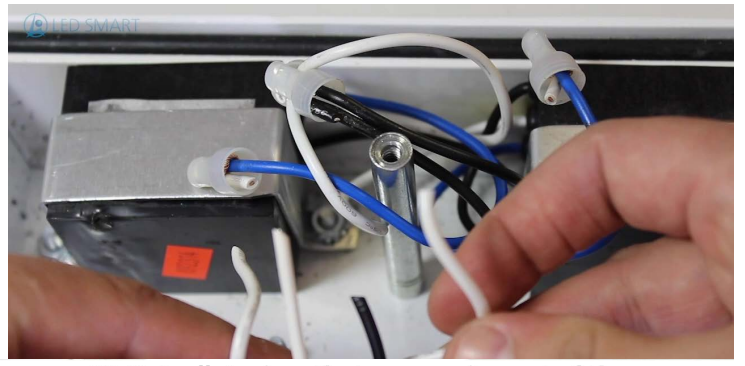
10. Cut all 4 wires that are coming out of the bottom of the lamp holder support bracket



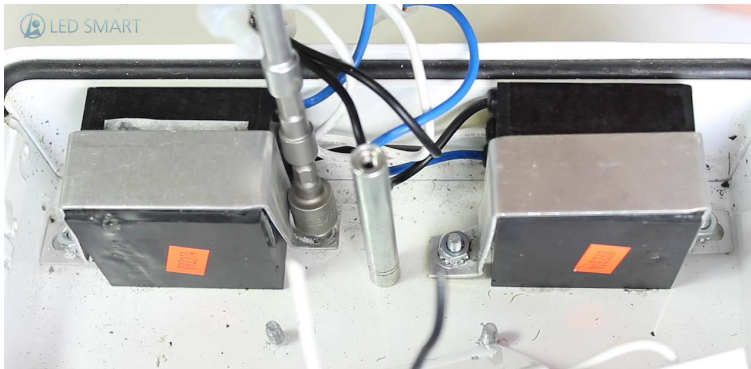
10. Cut all 4 wires that are coming out of the bottom of the lamp holder support bracket



10. Cut all 4 wires that are coming out of the bottom of the lamp holder support bracket



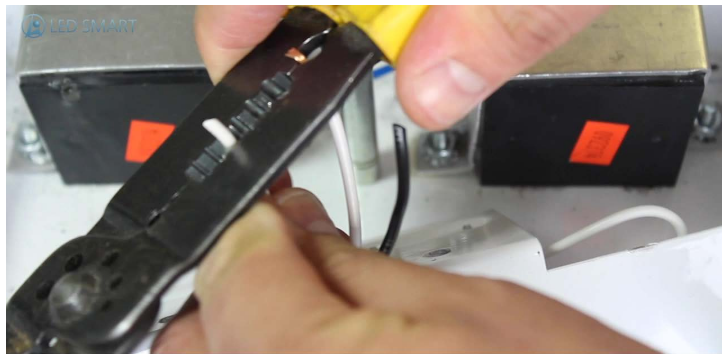
10. Cut all 4 wires that are coming out of the bottom of the lamp holder support bracket



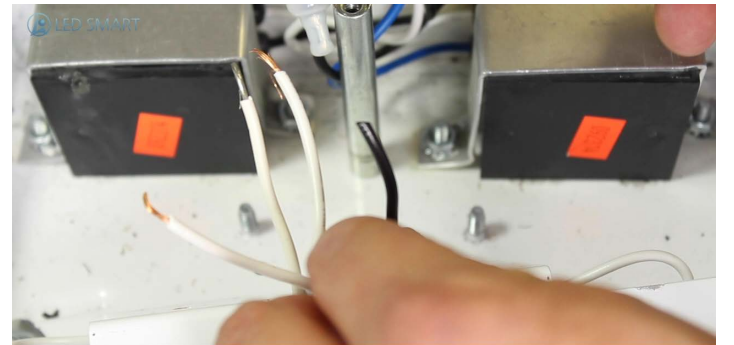
11. Remove the nuts from the ballast cases and remove the ballasts



11. Remove the nuts from the ballast cases and remove the ballasts



12. Strip remaining wires 1/2"-combine all white wires



12. Strip remaining wires 1/2"-combine all white wires



13. Put wire nuts on exposed wires



14. Put the lamp holder support bracket back into place



15. Put nuts back into place on the lamp holder support bracket

LED SMART

Repeat steps 8 to 15 for the ballast on the other side of the light fixture



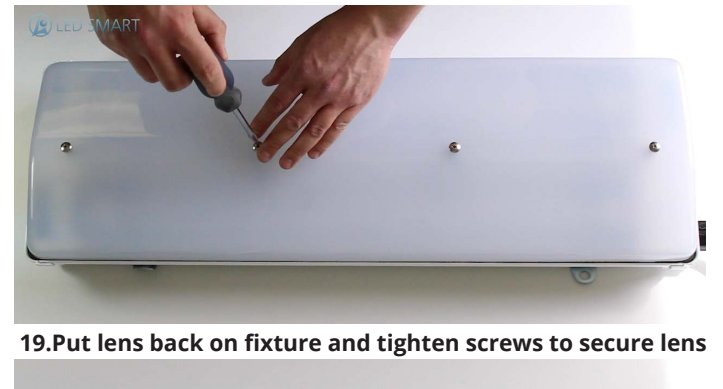
16. Replace old tubes with the new LED tubes



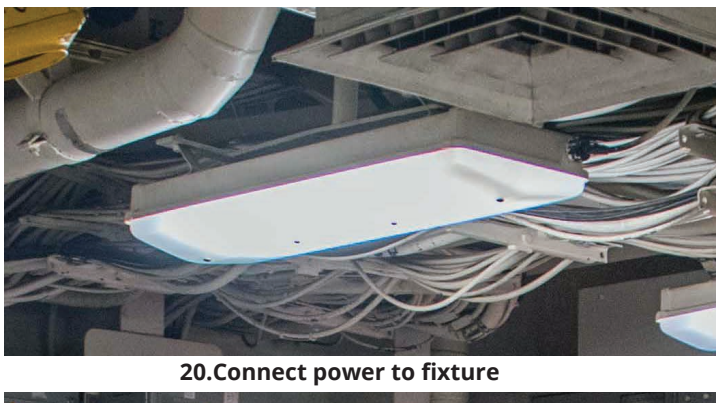
17. Clip LED lights into place



18. Move the center brackets into position and secure with screws



19. Put lens back on fixture and tighten screws to secure lens



20. Connect power to fixture

Wiring diagram-after

