

# Please read carefully

## Installation Instructions to install Merlin Light Housing and Access Panel during remodel

### 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 A1 flush ceiling access panel. This is critical and many times overlooked!!

### Contractor:

Cut out sheet rock to expose joists.  
Secure power into the joist bay that the housing will be installed in.

#### Install housing with electrical connection toward art work.

Secure housing between joists with screws thru the mounting flanges attached to the bottom sides of the housing. Install wiring thru knock out of housing or junction box.



Reinstall the sheetrock that was removed by applying a small bead of latex caulk to edge of Access Panel. Orient sheetrock to align in the hole and press against the Access Panel rim. Cut out hole for Access Panel by following caulk mark on back of sheetrock to within 3/8 of an inch of the ring and bevel edge. Fasten sheetrock into place. Make sure the Access Panel Ring is flush with the sheet rock. If needed loosen the screws on the A1 access panel and lower the mud ring to be flush with FINISH CEILING drywall. Be sure to use a straight edge to level the ring to be flush and parallel to the FINISH CEILING. Tighten screws securely but not so tight as to pull the ring out of round or cover may not fit.



652 W. Confluence Ave.  
Murray, UT. 84123  
385-743-3333 fax 385-743-3334  
www.merlinlights.com



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The remaining crack should be filled to 1/16 below the surface with a gypsum plaster patching compound. This will provide a permanent bond between the edge of our access panel ring and the edge of the adjoining drywall. **DO NOT USE Sheetrock Compound** as it will crack away in time. **Do not use drywall tape** over this joint as it will not stick to the aluminum ring. It also causes too much build up, which would prevent the cover plate from flushing out with the ceiling. After the plaster is cured fill remaining void with sheetrock topping compound.



This area can now be sanded smooth. If properly done, you will never be aware of this joint, only the .010" seam round the cover plate which is minimal. Clean out the recessed cover groove, clean up the magnets and check for proper seating so the cover plate will 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!**



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Mask off hole in Access Panel so paint does not enter housing. The ceiling can now be painted out. It is best to paint out 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.



### Insulation:

**II.** The H1 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.



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