

MD4 LED 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.

- 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.
- Suitable for dry and damp locations.

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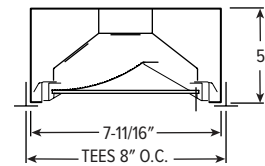
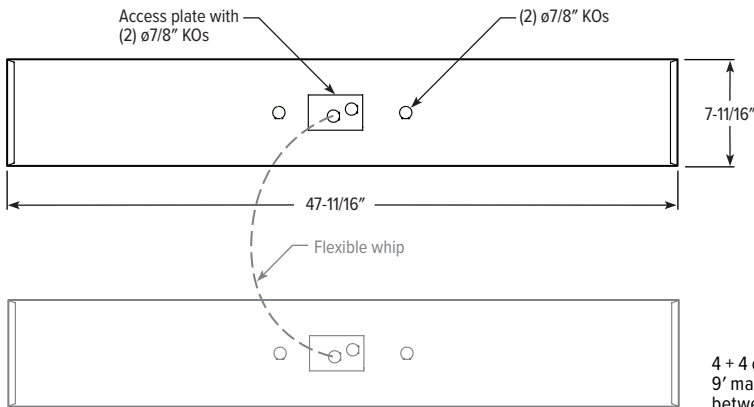
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NEMA TYPE "G"

- STEP 1:** Raise the fixture through the ceiling opening and rest the fixture in the grid system.
- STEP 2:** Center the fixture within the opening.
- STEP 3:** Use earthquake clips or integral T-bar clips to secure the fixture to the ceiling structure for added stability.
- STEP 4:** Refer to local codes for other installation requirements.
- STEP 5:** Remove access plate on the back of the fixture.

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.



4 + 4 combinations supplied with 9' master/satellite flexible whip between fixtures.

- STEP 6:** Remove ballast supply wires from access plate.
- STEP 7:** Make wire connections in accordance with local codes. See "TYPICAL WIRING DIAGRAM" on page 3. Ground screw is provided on access plate.
- STEP 8:** Re-install access plate.

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LINE VOLTAGE WIRING DESIGNATIONS

- Low Voltage Relay Supply (unswitched line voltage supply)
- Exam
- Ambient
- 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 Exam

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

LOW VOLTAGE RELAY NOMENCLATURE DESIGNATIONS

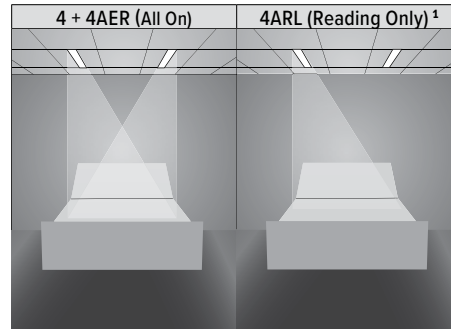
LVC wall plate accessories available, see hew.com for details.

| EXAMPLE: LVC2A/E | | | |
|-----------------------------------|--|-------------------------------------|--------|
| CONTROLLER | LOAD 1 | LOAD 2 | LOAD 3 |
| LVC1 1-circuit | A Ambient R Reading E Exam | | |
| LVC2 2-circuit | A/ Ambient R/ Reading | 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 R/ Reading E/ Exam | 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.

DIRECTIONAL THROW

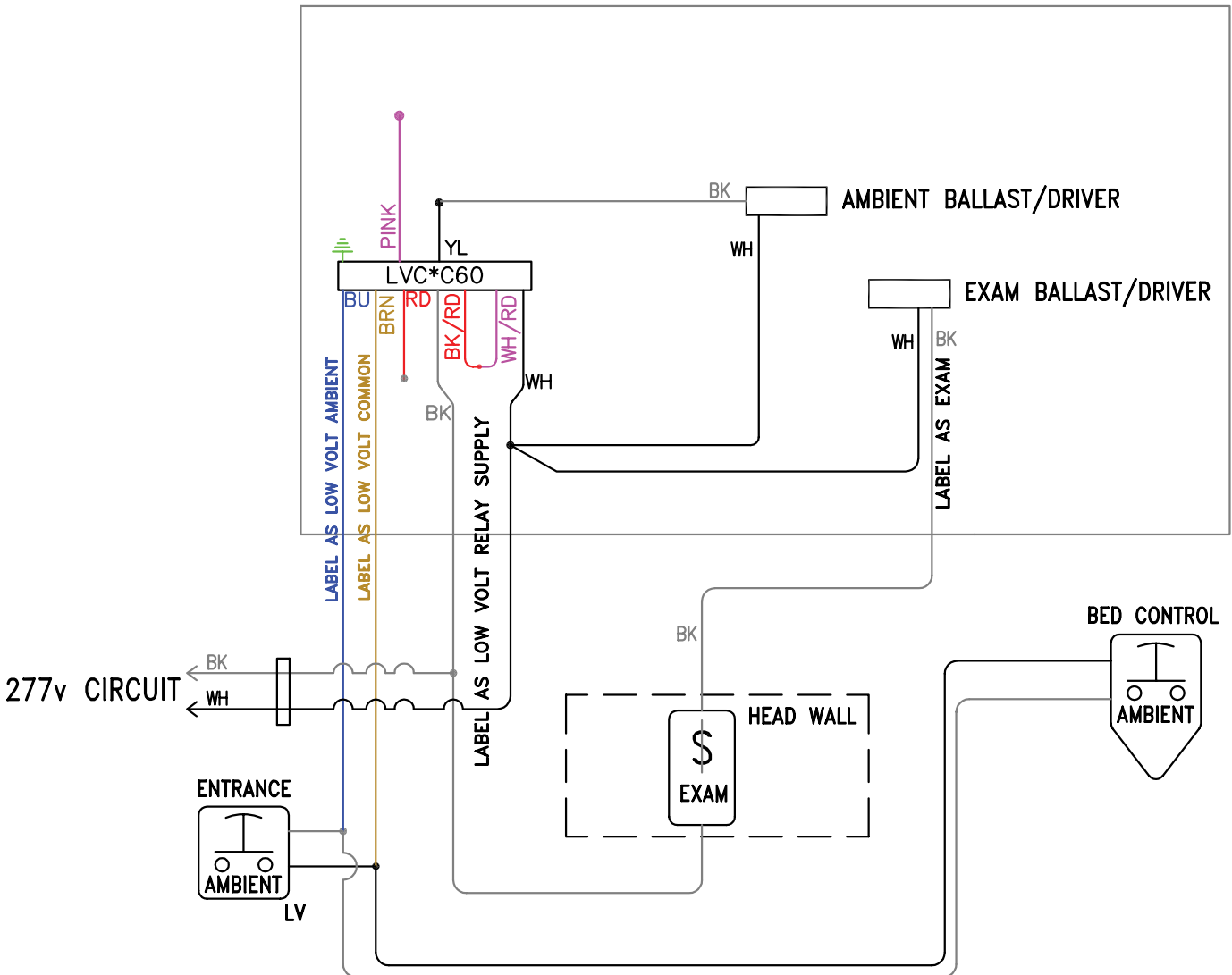


¹ Left side shown. 4ARR is opposite.

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TYPICAL WIRING DIAGRAM



WIRING DIAGRAM DEPICTS:

1. PILLOW SWITCH CONTROL OF AMBIENT LIGHTING
2. ENTRY (WALL) SWITCHING OF AMBIENT LIGHTING
3. LINE VOLTAGE HEAD WALL SWITCHING OF EXAM LIGHTING