

Installation Guide

1

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a **qualified licensed electrician**.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.



WARNING RISK OF ELECTRIC

- ✓ Disconnect or turn off power before installation or servicing.
- ✓ Verify that supply voltage is correct by comparing it with the luminaire label information.
- ✓ Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
- ✓ All wiring connections should be capped with UL approved recognized wire connectors.



WARNING RISK OF BURN

- ✓ Allow lamp/fixture to cool before handling. Do not touch enclosure or light source.
- ✓ Do not exceed maximum wattage marked on luminaire label.
- ✓ Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/ methods, replacement and recycling.



CAUTION

- ✓ Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- ✓ Avoid direct eye exposure to the light source while it is on.



CAUTION

- ✓ Keep combustible and other materials that can burn, away from lamp/lens.
- ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.

NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE.

Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

HLF207/209/211 | 07/27/20 | REV 1

©2020 Acuity Brands Lighting Inc. | One Lithonia Way, Conyers GA. 30012
Phone: 800-705-SERV (7378) | www.hydrel.com



Installation Guide

2



CAUTION: RISK OF PRODUCT

- ✓ Never connect components under load.
- ✓ Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- ✓ Unless individual product specifications deem otherwise: Never connect an LED product directly to a dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- ✓ Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- ✓ Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- ✓ Only use fixture in its intended location.
- ✓ LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- ✓ Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- ✓ Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- ✓ Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- ✓ Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.

Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

Indoor/Outdoor

Lithonia Lighting
Carandini
Holophane
RELOC

Indoor Lighting

Gotham
Mark Architectural Lighting
Peerless
Renaissance Lighting
Winona Lighting

Outdoor Lighting

American Electric Lighting
Antique Street Lamps
Hydrel
Tersen

Controls

Dark to Light
Lighting Control & Design
ROAM
Sensor Switch
Synergy

Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203

©2020 Acuity Brands Lighting, Inc. All rights reserved. 07/27/20

NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE.

Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

HLF207/209/211| 07/27/20 | REV 1

©2020 Acuity Brands Lighting Inc. | One Lithonia Way, Conyers GA. 30012
Phone: 800-705-SERV (7378) | www.hydrel.com



HLF 207/209/211 - FIXED / ADJUSTABLE MOUNT

3

INSTALLATION INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE INSTALLATION!

WET LOCATION - REQUIRES 24VAC TO OPERATE.

DO NOT CONNECT TO LINE VOLTAGE!

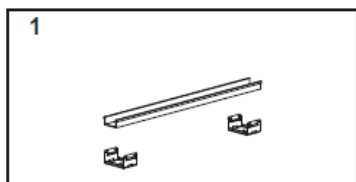
This luminaire must be installed and wired by a qualified electrician to NEC and Local Codes. See power requirements on the rating label.

The **HYLINE HLF** series are low voltage LED luminaires that are dimmable with normal low voltage dimming equipment. As such, they are susceptible to reduced light output because of voltage drop over long wire runs.

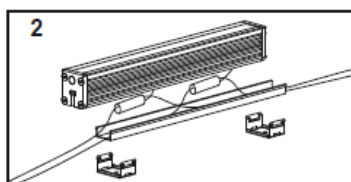
HYLINE HLF can be mounted end-to-end with no shadows between units. The extruded aluminum body of the **HYLINE HLF-fixed** uses two stainless mounting clips (per luminaire) to allow for ease of installation. The luminaire simply snaps into the mount clips where it is held securely in place. The extruded aluminum body of the **HYLINE HLF-adjustable** has two die-cast mount caps (one on each end) that are installed to the mount bases. This allows for over 200 degrees of rotation.

The integral wireway snaps onto the housing bottom containing the wires and keeping them organized and hidden. An optional conduit connection hub can be specified at the end of a run to enable connection to conduit.

FIXED MOUNT

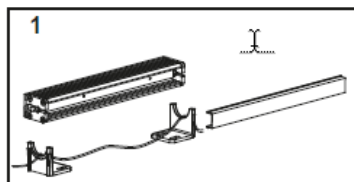


1. Locate end feed box, layout, and fasten the mount clips to mounting surface.

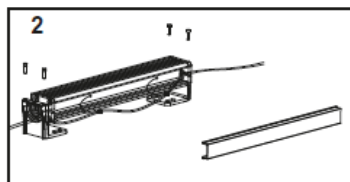


2. Trim luminaire feed wires as required but **DO NOT REMOVE FUSE!**
3. Connect luminaire wires to power feed wires with supplied connectors (as shown in connector detail below).
4. Bundle wires and secure inside bottom of housing with supplied wire clips.
5. Snap wire tray into housing bottom.

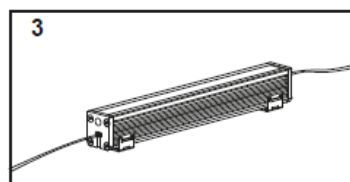
ADJUSTABLE MOUNT



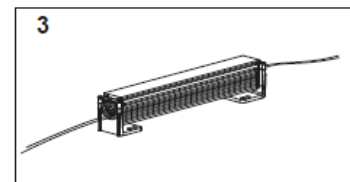
1. Locate endfeed box, layout and mark the mount locations.
2. Remove 2 screws holding mount caps to mount bases and secure mounts to mounting surface with appropriate fasteners.
3. Lay feed wires over mounts from connection box through end of run.



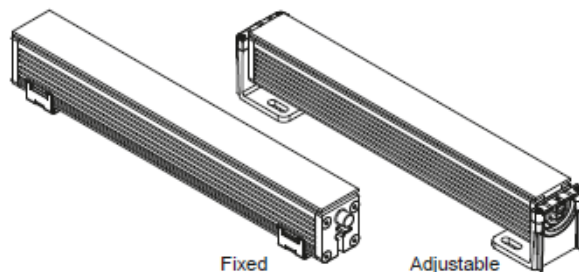
4. Trim luminaire feed wires as required but **DO NOT REMOVE FUSE!**
5. Connect luminaire wires to power feed wires with supplied connectors (as shown in connector detail below).
6. Bundle wires and secure inside bottom of housing with supplied wire clips.
7. Snap wire tray into housing bottom.



6. Snap fixture into the fixed mounts to secure.



8. Align boss on luminaire endcap into hole on mount cap
9. Install mount caps to mount base
10. Aim as required and lock in place with set screw at top of mount cap.



Optional Conduit Connection Hub



Recessed Bottom Feed (RB) -
Only one required per run.
Use standard switch box (by others)

Note:

Hyline 207 / 209 / 211 luminaires are UL listed for wet location. They must not be installed in any location where there is a chance of the fixture being submersed in water.



HLF 207/209/211 - FIXED / ADJUSTABLE MOUNT

4

INSTALLATION INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE INSTALLATION!

WET LOCATION - REQUIRES 24VAC TO OPERATE.

DO NOT CONNECT TO LINE VOLTAGE!

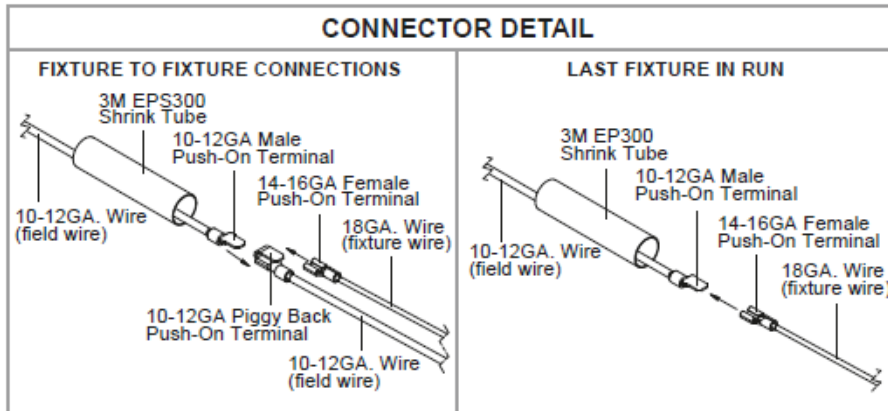
This luminaire must be installed and wired by a qualified electrician to NEC and Local Codes. See power requirements on the rating label.

REMOTE MOUNTING CONSIDERATIONS

The HYLINE 200 Series is powered from remote-mounted transformers. The maximum remote distance of the transformer is dependent on many factors including total LED load, wire size, distance from the transformer to the first fixture in each run, and starting voltage at the transformer. The installer is to ensure that 24VAC is present at the beginning of the run. By using a combination of large-gauge wire and adjusting the output voltage of the transformer, the installer can compensate for voltage drop over long remote distances. The wiring from the start of the run to the last fixture on the run need only be 12 AWG.

MAINTENANCE AND CLEANING

No regular maintenance is required. The LED module and driver are non-serviceable components with a 50,000 hour operating life to 70% initial output. At 100,000 hours, light output will be approximately 50% of initial. Clean the fixture with a soft cloth moistened with mild soap and water.



NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE.

Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

HLF207/209/211| 07/27/20 | REV 1

©2020 Acuity Brands Lighting Inc. | One Lithonia Way, Conyers GA. 3001201

Phone: 800-705-SERV (7378) | www.hydrel.com

