

INSTALLATION AND MAINTENANCE DATA SHEET

A51 Series lighting fixtures for:
Class I, Division 1, Groups C and D;
Class II, Division 1, Groups E, F, and G

**DIRECTIONS FOR FIXTURE
INSTALLATION**

⚠ WARNING GENERAL

1. DO NOT MODIFY UNIT IN ANY WAY. Modification may affect safety and reliability.
2. Improper use or failure to follow these instructions could result in serious injury or property damage.
3. Operator should be instructed in the safe and proper usage and maintenance of this product.

⚠ WARNING ELECTRICAL

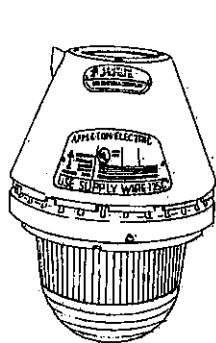
1. Disconnect electrical power before installation, adjustment and maintenance.
2. DO NOT overload; the amperage and voltage indicated on the nameplate must not be exceeded.
3. Check continuity before connecting electrical power.
4. All installations must comply with applicable local and/or National Electrical Code.
5. Before installing check fixture unit nameplate and carton labels to be sure you have correct fixture and mounting hood. Circuit must be deactivated before installing fixture.

⚠ CAUTION GENERAL

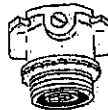
1. All A-51 Series Fixtures are to be mounted vertically with lamp base up.

The fixture unit must be installed with one of the following mounting hoods for safe operation. Failure to use fixture unit with one of the following mounting hoods voids warranty as well as the U.L. Listing and creates the risk of fire or explosion.

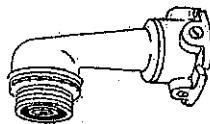
Fixture unit must be installed with:



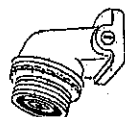
AAP-50, AAP-75 or AAP-100
Pendant Hood



AAC-50, AAC-75 or AAC-100
Ceiling Hood



AALB-50, AALB-75 or AALB-100
Long Wall Bracket Hood

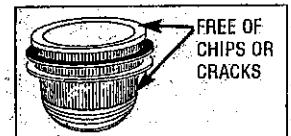


AASB-50, AASB-75
Short Wall Bracket Hood

1. Use the installation drawing as a guide. Install mounting hood first as all wiring connections are made in the mounting hood. The fixture unit requires no internal wiring connections.
 - Install mounting hood to conduit system (and/or wall, ceiling or stanchion). If using pendant or stanchion mounting hood, secure the hood to the conduit system with the set screw.
2. Remove the connection block (VPT7) from the mounting hood by loosening (but not removing) the two Phillips head screws. Turn connection block counter-clockwise to remove.
3. When using ceiling bracket (AAC-), long wall bracket (AALB-), or short wall bracket (AASB-), mounting hoods, threaded adapter (59064050000) can be removed by lifting gasket (59064034000) to access set screw.
 - Loosen set screw and turn adapter counter-clockwise for easier access to junction box. If long bracket (AALB-) is being used, bracket can be removed from junction box by loosening set screw in flange and turning counter clockwise.
4. Pull supply wires from the conduit into the junction box. Make connection of supply wires to the VPT-7 connection block by attaching "HOT" voltage lead to the brass terminal and common "neutral" lead to silver terminal.
5. Secure threaded adapter (where applicable) or long bracket (where applicable) to junction box and tighten all set screws.
6. Secure VPT-7 connection block to threaded adapter or mounting hood by slipping over Phillips head screws, turning clockwise and tightening screws.
7. Install lamp into fixture unit. See directions under "Lamp Installation Instructions".
8. Inspect threads of mounting hoods and the fixture unit to be sure they are clean and free of damage.
 - Inspect globe for any chips, scratches or cracks.

⚠ CAUTION GENERAL

Chipped, scratched or cracked globes will fail. Replace any such defective lamp housing.

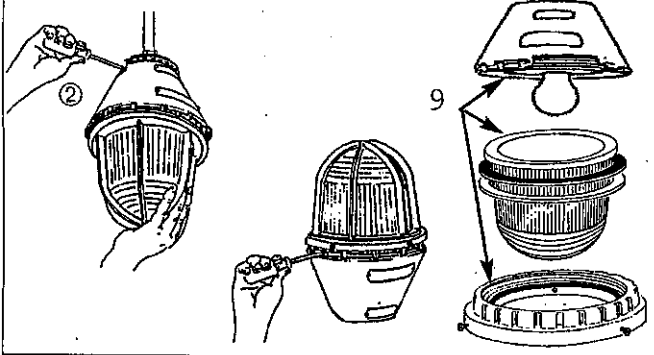


9. Thread the fixture unit into mating threads of mounting hood until tight against gasket of mounting hood. Locking spring of fixture unit should engage with notches on mounting hood.
10. Install guard and/or reflector if desired. Check tightness of set screws and all threaded joints. Activate supply circuit to test fixture.

KEEP THIS MANUAL FOR FUTURE REFERENCE

LAMP INSTALLATION INSTRUCTIONS

FIGURE 1



CAUTION: All A-51 series fixtures are to be mounted vertically with lamp base up.

NOTE: All installations must comply with applicable local and/or National Electrical Code.

- A lamp may be safely and easily installed into the fixture at a work bench.
- 1. Disconnect fixture from supply circuit.
- 2. Remove fixture unit from mounting hood by inserting screw driver into canopy notches and using release lugs for leverage.
 - Once loosened from mounting hood, fixture unit can be quickly unscrewed by hand. **Do not remove fixture unit from mounting hood under load.**
- 3. Place fixture unit on bench with globe side up.
- 4. Remove globe ring using pry notches if necessary.
- 5. Remove aluminum and fiber gaskets.
- 6. Lift globe carefully off of fixture and place safely on clean surface.
- 7. Refer to fixture nameplate for proper lamp wattage and types.
- 8. Inspect globe for chips or scratches as such defects will result in globe failure.
- 9. Wipe ground surface of globe and mating surface of fixture with soft clean cloth to eliminate dust, oil or grit.
- 10. Carefully place globe back on ground surface of fixture unit.
- 11. Place the fiber gasket on globe flange first, then place aluminum gasket on top of fiber gasket.
 - **This sequence is important for safe operation of fixture.**
- 12. Replace globe ring carefully and screw onto fixture unit until globe ring is tightly in place.
- 13. Thread fixture unit into mounting hood as per "Directions for Fixture Installation, Numbers 9 and 10".

CAUTION: Disconnect supply circuit before opening or relamping fixture.

MAINTENANCE DATA

- To relamp, see "Lamp Installation Instructions."
- To maintain maximum light output from this fixture, it should be cleaned periodically as follows:
 1. The aluminum exterior of this fixture should be cleaned only with a mild soap or cleaner, and should be rinsed with water immediately. *Alkaline or acidic cleaners will attack the protective coating of epoxy on the fixture and should not be used.* This will allow the epoxy to protect the fixture from corrosive elements in the atmosphere and result in longer fixture life.
 2. The glass globe should be cleaned using a soft cloth and a non-abrasive cleaner. The globe should be regularly inspected for scratches or chips. If the globe is scratched or chipped, it must be replaced.
 3. The porcelain enamel reflector may be cleaned with any non-abrasive detergent or glass cleaner.
 - These periodic cleaning procedures are important to prevent the accumulation of dust and dirt which will impair the light output of the fixture.
 - When relamping, be careful not to damage the external threaded areas, since they maintain the fixture's explosion-proof properties.
 - When removing and repairing fixture, lubricate threads only with Appleton TLC-3 conductive, high temperature lubricant. This should only be necessary if threads are no longer coated with the blue or black color of the dry film lubricant.
 - See attached drawing for replacement parts list

OPERATIONAL DATA

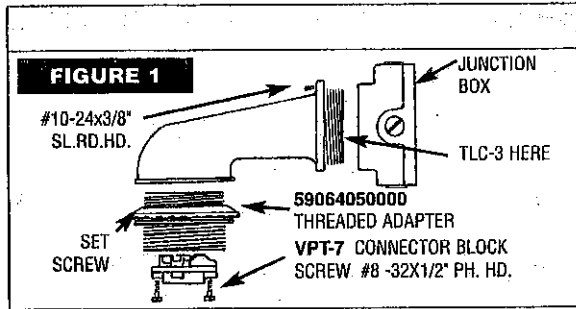
- The fixture must be operated in an environment that does not exceed 40°C.
- The fixture may be operated on AC power only up to 300 volts. Use lamp rated for operating voltage.

WARNING:

- To reduce the risk of fire or explosion, do not install where the operating temperature exceeds ignition temperature of hazardous atmospheres.
- Refer to the nameplate on the fixture for maximum operating temperature and for proper fixture classification.

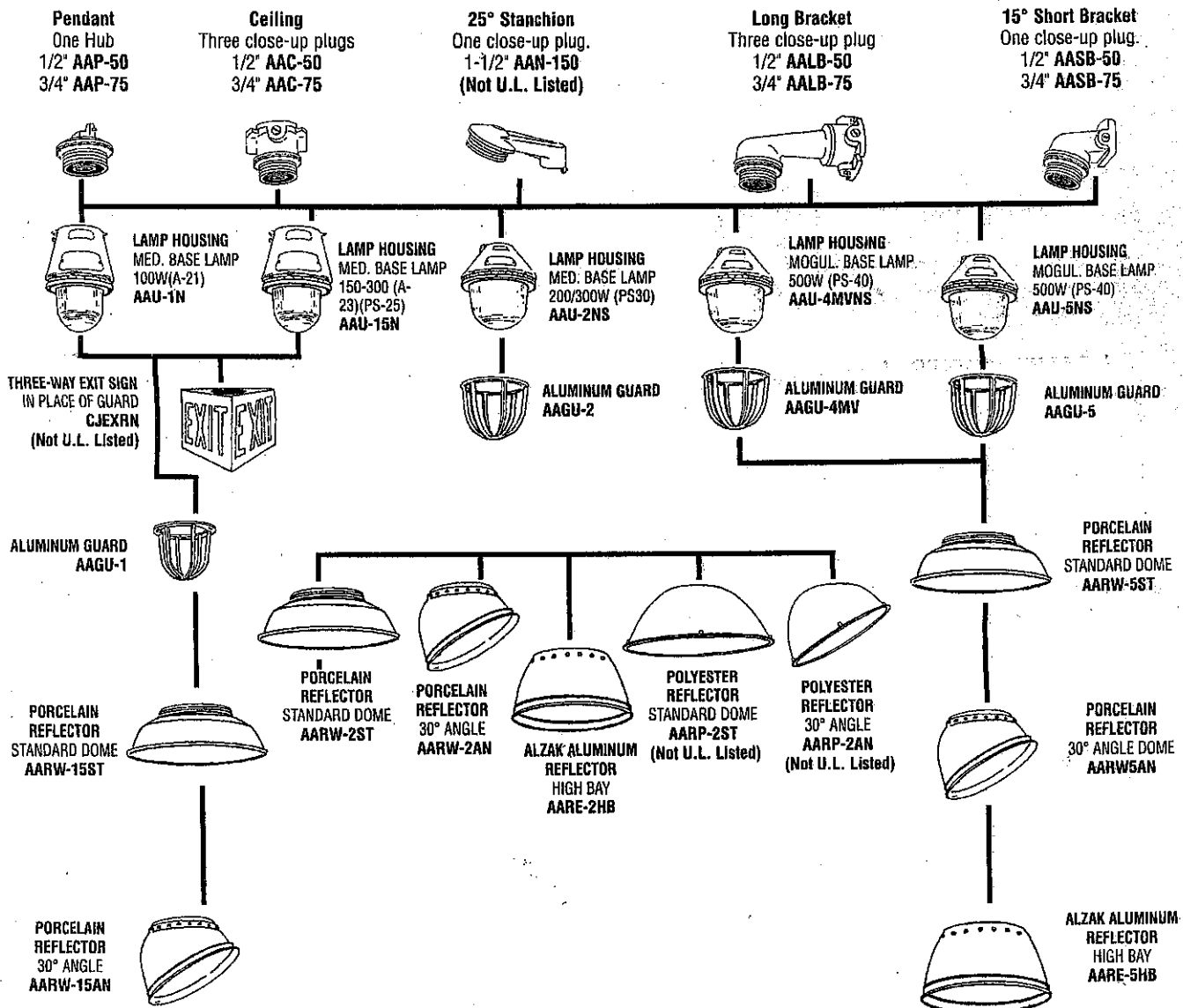
LONG BRACKET INSTALLATION

1. Remove bracket from junction box, pull through leads to connector block. Attach ground wire to grounding screw.
2. Remove Connector block from threaded adapter, pull leads through to connect wires to correct terminal screws.
3. Push block into place and tighten screws — Install fixture: **NOTE:** Plugs should be removed and resealed with pipe sealant.

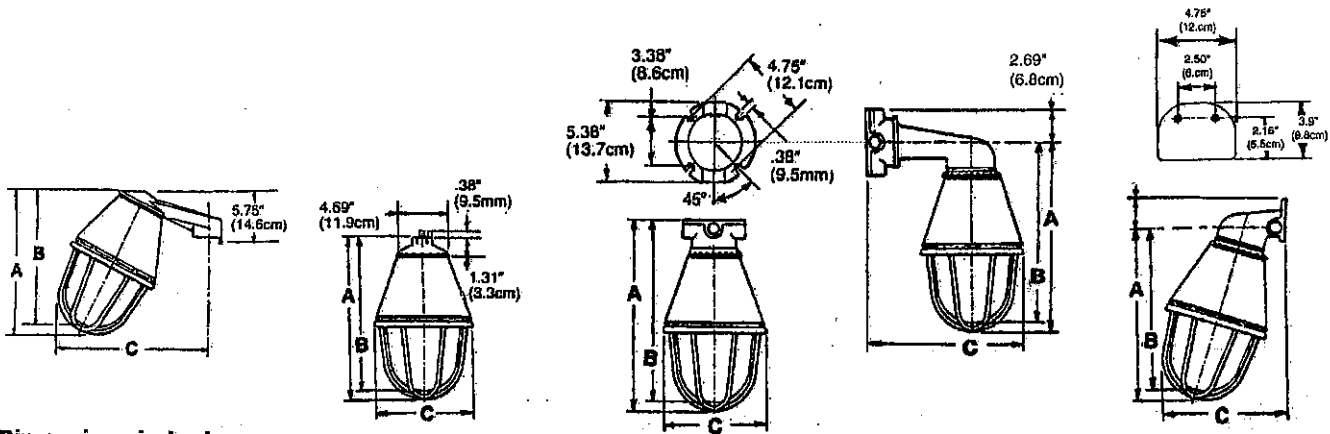


A-51 GROUPS C & D LIGHTING FIXTURES FAMILY TREE

MOUNTING HOODS (Use of components marked "Not U.L. Listed" voids the U.L. Listing of the assembled fixture.)



Dimensions: A-51 Incandescent Lighting Fixtures.



Dimensions in Inches

Size (Watts)	Stanchion			Pendant			Ceiling			Long Bracket			Short Bracket		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
60-100	11.47	10.85	11.50	12.25	11.63	7.06	13.75	13.13	7.06	13.75	13.13	12.38	13.56	12.94	9.13
150-300	11.47	10.85	11.50	12.25	11.63	7.06	13.75	13.13	7.06	13.75	13.13	12.38	13.56	12.94	9.13
200-300	13.07	12.38	12.71	13.94	13.25	8.81	15.44	14.75	8.81	15.50	14.75	13.25	15.19	14.50	10.13
300-500	15.09	14.34	14.64	16.00	15.25	12.13	17.50	17.75	12.13	17.50	16.75	14.88	17.25	16.50	11.94

A-51 Series Reflectors

Size Watts	STD. DOME		30° ANGLE		HIGH BAY	
	A	B	A	B	A	B
60-100	12.00	4.50	10.00	7.63	—	—
150-200	14.00	4.38	10.00	7.63	—	—
200-300	16.00	5.19	12.00	7.88	12.00	6.06
300-500	20.00	6.84	18.00	13.13	18.00	9.13

