Please read carefully

Installation Instructions for ML-70, ML-150 and ML-250 NON IC
Rough-in Housing and A2 Collar Access panels. ©
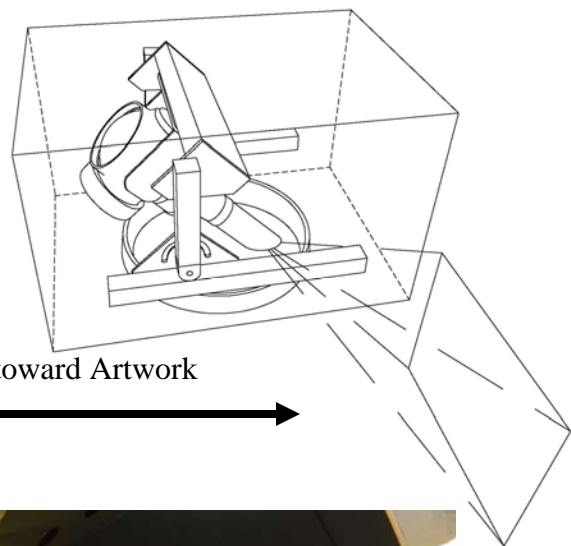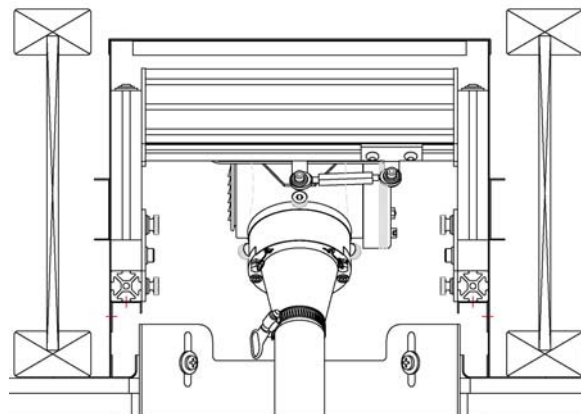
General Contractor / Dealer:
Please pass this information on to drywall contractors and painters so they can allow the extra time involved, ensuring a high quality installation of the A2 flush ceiling access panel.
This is critical and many times overlooked!!

Electrician:

E1. Install housing per lighting designer documentation; verify location and orientation with Merlin Light dealer or factory representative. Housing will fit joist layout for 16" centers.

E2. See wiring diagram on last page. Orientate the electrical junction box end of enclosure towards art work. Secure between joists with screws thru the mounting flanges on the bottom sides of the housing. Install wiring through knock-out hole on the junction box end of the housing nearest art work. Secure wire with junction box connector; connect color coded wires inside junction box. Use airtight connector if outer airtight housing is used and leave a 20" pigtail to make connection. Allow for a maximum load factor of 250 watts. Field test this circuit.

E3. Access panel should be oriented in the housing so the space between the magnets is toward the artwork

Magnets

Direction toward Artwork

E4. Loosen the screws on the A2 access panel and lower the collar to be flush with FINISH CEILING drywall or flush to whatever ceiling materials are used. Be sure to use a straight edge to level the collar to be flush and parallel to the FINISH CEILING. Tighten screws securely but not too tight to pull the ring out of round or cover may not fit.
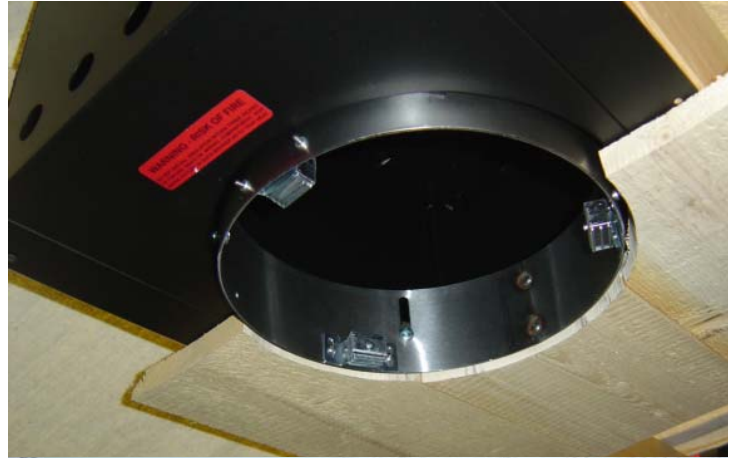
Please read carefully

Installation Instructions for ML-70, ML-150 and ML-250 NON IC
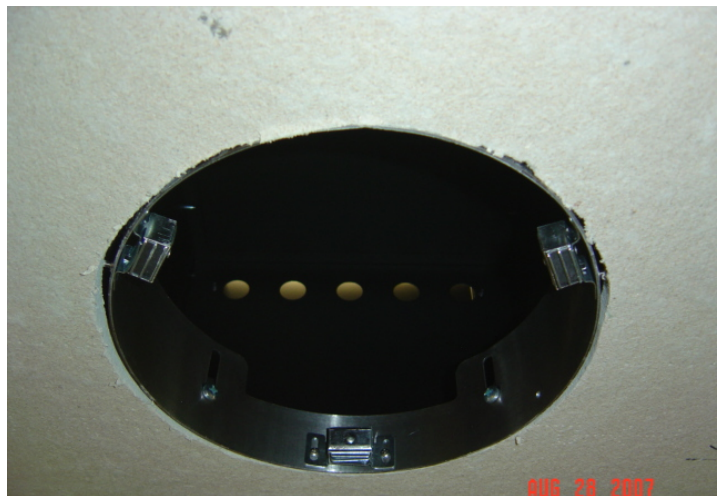### Rough-in Housing and Collar Access panels ©

Finish Ceiling:

D1. Contractor to bring ceiling finish material to within 1/4 of an inch of the collar. **Caution:** Over-size cutting will not allow the Cover Plate to hide the crack. Make sure the Access Panel Collar is flush with the finish ceiling; if not follow instructions in **E4**.

D2. The Access Panel Collar works equally as well with Ceiling Tile, or Sheet Rock.

D3. Clean up the magnets and check for proper seating so the cover plate can be held in securely and flush. When finished attach safety cable with screws provided on the ring and panel. **SAFETY CABLE MUST BE IN PLACE AT ALL TIMES TO PREVENT POSSIBLE SERIOUS INJURIES OR PROPERTY DAMAGE DUE TO FALLING COVER PLATE!**

Merlin Light
SEE THE MAGIC
PRECISION OPTICAL PROJECTOR LIGHTING FOR FINE ART

GLENNCO, INC
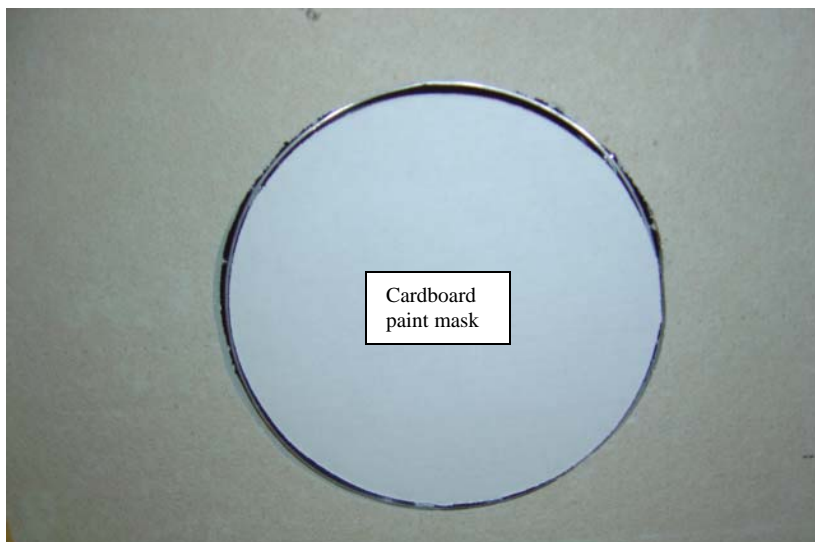PROJECTOR LIGHTING, TECH SUPPORT & INSTALLATION
A GLENN JOHNSON COMPANY

Please read carefully

Installation Instructions for ML-70, ML-150 and ML-250 NON IC
Rough-in Housing and Collar Access panels ©

Painter:

P1. Mask off hole in Access Panel so paint does not enter housing. The ceiling can now be painted. Use cardboard Paint Mask blank provided inside housing. Remove paint mask while paint is still damp.

P2. It is best to paint the cover plate separately and then re-install it when the paint is dry. If painted in place, paint fills the groove and the cover plate can not be removed without damage to finished ceiling. When you remove the Cover Plate and Safety Cable store them in a safe place so they will not be bent or damaged.

Cardboard paint mask

Insulation:

I1. The H1 inner housing is not Airtight and is **not** rated for Insulation Contact (IC). For Airtight rating H1 Housing must be enclosed in sheetrock per IECC Code or installed inside HOA or HOJ Housing.

Dealer:

D1. When the interior is finished and all art work is in place, a factory trained technician will install the "Merlin Light" projectors, complete with final adjustment and confinement . This completes the installation.
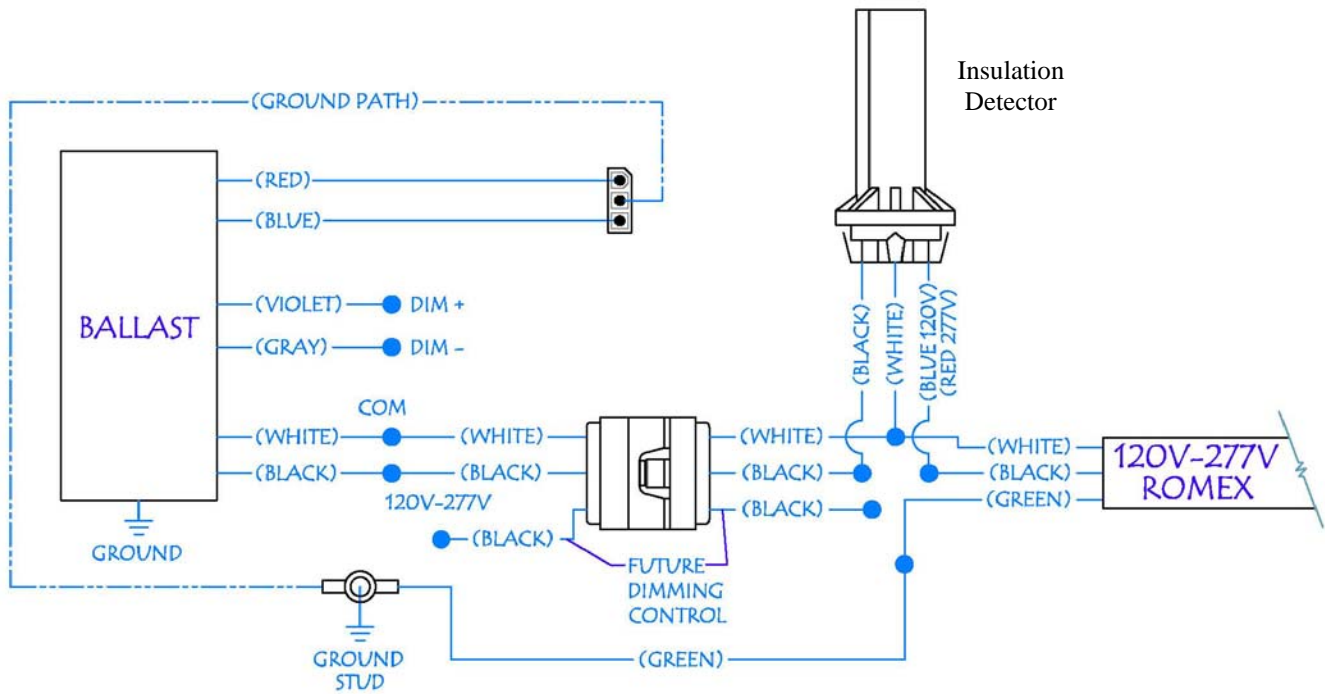
4525 S. Wasatch Blvd., Suite 310
Salt Lake City, UT. 84124
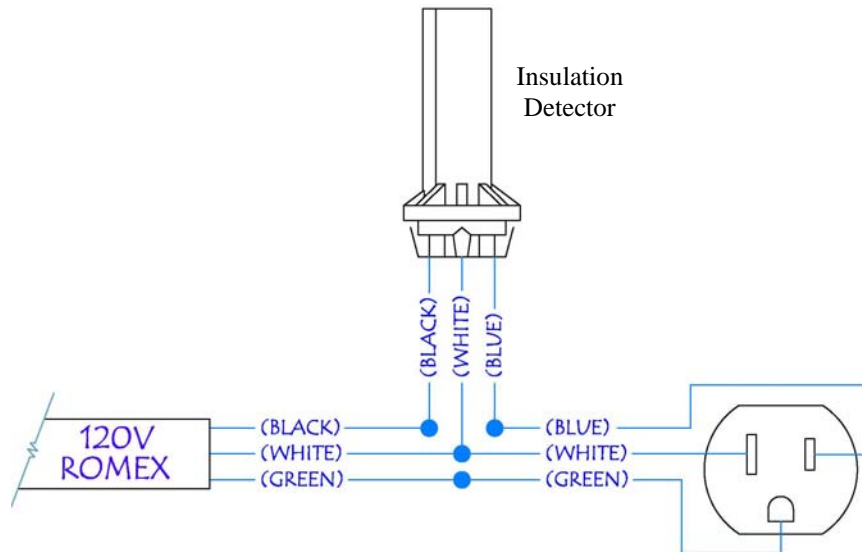801-274-1894 Fax 801-274-9610
Glenncoinc.com

GlennCo, INC
PROJECTOR LIGHTING, TECH SUPPORT & INSTALLATION
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Wiring for 70W and 150W CMH
Dimming Ballast
0-10V wire and control module required
but not supplied for dimming.

Insulation
Detector

(GROUND PATH)

(RED)

(BLUE)

BALLAST

(VIOLET) — DIM +

(GRAY) — DIM −

COM

(WHITE) — (WHITE)

(BLACK) — (BLACK)

120V-277V

GROUND

(BLACK)

(BLACK)

FUTURE
DIMMING
CONTROL

(BLACK)

(WHITE)

(BLUE 120V)
(RED 277V)

(WHITE)

(BLACK)

(GREEN)

(WHITE)

(BLACK)

120V-277V
ROMEX

GROUND
STUD

(GREEN)

Wiring for 250W Halogen

Insulation
Detector

(BLACK)

(WHITE)

(BLUE)

120V
ROMEX

(BLACK)

(WHITE)

(GREEN)

(BLUE)

(WHITE)

(GREEN)