HASS AND HASD 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

The TRIM section on all Saturn fixtures is an integral part of the thermal path for the LEDs. As such, the TRIM section may become warm (up to 53°C/128°F on higher wattage fixtures).

It is recommended that a Best Practice be implemented by the facility that includes directions to allow fixtures to cool before cleaning or 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.
- Using the enclosed mounting hole template (fixtures without Surface Adapter), prepare the mounting surface by identifying the applicable (4) mounting holes and marking the surface. Drill pilot holes using the appropriately sized drill bit and suitable for the surface. NOTE: Fixture must be mounted directly to the surface and not directly attached to the junction box. For all applications, use a mounting method appropriate for the relevant construction materials. Four-point mounting is required for the Peace of Mind Guarantee™, preferably direct to structural elements. For drywall with studs, it is recommended to use lag screws (with appropriate washers) at least 1/4" in diameter x 2.5-3" in length. For drywall without studs (not preferable), use metal toggle bolts individually rated to 75lbs min. loading. For concrete or masonry, use sleeve anchors or 1/4" Tapcon screws each rated for 75lbs min. loading. See Figure 1 for reference.

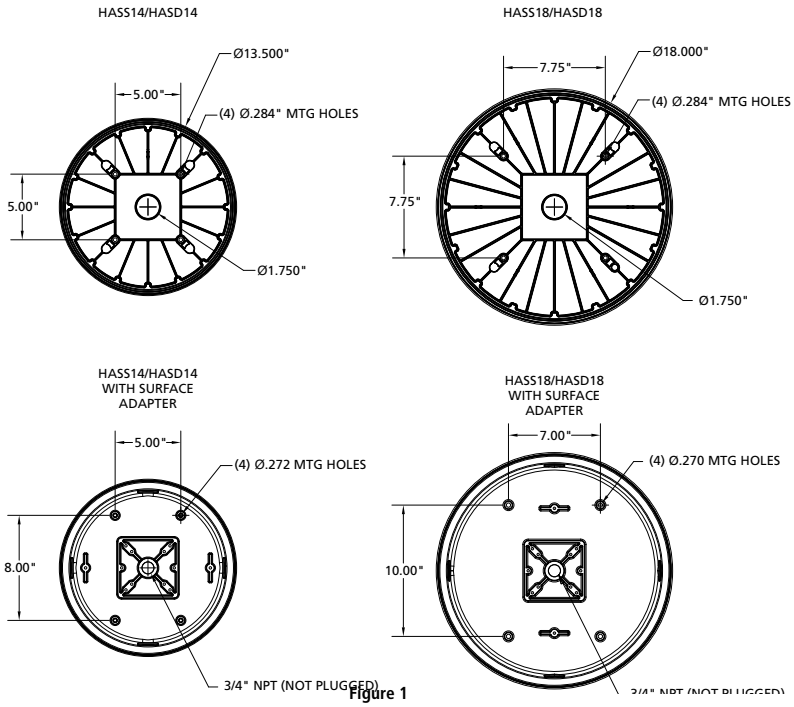


Figure 1

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

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OPTION A: FIXTURES WITHOUT SURFACE ADAPTER

- Use a T20 Torx tamper-resistant bit to loosen the 3 concealed fasteners securing the trim section. See Figure 2.

  DO NOT REMOVE THE LANYARD FROM THE HOUSING SECTION. If the lanyard is connected to the trim, disconnect it ONLY from the Trim. See Figure 3. Set the trim aside in a safe place.

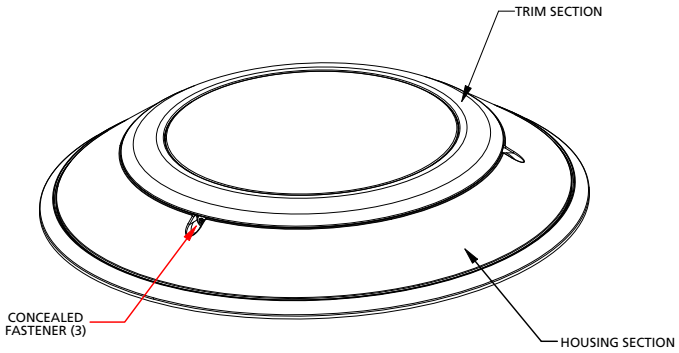


Figure 2

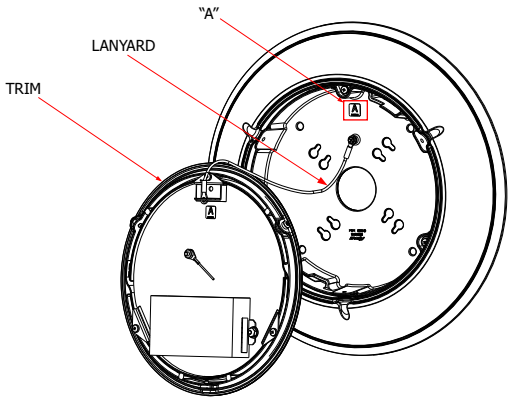


Figure 3

- Prepare fixture for mounting by removing backing from supplied pad gasket and applying to back of housing section.
- MOUNTING THE FIXTURE – Mount the fixture to the pre-drilled holes by aligning the 4 mounting holes in the housing. For wall mount applications, it is important that the letter "A" that is marked inside the housing is at the 12 o'clock position. See Figure 3.
- Use appropriate hardware and anchors (refer to above) to mount the fixture housing to the structure and tighten securely.
- Now secure the trim to the housing using the lanyard, don't fully install the trim yet.

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.
- 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. Use a T20 Torx tamper-resistant bit to loosen the 3 concealed fasteners securing the trim section. See Figure 2. **DO NOT REMOVE THE LANYARD FROM THE HOUSING SECTION.** If the lanyard is connected to the trim, disconnect it ONLY from the Trim. See Figure 3. Set the trim aside in a safe place.
- 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).

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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.

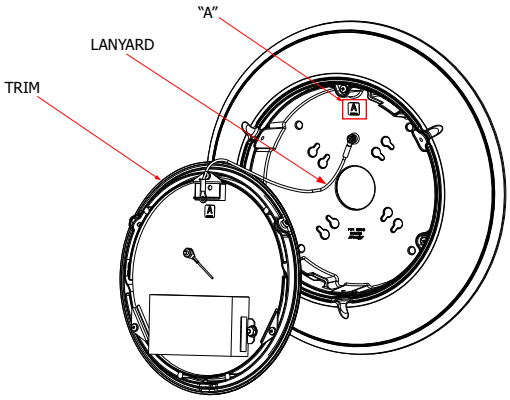


Figure 3

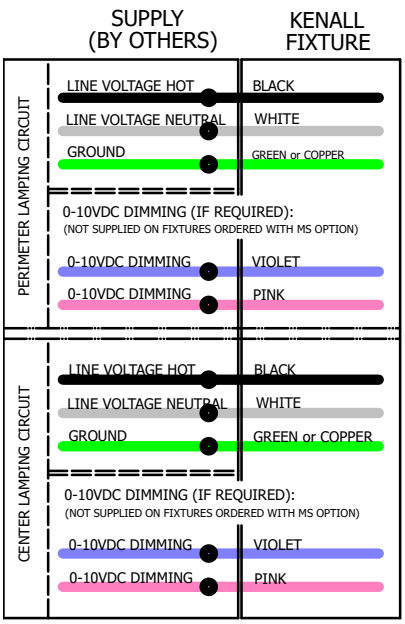
- Connect fixture leads to power supply leads using connectors suitable for the gauge and number of wires being used (not included). Use the appropriate temperature rated wire for the installation.
  - » Black fixture lead connects to the supply conductor, white fixture lead connects to the neutral supply conductor, and the grounding wire(s) must be connected to a suitable earth ground.
  - » As applicable, connect purple and pink fixture leads to the suitable 0-10V dimmer (DIM1) or connect purple and purple/white leads to suitable DALI system (DALI). Use class 1 wiring; for 347V applications use wiring rated for 600VAC.
  - » 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.
- Attach the quick-disconnect of the perimeter lamping (housing section) to the connector from the driver (trim section).
- Install the trim section to the housing section, making sure that the letter "A" is at the 12 o'clock position and the screw holes on the trim are lined up with the holes on the housing. The trim should be flush and sealed to the housing section lens of the entire perimeter.
- **CAUTION: ENSURE THAT NO WIRES ARE CAUGHT BEHIND THE DRIVER, AS THIS COULD PREVENT THE TRIM FROM SEATING FLUSH WITH THE HOUSING.**
- Using a T20 Torx tamper-resistant bit, tighten the 3 fasteners securing the trim section to the housing.

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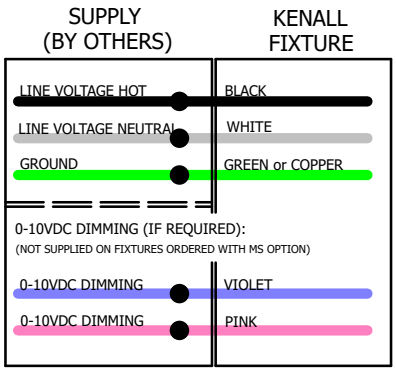
BASIC FIXTURE WIRING DIAGRAM

HASD (Dual Circuit)



OPTIONAL: DALI SYSTEMS ARE SUPPLIED WITH VIOLET AND VIOLET/WHITE CONTROL WIRING

HASS (Single/Synchronous Circuit)



OPTIONAL: DALI SYSTEMS ARE SUPPLIED WITH VIOLET AND VIOLET/WHITE CONTROL WIRING

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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