INSTALLATION INSTRUCTION

QUARTUS ATMOSPHERE / AURORA 4" - Trimmed Remodel Housing

A1RT-3661, 3662, 3663, 4661-C2; A1RT-3661, 4661-CC

AiSPiRE
A WAC COMPANY

WARNING

IMPORTANT: NEVER attempt to do any work without shutting off the electricity.

- Read all instructions before installing.
- System is intended for installation by a qualified electrician in accordance with the National Electrical Code and local regulations.
- Go to the main fuse box, or circuit breaker. Place the main power switch in the "OFF" position and unscrew the fuse(s) or switch "OFF" the circuit breaker switch(es) that control the power to the fixture or room that you are working on.
- Place the wall switch in the "OFF" position.

AVERTISSEMENT

IMPORTANT: Coupez l'électricité avant TOUTE manipulation.

- Lisez toutes les instructions avant d'installer.
- Système est destiné à être installé par un électricien qualifié en conformité avec le code national de l'électricité et les règlements locaux.
- Accédez au panneau central de disjoncteurs ou de fusibles de votre demeure et placez l'interrupteur principal en position d'arrêt (« OFF »).
- Placez l'interrupteur mural en position d'arrêt (« OFF »).

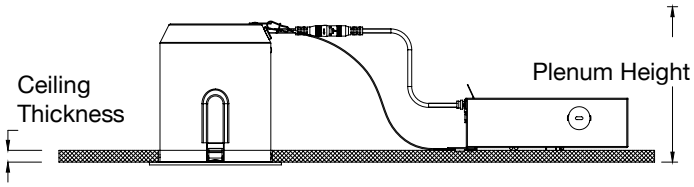
CAUTION

All parts must be used as indicated in these instructions. Do not substitute any parts, leave parts out, or use any parts that are worn out or broken. Failure to follow this instruction may invalidate the ETL/cETL listing of this fixture.

OVERVIEW:

Housing is for remodel applications. Housing requires a trim for a finished look. Refer to specification sheets for compatible trim options.

OVERALL HOUSING DIMENSION

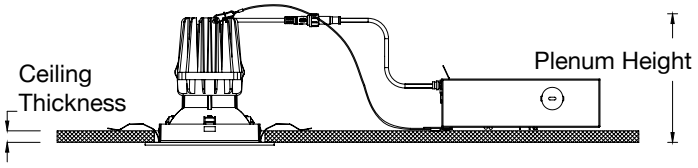


MODEL: A1RT-4661-C2, 4661-CC
Refer to trim spec sheets for housing compatibilty.

INSTALLATION REQUIREMENT

Ceiling Thickness	Minimum Required Plenum Height
1/2" to 1 1/4"	5 1/2"

SPECIFICATIONS	
Input	120-277V, 50/60Hz
Installation	IC
Dimming	DMX512-A, RDM



MODEL: A1RT-3661, 3662, 3663-C2; A1RT-3661-CC
Refer to trim spec sheets for housing compatibilty.

INSTALLATION REQUIREMENT

Ceiling Thickness	Minimum Required Plenum Height
1/2" to 1 1/4"	5"

SPECIFICATIONS	
Input	120-277V, 50/60Hz
Installation	Non-IC
Dimming	DMX512-A, RDM

aispire.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters, East Manufacturing Facility
44 Harbor Park Drive
Port Washington, NY 11050

South East Manufacturing Facility
1600 Distribution Ct
Lithia Springs, GA 30122

Central Manufacturing Facility
1700 South J Elmer Freeway, Ste 100
Cedar Hill, TX 75104

West Manufacturing Facility
1750 S Archibald Ave
Ontario, CA 91761

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program.

INSTALLATION INSTRUCTION

QUARTUS ATMOSPHERE / AURORA 4" - Trimmed Remodel Housing

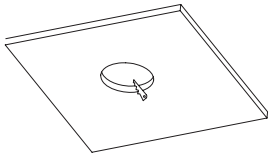
A1RT-3661, 3662, 3663, 4661-C2; A1RT-3661, 4661-CC

AiSPiRE
A WAC COMPANY

INSTALLATION ACCESSORIES

1. At the point of installation, cut a 4¾" round hole for a round or square trim (See **FIG. 1**).

FIG. 1

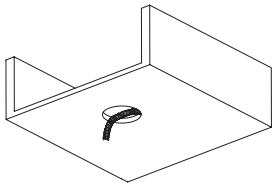


Cutout hole: 4¾" diameter

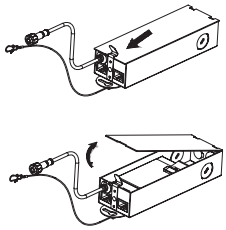
2. Pull building supply wires through ceiling cutout and open fixture junction box cover (See **FIG. 2**).

   Remove desired housing knockout and feed building wires into housing using appropriate connector.

FIG. 2

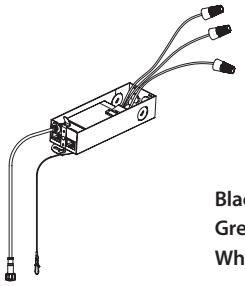


Push spring



3. Connect fixture wires to building wires (See **FIG. 3**).

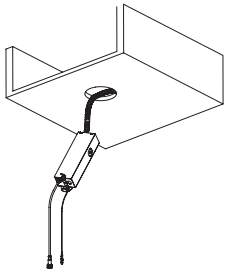
FIG. 3



Black: Hot
Green: Ground
White: Neutral

4. Place all wiring and connectors back in junction box and replace the junction box's cover (See **FIG. 4**).

FIG. 4



aispire.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters, East Manufacturing Facility
44 Harbor Park Drive
Port Washington, NY 11050

South East Manufacturing Facility
1600 Distribution Ct
Lithia Springs, GA 30122

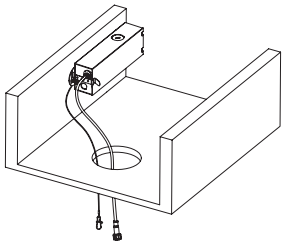
Central Manufacturing Facility
1700 South J Elmer Freeway, Ste 100
Cedar Hill, TX 75104

West Manufacturing Facility
1750 S Archibald Ave
Ontario, CA 91761

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program.

5. Guide junction box through the cut hole and secure appropriately using the external key hole (See **FIG. 5**).

FIG. 5



6. Connect safety cable and power connector and install the trim assembly into the ceiling. Refer to installation instructions for appropriate trims to complete the installation.
A1RT-3661, 3662, 3663-C2; A1RT-3661-CC (See **FIG. 6**)
A1RT-4661-C2, A1RT-4661-CC (See **FIG. 7** & **FIG. 8**)

FIG. 6

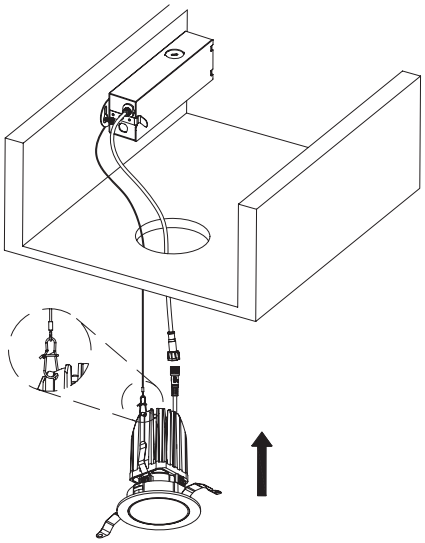


FIG. 7

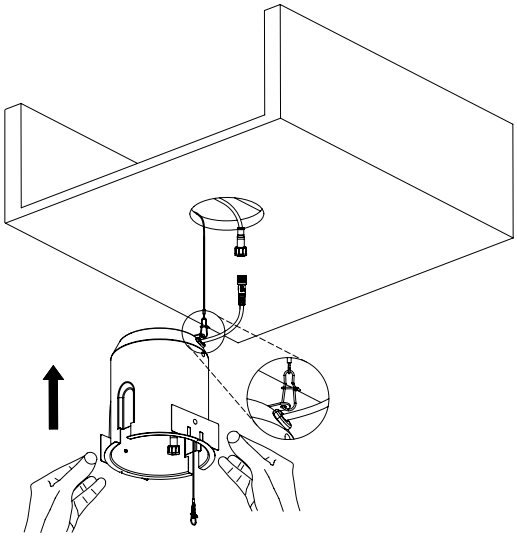
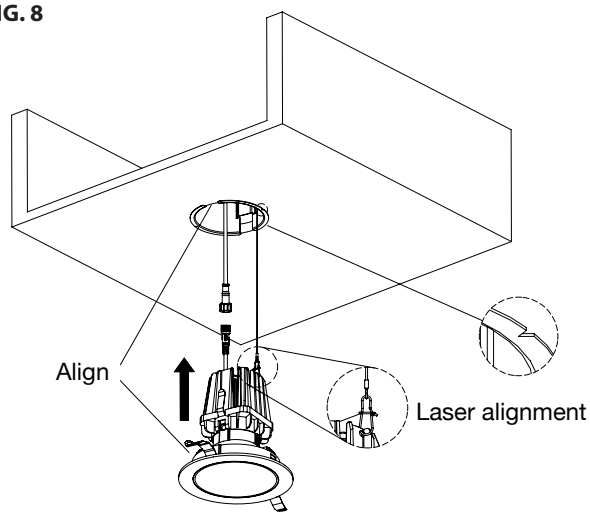


FIG. 8



aispire.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters, East Manufacturing Facility
44 Harbor Park Drive
Port Washington, NY 11050

South East Manufacturing Facility
1600 Distribution Ct
Lithia Springs, GA 30122

Central Manufacturing Facility
1700 South J Elmer Freeway, Ste 100
Cedar Hill, TX 75104

West Manufacturing Facility
1750 S Archibald Ave
Ontario, CA 91761

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program.

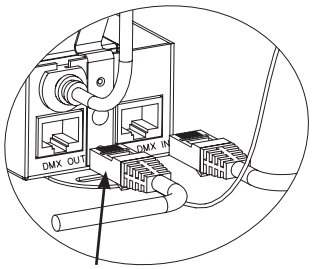
RJ45 DMX-512A CONNECTIONS & REQUIREMENTS

This housing features RJ45 DMX-512A ports. WAC recommends UTP CAT5 or higher cable (by others) (See **FIG. 9**).

RJ45 Pins	DMX Function
Pin 1	DMX +
Pin 2	DMX -
Pin 7	GND/Shield
All Other Pins	N/C (NO CONTROL)

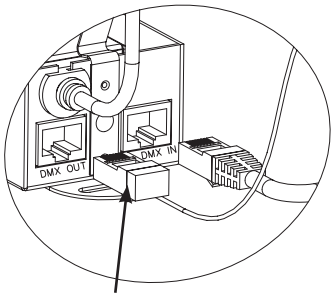
1. Based on DMX best practice, WAC requires daisy chain DMX wiring between devices for DMX runs.
2. "TREE" or "STAR" wiring topology may result in unprescribed performance and is NOT recommended.
3. Recommended maximum of 1000ft of cabling from controller to last fixture. After 32 unit loads a repeater/booster is recommended.
4. To minimize data reflections of the DMX signal, cable termination is required. If using UTP CAT5cable, a 120Ω RJ45 termination plug is to be installed the open DMX port of the last housing in the DMX network (See **FIG.10**).

FIG. 9



UTP CAT5 or higher cable (by others)

FIG. 10



120Ω RJ45 termination plug

aispire.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters, East Manufacturing Facility
44 Harbor Park Drive
Port Washington, NY 11050

South East Manufacturing Facility
1600 Distribution Ct
Lithia Springs, GA 30122

Central Manufacturing Facility
1700 South J Elmer Freeway, Ste 100
Cedar Hill, TX 75104

West Manufacturing Facility
1750 S Archibald Ave
Ontario, CA 91761

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program.