

HAFD, HAFS, MFD & MFS SERIES **IMPORTANT SAFEGUARDS**

When using electrical equipment, basic safety precautions should always be followed, including the following:

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

SAVE THESE INSTRUCTIONS

BURN HAZARD

High wattage fixtures are equipped with TRIMS that may reach temperatures exceeding 60°C (140°F). DIRECT CONTACT WITH THESE TRIMS CAN RESULT IN BURNS. Ensure that the fixture has had time to adequately cool before servicing. Exercise caution when installing these fixtures in locations where they may be within reach of the public.

The following chart provides a list of fixtures and their respective wattages with TRIMS that may exceed 60°C (140°F).

Model	HAFD14, HAFS14, MFD14, MFS14	HAFD18, HAFS18, MFD18, MFS18
Wattage:	30L	58L
	38L	33L/24L
	38T	33L/18R
	16L/16L	33L/18NA
	16L/16RGB	33L/24L/18R
	22L/16L	33L/24L/18NA
	22L/12R	
	22L/12NA	
	22L/16RGB	

The TRIM section on all Flair fixtures is an integral part of the thermal path for the LEDs. As such, any TRIM section may become warm to the touch.

It is recommended that a Best Practice be implemented that includes directions to allow ANY fixture to cool before servicing.

- Fixtures are suitable for wall or ceiling installation. Fixtures without Surface Adapter are to be mounted over a recessed junction box. Fixtures with Surface Adapter can utilize either surface conduit or recessed junction box.
- Fixture must be mounted to building with at least 4 fasteners; attachment to the electrical box only will not ensure proper fixture performance.
- Prepare mounting surface by locating and drilling pilot holes and installing junction boxes (if applicable). See Figure 1.



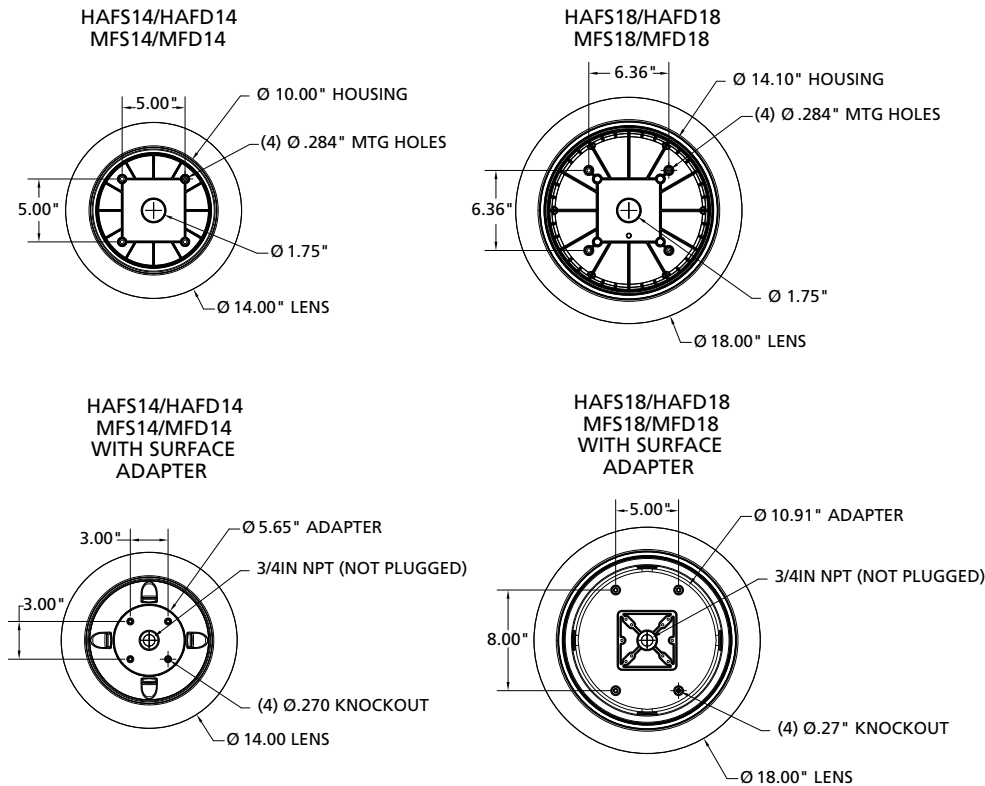


Figure 1

- Ensure that power to the circuit has been disconnected before installing and wiring fixture.

OPTION A: FIXTURES WITHOUT SURFACE ADAPTER

- Using a T20 Torx® tamper-resistant or Phillips driver bit (depending on model/option ordered), loosen - but do not remove - fasteners (3) securing the trim section to housing section and lift off trim section. Store the trim section in a location free of debris and safe from accidental damage. Handle the perimeter lightguide lens carefully as it is essential for proper fixture operation/aesthetics. See Figure 2.

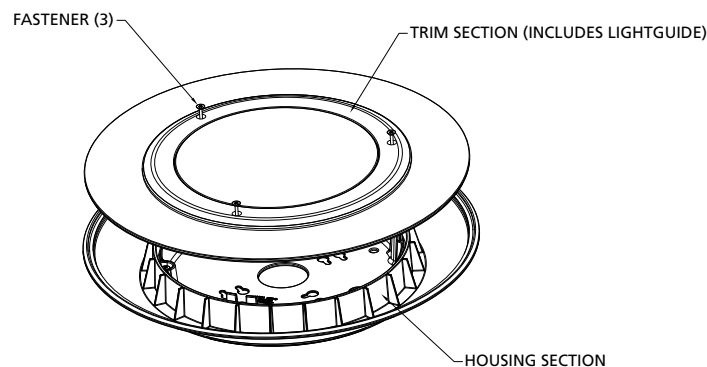


Figure 2

- Prepare fixture for mounting by removing backing from supplied pad gasket and applying to back of housing section.
- Using 1/4-20 fasteners and anchors appropriate for the mounting surface (not supplied), mount fixture housing section to building. For wall mount applications, the housing section must be installed so that label "A" installed on inside of housing is at the "12 o'clock" position (top).



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OPTION B: FIXTURES WITH SURFACE ADAPTER

- If Surface Adapter and fixture were supplied together, lift fixture from adapter and place fixture in a secure location where it will be safe from accidental damage and debris.
- Adapter will require mounting holes opened in casting. From back of casting, locate 4-point Mounting locations (smaller donut shaped raised bosses). Punch through the thin wall of the casting using 1/4" punch and hammer.
- Prepare adapter for mounting by removing backing from supplied pad gasket and applying to back of adapter.
- Using 1/4-20 fasteners and anchors appropriate for the mounting surface (not supplied), mount adapter to building. For wall-mount fixtures, note the label "This Side Up" for proper orientation.
- If surface conduit is to be used, attach to adapter; use wet-rated conduit fittings appropriate to the conduit type being used and seal threads using approved methods. If supply wiring will pass through the back threaded opening into a junction box, install a bushing to prevent abrasion to wires.
- If button photocell is to be used; install now using supplemental instructions supplied with that option.
- For 18" fixtures, inspect cord gasket in gasket grove of Surface Adapter. Reinstall if needed – the use of clear silicone is recommended to keep the gasket in place while the fixture is being attached.
- Retrieve fixture. For 14" fixture -- install cord gasket (supplied) in gasket grove on bottom of fixture. The use of clear silicone at the joint is recommended to insure a continuous seal.
- Using a T20 Torx® tamper-resistant or Phillips drive (depending on model/option ordered) bit, loosen - but do not remove - fasteners (3) securing the trim section to housing section and lift off trim section. Store the trim section in a location free of debris and safe from accidental damage. Handle the perimeter lightguide lens carefully as it is essential for proper fixture operation/aesthetics. See Figure 2.

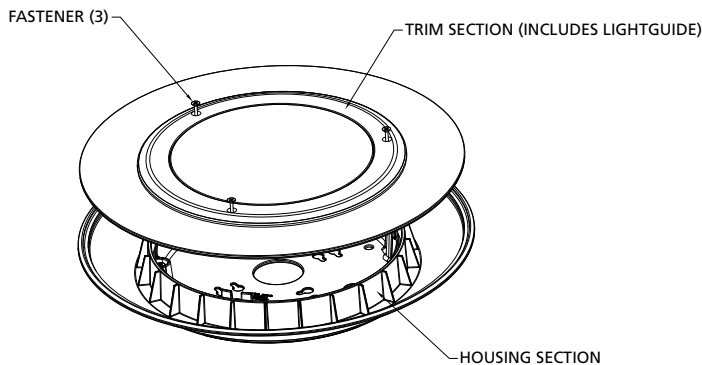


Figure 2

- Attach fixture housing section to Surface Adapter using four (4) 10-32 fasteners supplied. For wall mount applications, the housing section must be installed so that label "A" installed on inside of housing is at the "12 o'clock" position (top).

ALL FIXTURES

- To secure the trim section during wiring, it is recommended to attach the trim section to the housing section using the lanyard provided with the housing section and the lanyard bracket on the trim section. See Figure 3.

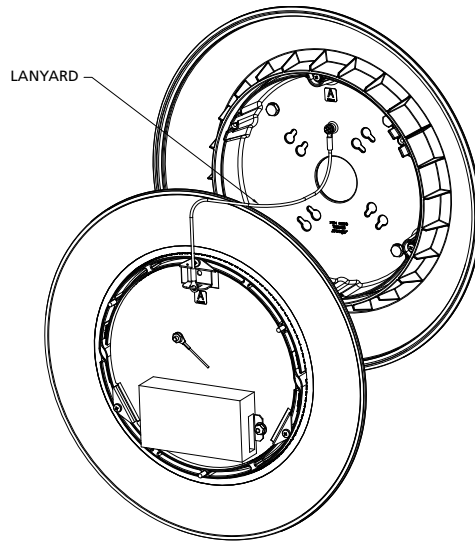


Figure 3

- Connect fixture leads to power supply leads using connectors suitable for the gauge and number of wires being used (not included). Use the appropriate temperature rated wire for the installation.
 - » Black fixture lead connects to the supply conductor, white fixture lead connects to the neutral supply conductor, and the grounding wire(s) must be connected to a suitable earth ground.
 - » As applicable and if required, purple and pink fixture leads connect to suitable 0-10V dimmer (DIM1) or purple and purple/white leads connect to suitable DALI system (DALI). Use Class 1 wiring, rated 600VAC, for connections to 0-10V dimming leads.
 - » For DMX systems, a 3-position terminal block is provided for connection to DMX+, DMX-, and DMX shield. A shielded CAT5 cable is used between driver(s) and terminal block.

All connections are to be made in the junction box, not the fixture.

- Clean any debris or fingerprints from the perimeter optical components before installation using a soft, lint-free cloth and mild, residue-free solvent safe for plastics. Install the trim section to the housing section. For wall mount applications, ensure the trim section is installed with label "A" (on inside of trim) at the "12 o'clock" position (top).
- Ensure that the trim section optical section is seated flush to housing section. Tighten fasteners to complete installation.

CUSTOMER SERVICE

For technical assistance, call 1-800-4KENALL (1-800-453-6255).

WARRANTY

For warranty information visit www.kenall.com/Resources/Certified-Performance-Warranties



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