H.E. WILLIAMS. INC.

AMD/MDB SERIES

INSTALLATION INSTRUCTIONS

Warning:

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.

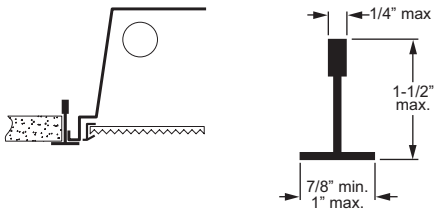
LED Products Only:

- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
- ESD or mechanical damage voids all warranties.

NEMA TYPE "G"

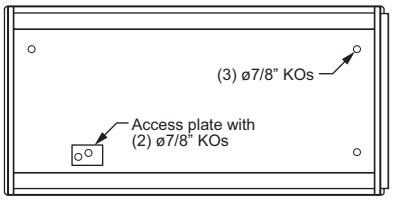
What is a NEMA "G" (Grid) fixture?

– All Williams grid fixtures (NEMA Type "G") are designed to fit securely into a standard NEMA Type "G", 1" nominal T-bar system.

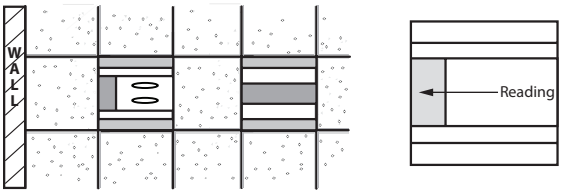


1. Follow the steps below to install the fixture(s) into a NEMA Type "G" ceiling system:
   a. Raise the fixture through the ceiling opening and rest the fixture in the grid system.
   b. Center the fixture within the opening.
   c. Use earthquake clips or integral T-bar clips to secure the fixture to the ceiling structure for added stability.
   d. Refer to local codes for other installation requirements.

2. Once the fixture is installed into the ceiling system, follow the steps below to complete necessary electrical connections:
   a. Remove access plate on the back of the fixture.
   b. Remove ballast supply wires from access plate.
   c. Make wire connections in accordance with local codes. Ground screw is provided on access plate.
   d. Re-install access plate.



ORIENTATION OF FIXTURES WITH READING FUNCTION.



REMOVING SIDE LENS

Starting at one end, push edge of lens in with fingers and pull downward (Fig. 1). Repeat process along length of fixture.

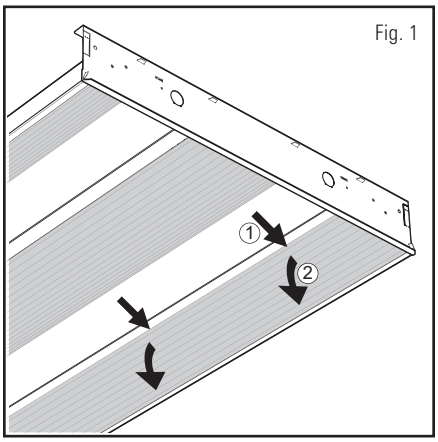


Fig. 1

INSTALLING SIDE LENS

a. To install side lens, place straight edge of lens in corner of fixture (Fig. 2).

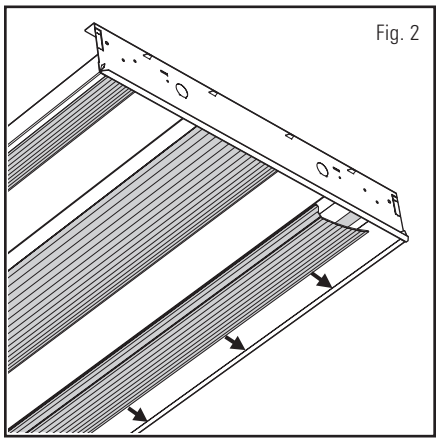


Fig. 2

b. Rotate into position (Fig. 3). Push on lens until it snaps into place. Do not force lens beyond this position.

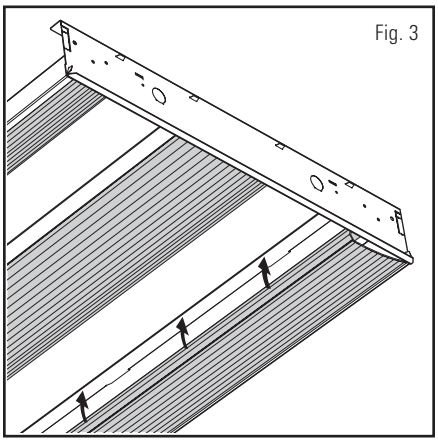


Fig. 3

LINE VOLTAGE WIRING DESIGNATIONS

Low Voltage Relay Supply (unswitched line voltage supply)
Exam
Nurse Light
Ambient
Reading
Emergency (unswitched line volt supply)
Green - Ground
White - Common for all line voltage supply leads.

Line voltage supply wires for each appropriate lighting aperture. (These are power supply wires which are not being controlled through a low voltage controller inside the fixture and that require switching external to the fixture.)

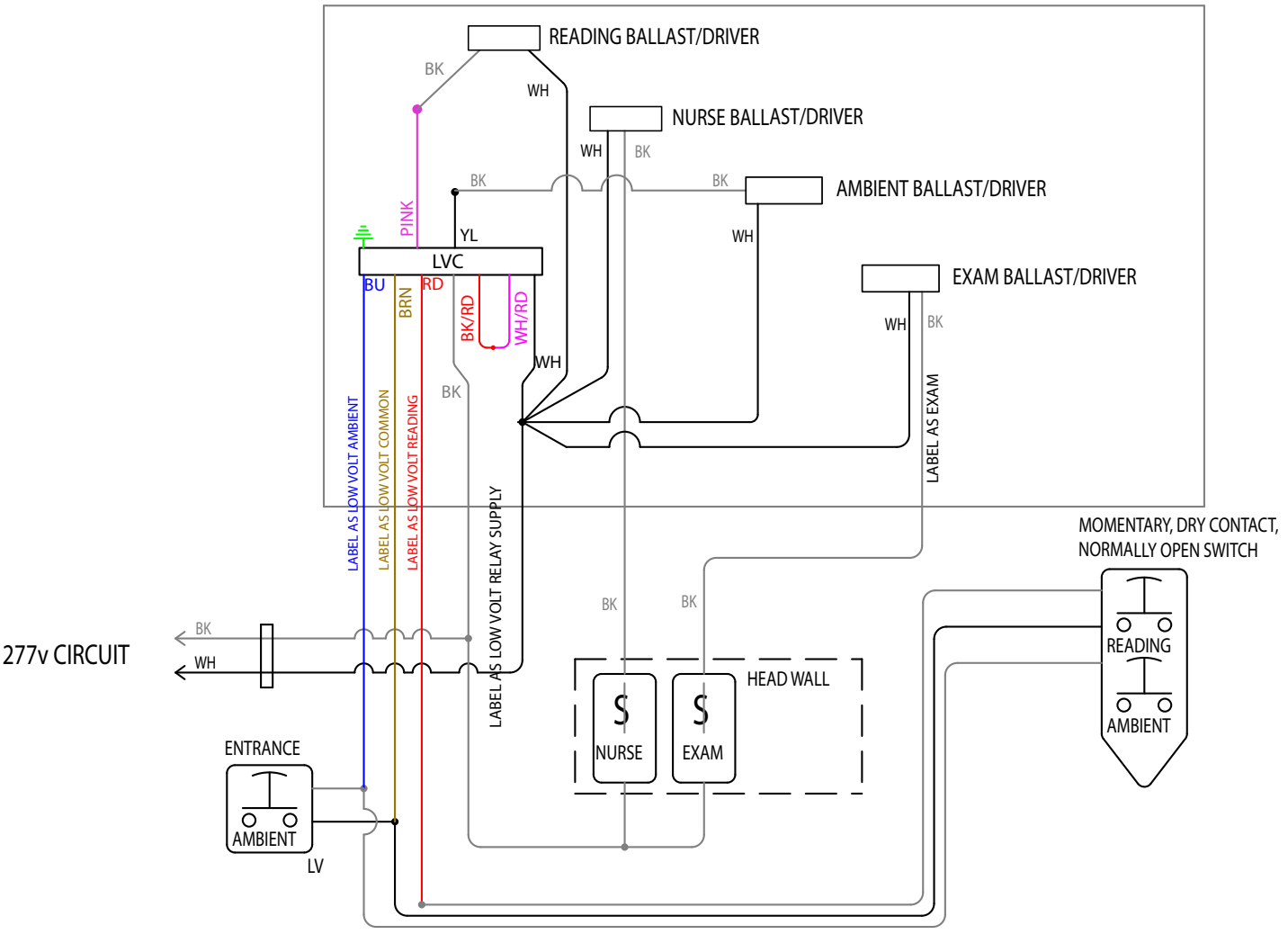
LOW VOLTAGE DESIGNATIONS

Connect 'Low Voltage Commons' with each of the 'Low Voltage' wires as labeled below using a dry contact, normally open switch.

Low Voltage Common
Low Voltage Ambient
Low Voltage Reading
Low Voltage Nurse
Low Voltage Exam

Fixture may not be equipped with all of these low voltage functions.

TYPICAL AMD/MDB DIAGRAM



WIRING DIAGRAM DEPICTS:

1. REMOTE SWITCH FOR CONTROL OF AMBIENT LIGHTING
2. REMOTE SWITCH FOR CONTROL OF READING LAMP
3. ENTRY (WALL) SWITCHING OF AMBIENT LIGHTING
4. LINE VOLTAGE HEAD WALL SWITCHING OF EXAM & NURSE LIGHTING

LOW VOLTAGE RELAY NOMENCLATURE DESIGNATIONS

EXAMPLE: LVC3A/R/N			
Controller	**Load 1**	**Load 2**	**Load 3**
LVC1 = 1-circuit	**A** = Ambient **N** = Nurse **R** = Reading **E** = Exam		
LVC2 = 2-circuit	**A/** = Ambient **R/**= Reading	**A** = Ambient **N** = Nurse **R** = Reading **E** = Exam	
LVC3 = 3-circuit or dimming control	**A/** = Ambient **R/** = Reading **DIMA/** = Ambient, 0-10 dimming[1] **DIMR/** = Reading, 0-10 dimming[1]	**A/** = Ambient **N/** = Nurse **R/** = Reading **E/** = Exam	**N** = Nurse **E** = Exam
	DIMA/DIMR/ = Ambient and reading, 0-10 dimming[1] **SEQAR/** = Ambient and reading, sequential switching[2]		

[1] Smooth dimming of the load utilizing a single, dry contact, momentary, normally open switch which will dim from 25% up to 100% while holding down the switch.

[2] Alternating off and on of (2) loads with multiple cycles of one switch