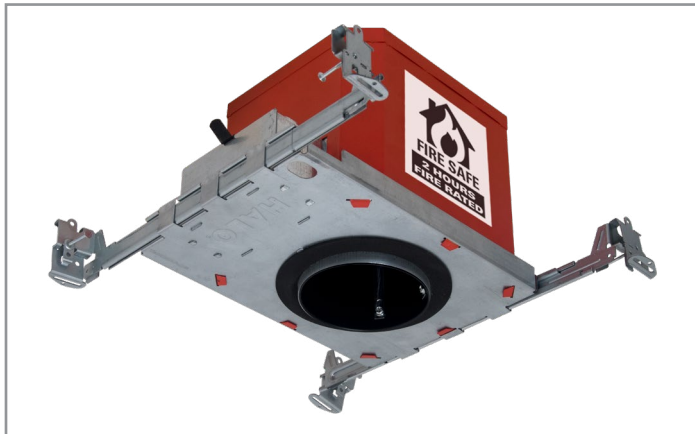| Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO

H450FR2ICATD010

4" Fire Safe Housing
2 Hours Fire Rated

Typical Applications

- For Use in Insulated Ceilings
- For Direct Contact with Insulation
- AIR-TITE Housing Restricts Airflow Between Conditioned and Unconditioned Areas

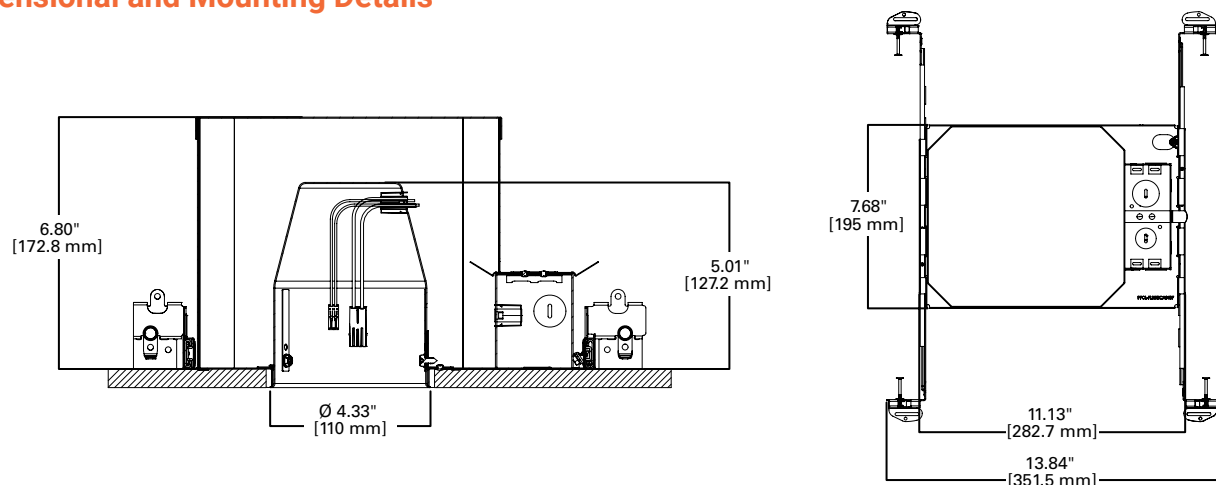**UL CERTIFIED** · **RoHS COMPLIANT** · **DIMMABLE 0-10V** · **120V 277V UNIVERSAL VOLTAGE** · **air** · **FIRE SAFE 2-HOUR FIRE RATING**

Interactive Menu

- Product Warranty

Top Product Features

- Compatible with both phase-cut dimming and 0-10V dimming LED retrofit modules
- Fire rated in accordance to UL 263 for up to 2 hours of protection from the passage of flames and toxic gases into ceiling plenums
- Suitable for use in multi-family and mixed-use applications requiring up to 2 hours of protection
- 120-277V Universal Voltage
- Compatible with phase cut and 0-10V dimmable modules
- AIR-TITE™ per ASTM E283

Dimensional and Mounting Details

6.80" [172.8 mm]

5.01" [127.2 mm]

Ø 4.33" [110 mm]

7.68" [195 mm]

11.13" [282.7 mm]

13.84" [351.5 mm]

Order Information

SAMPLE ORDER NUMBER: **H450FR2ICATD010, ML4D09FL930E010**
A complete luminaire consists of a housing, LED integrated trim or LED module and trim; order separately.

Housing	Compatible Trims
H450FR2ICATD010 = 4" fire safe new construction housing for phase-cut and 0-10V LED retrofit modules, 120-277V	BLD4, RSQ4, SMD4, SLD4, LT4, LA4, RL4, RA4 and ML4 series

Product Specifications

Housing
- Die formed galvanized steel housing with noncombustible fiber insulation
- Sound transmission class (STC) and impact insulation class (IIC) tested by a certified acoustical testing lab. STC and IIC exceeds recommendations for reducing noise including spoken word and footfalls in multifamily and mixed-use structures
- Outer housing painted red for fire safe identification
- Inner housing painted matte black for a visually dark interior
- Housing provides up to 2 hours of protection in L500, L505, L511, L536, L538, L541, L556, L577, M500, M510, M521 and M543 Floor-Ceiling construction
- Ceiling Thickness: 1/2" to 1-3/4"

Plaster Frame
- Galvanized steel plaster frame with integral bar hanger receivers

Bar Hangers
- No Flex® Bar hangers with pre-installed nail support housing at any point along span
- Captive nail penetrates standard and engineered lumber
- Adjusts up to 24" wide
- Nail-less barb and locator lip provide consistent installation height

Junction Box
- Compact galvanized steel junction box with 24 in³ internal volume
- (5) conduit knock-outs positioned to allow straight conduit runs
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) 3-port push wire nuts with clear caps for quick and reliable mains voltage connections

Connector
- Two-conductor wire mount connector is rated for 120-277V and mates with HALO LED integrated trims.

Code Compliance
- Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus 1598 listed for damp locations
- UL263 listed for up to 2 hours in L500, L505, L511, L536, L538, L541, L556, L577, M500, M510, M521 and M543 Floor-Ceiling and Roof-Ceiling Construction
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Wet location listed in covered ceilings and IP44 certified with select trims
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Contains no mercury or lead and RoHS compliant

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty