

CMR SERIES

INSTALLATION INSTRUCTIONS



WARNING:

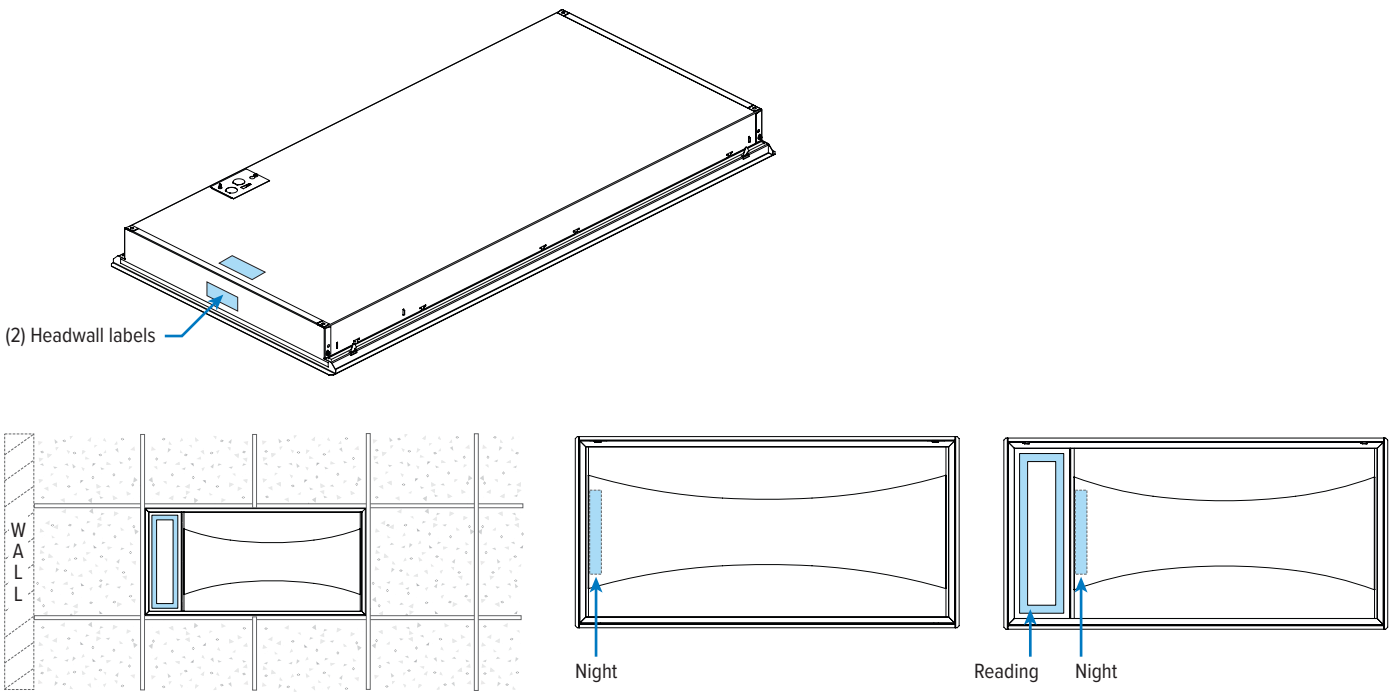
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded 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 or damp locations.

CONTENTS

STEP 1 PLANNING.....	1	STEP 4 WIRING.....	2
STEP 2 PREPARATION	2	STEP 5 TYPICAL WIRING DIAGRAM	3
STEP 3 MOUNTING	2	STEP 6 WIRING DESIGNATIONS	4

STEP 1 PLANNING

A. Identify headwall labels for correct fixture orientation.



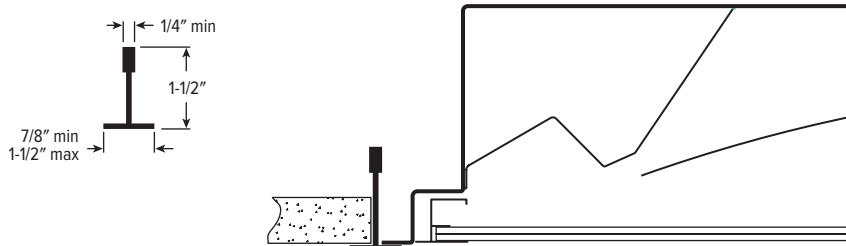
CMR SERIES

INSTALLATION INSTRUCTIONS

STEP 2 PREPARATION

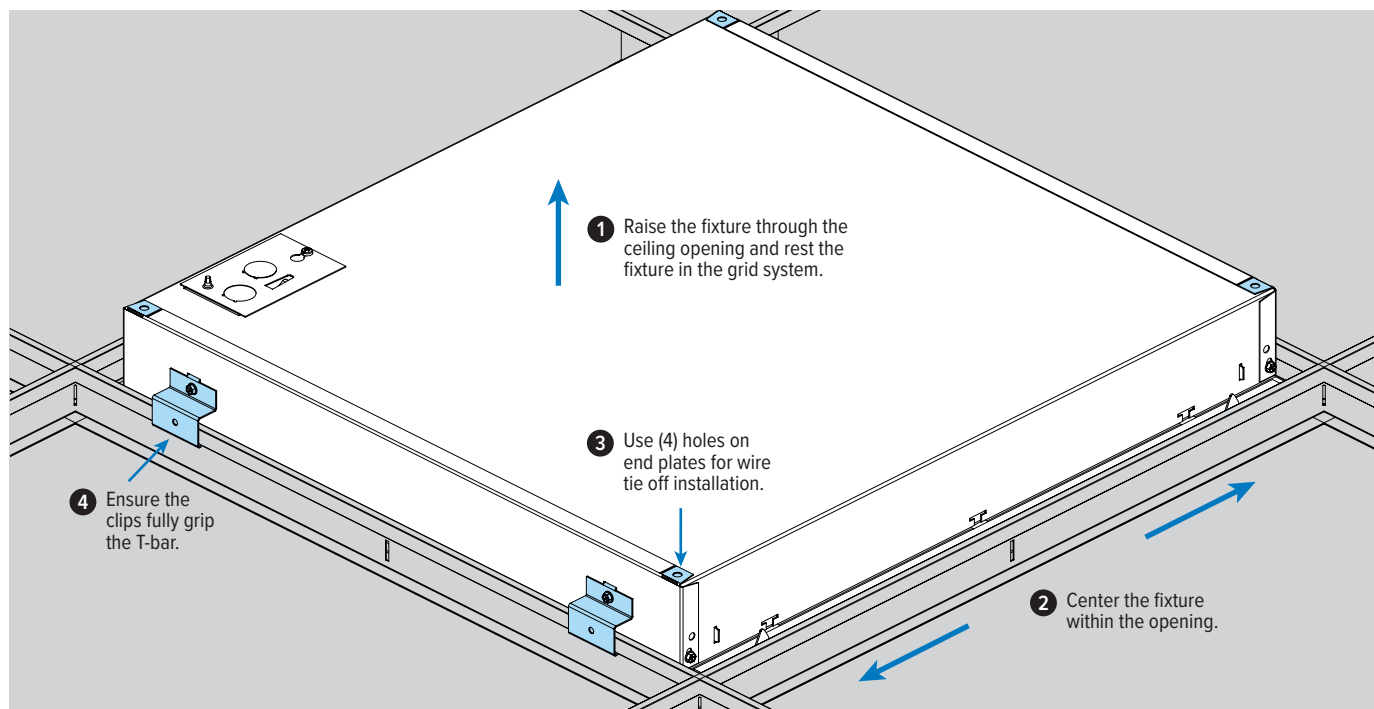
NEMA TYPE "G" (GRID) INSTALLATION

Designed to fit securely into a standard NEMA Type "G", 1" nominal T-bar system.



STEP 3 MOUNTING

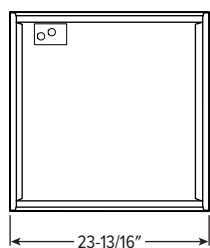
A. Install the fixture(s) into a NEMA Type "G" ceiling system



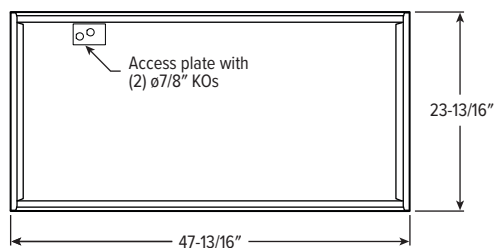
STEP 4 WIRING

A. Make electrical connections in accordance with NEC and local codes. **SEE STEP 5 TYPICAL WIRING DIAGRAM ON PAGE 3.**

2x2 Back View

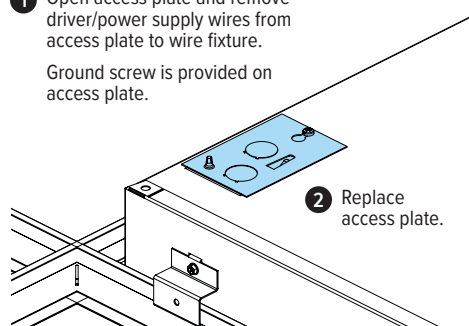


2x4 Back View



1. Open access plate and remove driver/power supply wires from access plate to wire fixture.

Ground screw is provided on access plate.



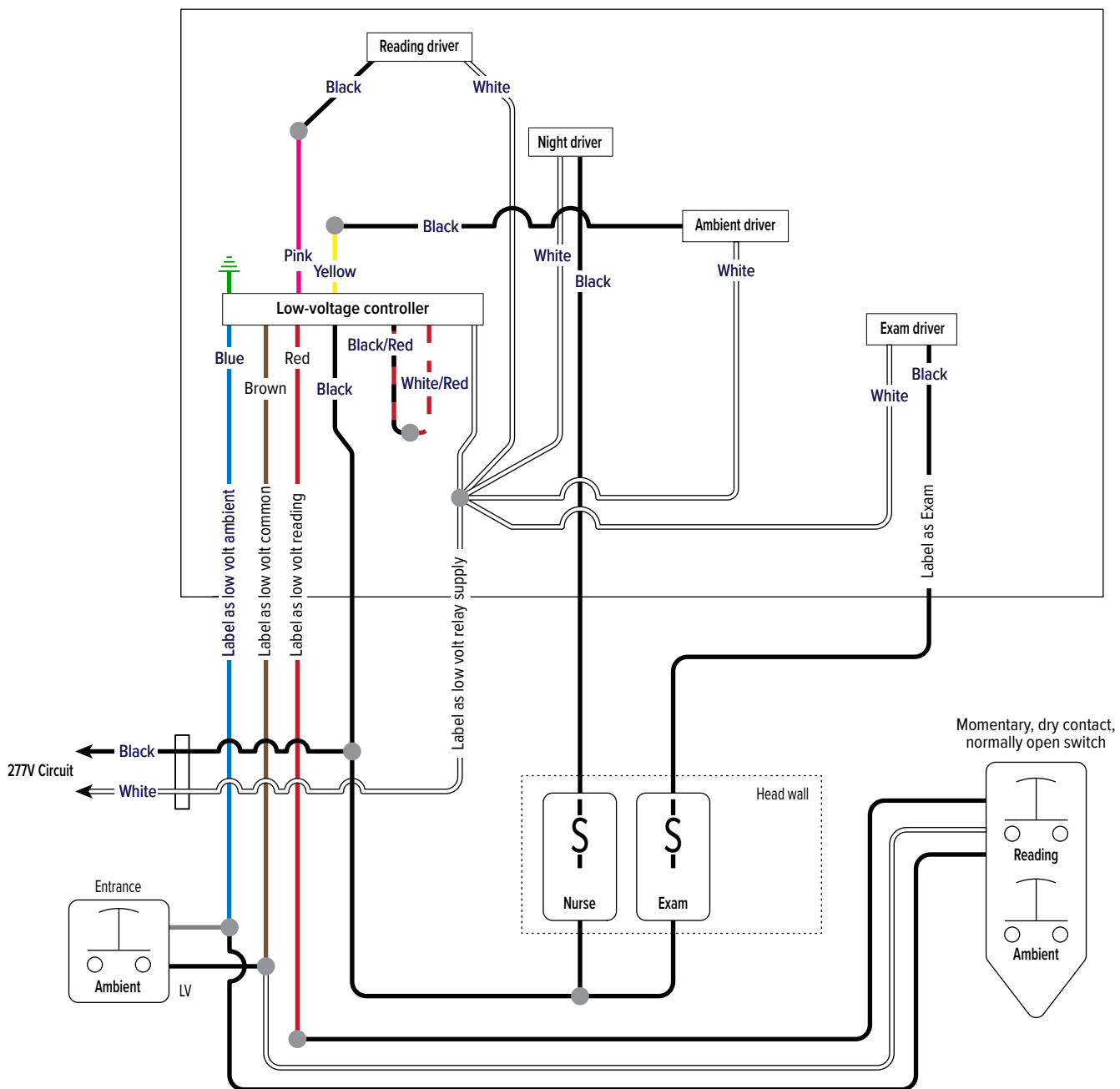
CMR SERIES

INSTALLATION INSTRUCTIONS

STEP 5 TYPICAL WIRING DIAGRAM

WIRING DIAGRAM DEPICTS

- Low voltage remote for control of ambient lighting
- Low voltage remote switch for control of reading
- Low voltage entry (wall) switching of ambient lighting
- Line voltage head wall switching of exam & night lighting



CMR SERIES

INSTALLATION INSTRUCTIONS

STEP 6 WIRING DESIGNATIONS

LINE VOLTAGE WIRING DESIGNATIONS

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

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

LOW-VOLTAGE CONTROLLER

EXAMPLE: LVC3A/R/N			
CONTROLLER	LOAD 1	LOAD 2	LOAD 3
LVC1 1-circuit	A Ambient N Night R Reading E Exam		
LVC2 2-circuit	A/ Ambient R/ Reading	A Ambient N Night 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/ Night R/ Reading E/ Exam	N Night 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.