



**CAUTION! – READ THIS FIRST - IMPORTANT SAFETY INSTRUCTIONS**

**Carefully read the instructions pertaining to your fixture.**

IF YOU HAVE ANY QUESTIONS REGARDING THE PROPER INSTALLATION OR LOCAL CODES, CONSULT A QUALIFIED ELECTRICIAN.

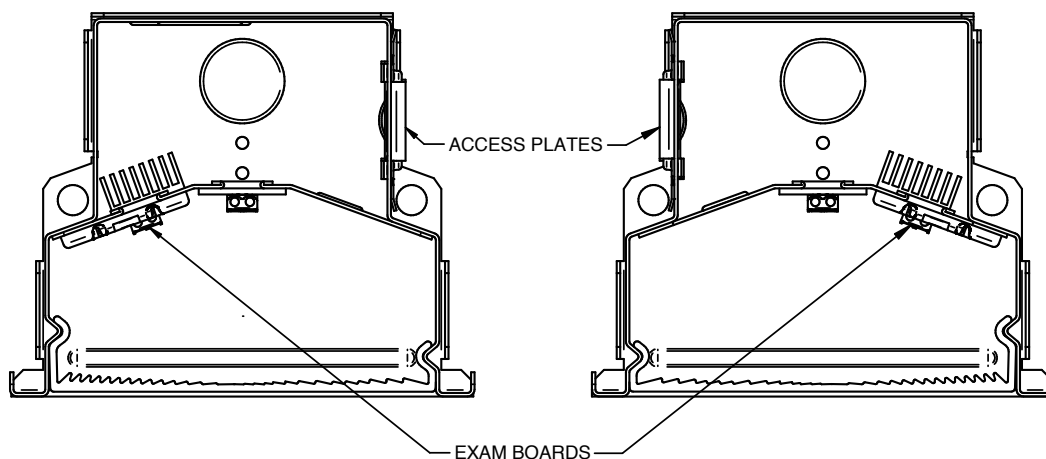
- To avoid shock hazard, do not work with live electrical wires.
- Install the fixture only in indoor applications.
- Do not install outdoors or in applications other than the intended use.
- Install and wire the fixture in locations in compliance with the National Electric Code and any local codes.
- Do not remove any protective films over the lens or reflectors until installation is complete.
- Do not energize the fixture without removing the protective films from the lens or reflectors.

**WARNING:** THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTIONS AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

**WARNING:** RISK OF FIRE, MINIMUM OF 90°C SUPPLY CONDUCTOR. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.

**WARNING:** TO AVOID SHOCK HAZARD, DISCONNECT THE POWER AT THE PANEL BOARD (CIRCUIT BREAKER BOX) BEFORE BEGINNING INSTALLATION.

**FIXTURES MUST BE INSTALLED IN PROPER ORIENTATION**



1. Each set of housings consist of Master and Satellite. The orientation to optimize performance.
2. Access Plates MUST face each other when installed.
3. The Master fixture contains leads for Power connections.
4. Knockouts provided on the access plates to route power leads and dimming leads.
5. Suggested spacing from center-to-center is 42" to 54".



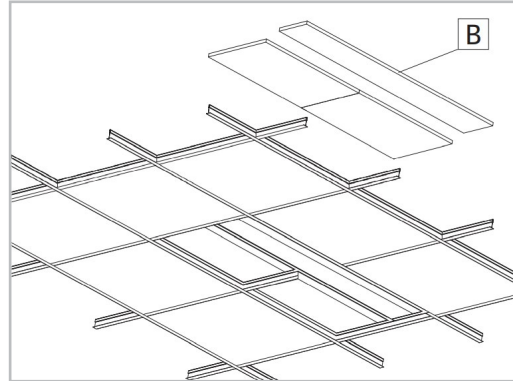
## Kloven™

RECESSED PAINTED ROOM TANDEM FIXTURE

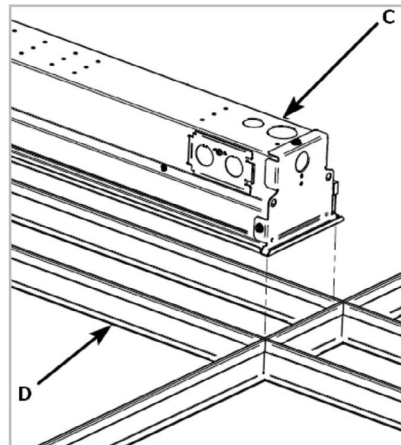
### A. GRID INSTALLATION

The Kloven luminaire can be installed into standard suspended grid ceilings. The weight of the luminaire is supported by the grid and supplemented with direct connection to the building structure. The steps for installation are as follows:

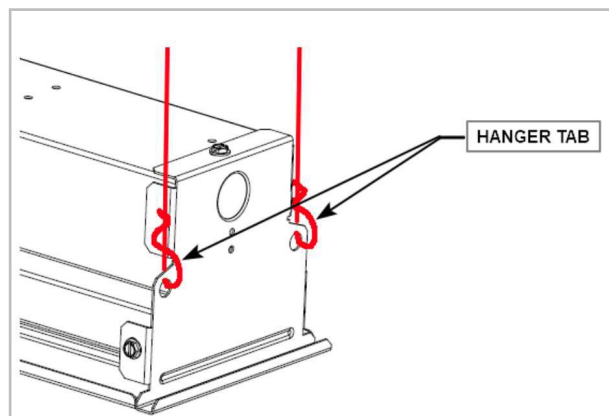
1. Inspect the ceiling grid to make sure it is supported from the building structure as recommended by the ceiling grid manufacturer's instructions. It may be necessary to add or remove grid sections to accommodate the fixture within the existing grid.
2. Remove ceiling tiles (B) where the fixture will be installed as well as the adjacent tiles for easy access during installation. See **Figure 1**.
3. Angle the fixture (C) up through the opening in the grid. Once through the opening, lower the luminaire so that its flanges are supported on the T-bars (D). See **Figure 2**.
4. Locate the hanger support tab at each corner of the luminaire housing as shown in **Figure 3**. Use a hanger wire at all four corners to tie the luminaire to the building structure above. Use 12 gauge minimum hanger wire rated for such application. In addition, follow local building codes regarding required additional support of luminaires.
5. Install the Satellite fixture like the master fixture.



**Figure 1: Ceiling Tiles**



**Figure 2: T-Bars**



**Figure 3: Hanger Tab**

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### RECESSED PAITENT ROOM TANDEM FIXTURE

#### A. GRID INSTALLATION

6. Remove Access Plate from MASTER fixture and A Flexwhip connects Master to Satellite.
7. The Flexwhip is prewired to the Master fixture. Remove access plate on Satellite fixture and corresponding pairs (Ambient, Exam and Reading). Make Connection between low voltage wires using quick connects. find Power Cords. See **Figure 4**.
8. Attach Flexwhip to Access Plate on the Satellite fixture with a snap-in connector. Reinstall the access plate. See **Figure 5**.
9. Secure the fixture to the T-Bar with (2) T-Bar Clips. The T-Bar clips are attached to the endcaps using (2) #6 screws. See **Figure 6**.
10. Connect ground and incoming power lines to fixture.

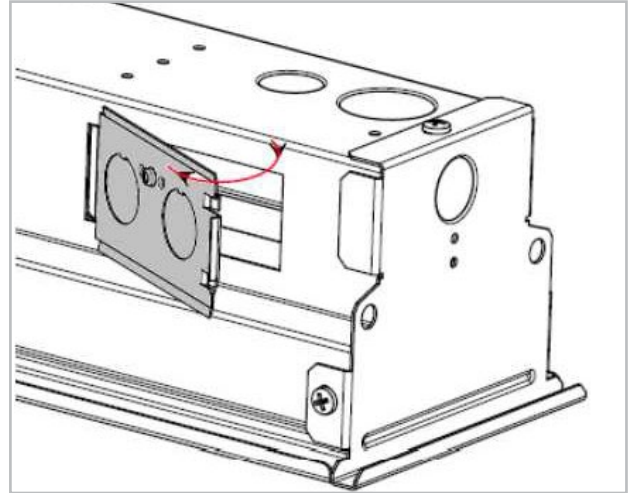


Figure 4: Hanger Tab

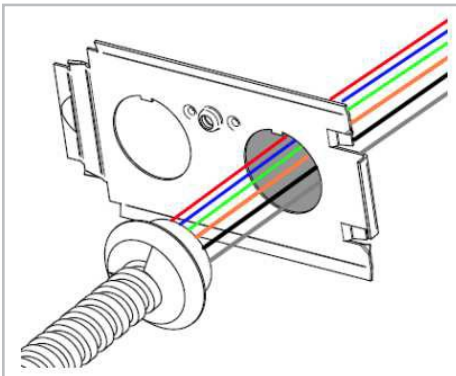


Figure 5: Flexwhip

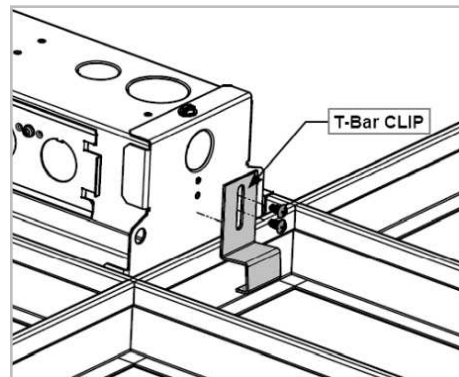


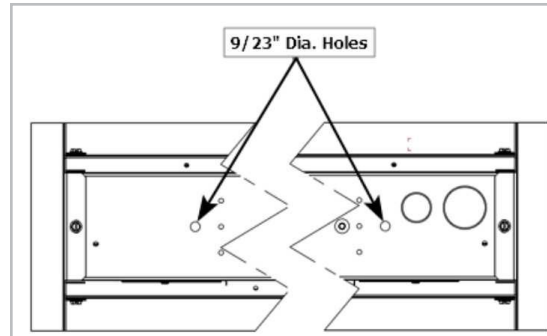
Figure 6: T-Bar Clips

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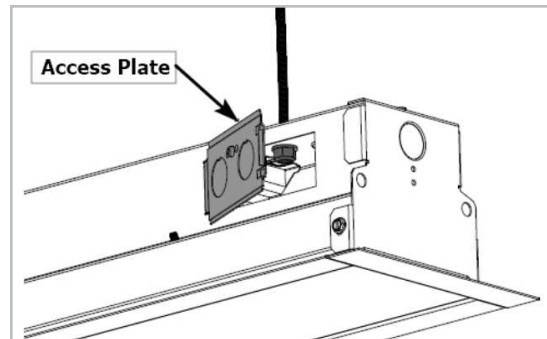
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#### B. FLANGE INSTALLATION

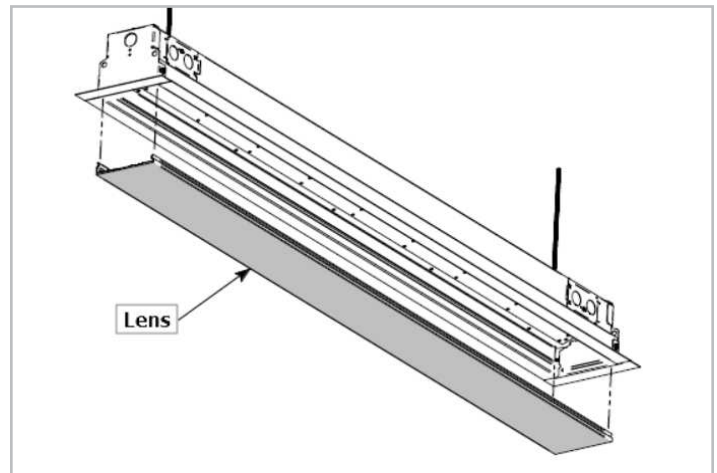
1. Drywall Cutout is 4.50" x 47.5" per fixture. Suggested fixture spacing, from center-to-center, is 42" to 54".
2. Fixtures are mounted, supported by (2) ¼"-20 Threaded Rods supplied by installer.
3. Find (2) 9/23" Diameter Holes. These holes are spaced 39.5" apart. See *Figure 7*.
4. Mounting holes can be accessed by either removing the Access Plate or by removing the lens and reflector assembly. See *Figure 8*, *Figure 9* & *Figure 10*.
5. To remove lens, insert screwdriver or flathead pry tool into the edge and pull down. See *Figure 9*.
6. To remove Reflector Assembly, remove (8) screws. See *Figure 10*.
7. Raise fixture up to ceiling and secure to Threaded Rods.
8. Thread the ¼"-20 Rods through the housing from the top as shown. Tighten the ¼"-20 nuts onto the bolts from below until Fixture is snug to ceiling.
9. Remove Access Plate from MASTER fixture and find Power Cords. See *Figure 4*.
10. A Flexwhip connects Master to Satellite. The Flexwhip is prewired to the Master fixture. Remove access plate on "Satellite fixture and corresponding pairs (Ambient, Exam and Reading). Make Connection between low voltage wires using quick connects.
11. Attach Flexwhip to Access Plate on the Satellite fixture with a snap-in connector. Reinstall the access plate. See *Figure 5*.
12. Connect ground and incoming power lines to fixture.
13. Reattach Reflector Assembly. See *Figure 10*.
14. Reattach Lens to housing. See *Figure 9*.



*Figure 7: Threaded Rod Holes*



*Figure 8: Access Plate*



*Figure 9: Lens Removal*

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### RECESSED PAITENT ROOM TANDEM FIXTURE

#### C. PLASTER INSTALLATION

1. Drywall Cutout is 4.50" x 47.5" per fixture. Suggested fixture spacing, from center-to-center, is 42" to 54".
2. Fixtures are mounted in framed plaster drywall ceiling with dry-wall screws. Drywall screws are inserted through holes in fixture trims and end cap trims. See *Figure 11*.
3. To remove lens, insert screwdriver or flathead pry tool into the edge and pull down. See *Figure 9*.
4. To remove Reflector Assembly, remove (8) screws. See *Figure 10*.
5. Lift Fixture near ceiling opening and bring electrical feed into fixture wireway through access plate.
6. Remove Access Plate from MASTER fixture and find A Flexwhip connects Master to Satellite. See *Figure 4*.
7. Flexwhip is prewired to the Master fixture. Remove access plate on Satellite fixture and corresponding pairs (Ambient, Exam and Reading). Make Connection between low voltage wires using quick connects Power Cords. See *Figure 4*.
8. Attach Flexwhip to Access Plate on the Satellite fixture with a snap-in connector. Reinstall the access plate. See *Figure 5*.
9. Connect ground and incoming power lines to fixture.
10. Reattach Reflector Assembly. See *Figure 10*.
11. Reattach Lens to housing. See *Figure 9*.

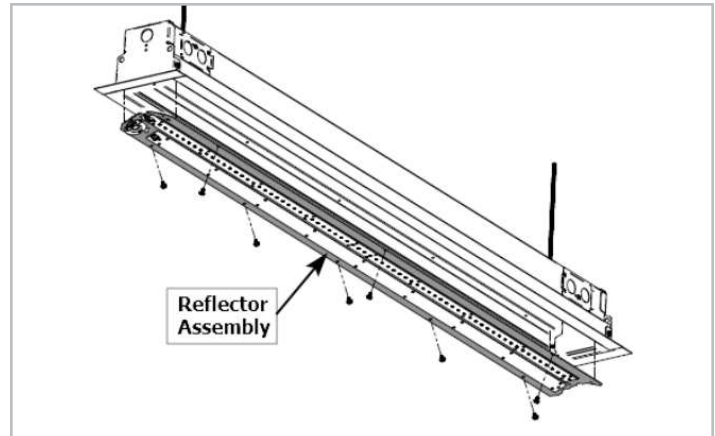


Figure 10: Reflector Removal

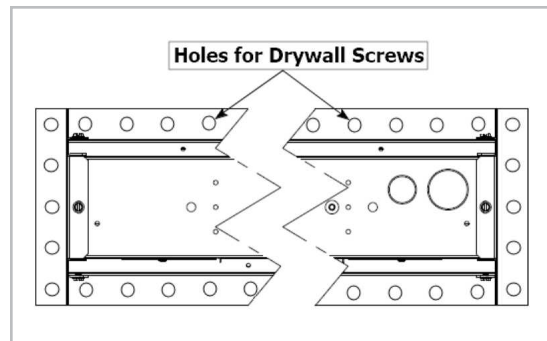


Figure 11: Drywall Screw Holes

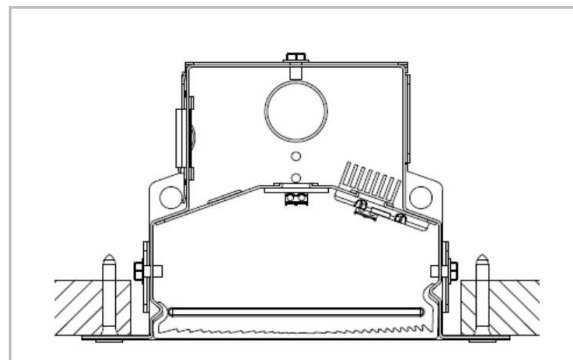


Figure 12: Ceiling Mount

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### D. LOW VOLTAGE CONTROLLER (LVC) WIRING

Locate the wiring diagram that matches the LVC option selected for the product being installed.

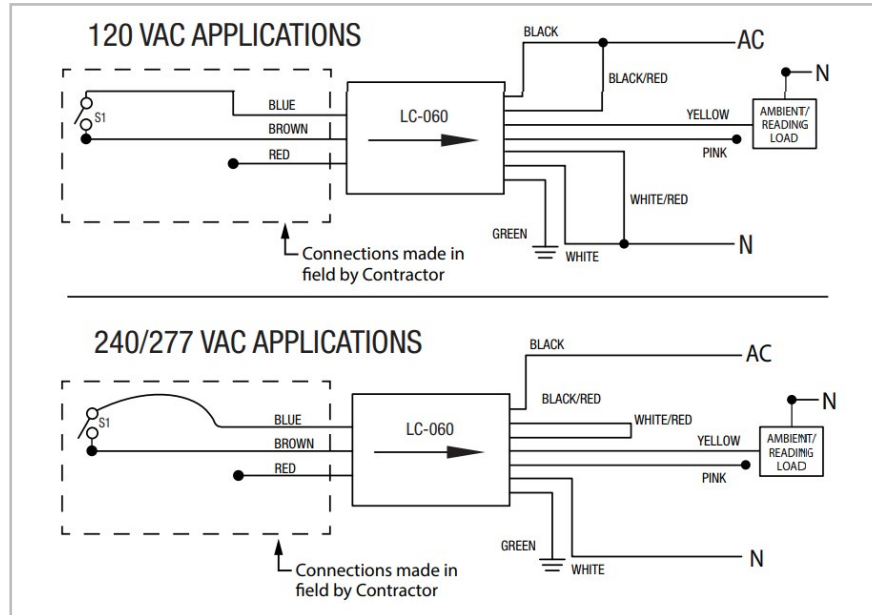


Figure 13: LVC1, LVC2- Independent control of ambient/reading mode

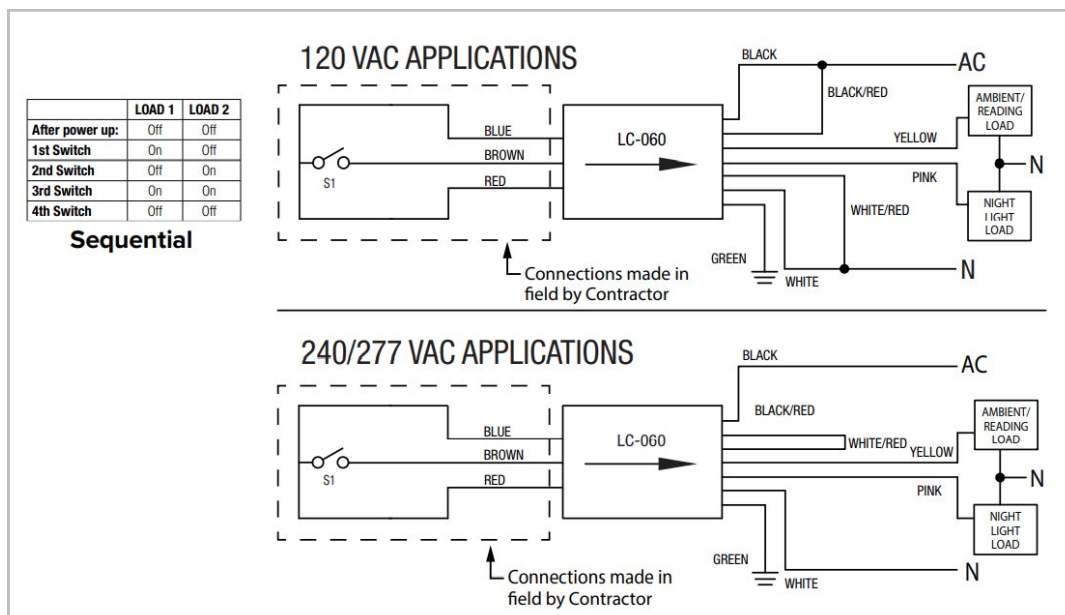


Figure 14: LVC3- Sequential control of two modes with one SPST momentary switch



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### D. LOW VOLTAGE CONTROLLER (LVC) WIRING

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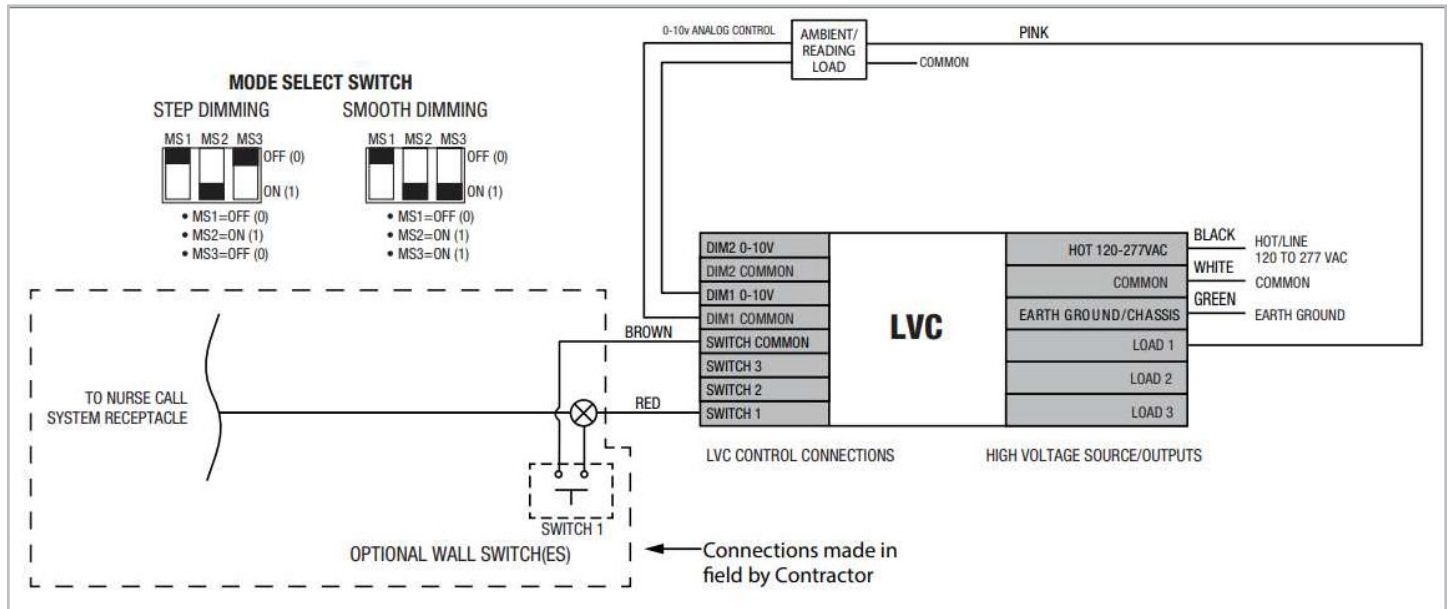


Figure 15: LVCDMS1, LVCDMS2, LVCDMS3, LVCDMS4, LVCDMS5- Independent dimming control of ambient/reading mode

For additional information on UTB, please visit our website: [currentlighting.com](http://currentlighting.com)