

HP2 SERIES™

20 - 150 Watt Metal Halide Ballast

Integral Ballast Installation Instructions



Warning



High Voltage



Hot Surface

NEEDED
FOR
INSTALLATION:



1/8" Allen Wrench



Waterproof Wire Connectors (Provided)



Level

By Others



Phillips Screwdriver

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

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Do not touch hot lens, guard, or enclosure (see diagram/
picture).

Keep lamp away from materials that may burn.
Do not touch the lamp at any time. Use a soft cloth. Oil
from skin may damage lamp.

Do not operate the luminaire fitting with a missing or
damaged shield.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

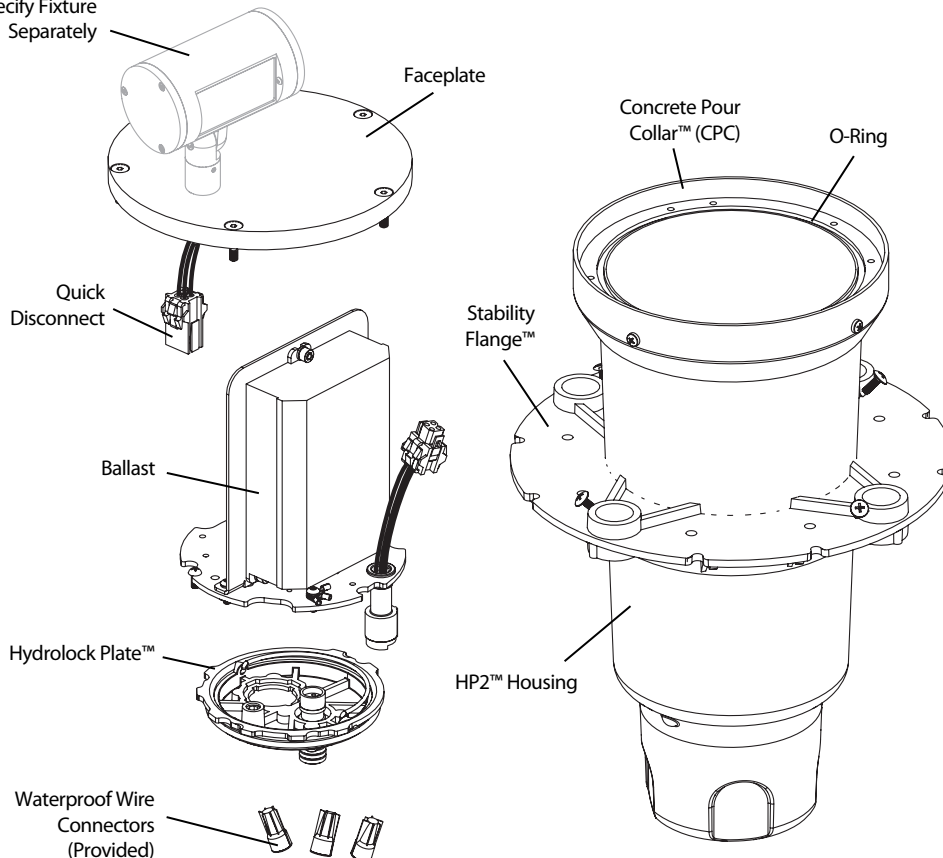
- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel must perform all servicing or relamping of this product.
- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
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- Replace lamp only with correct wattage and type of lamp marked on fixture label.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

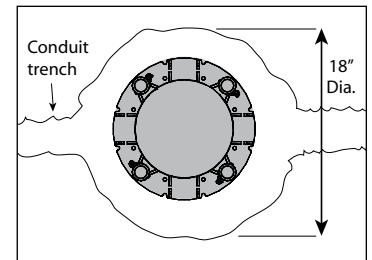
- Suitable for wet locations

Proper soil preparation is recommended before installation. See the DIG-IT guide at www.bklighting.com/dig-it for more information.

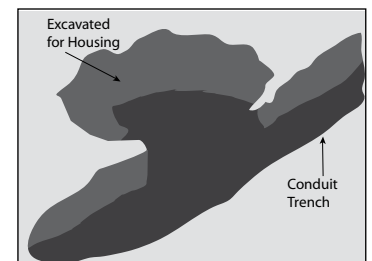
Specify Fixture
Separately



Soil Prep



- Determine Soil Type by referencing DIG-IT Guide.
- Dig hole 18" wide and 20" deep.



- Prep soil according to DIG-IT Guide.

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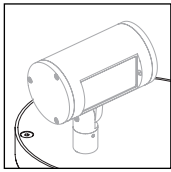
B-K LIGHTING

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REFERENCE NUMBER
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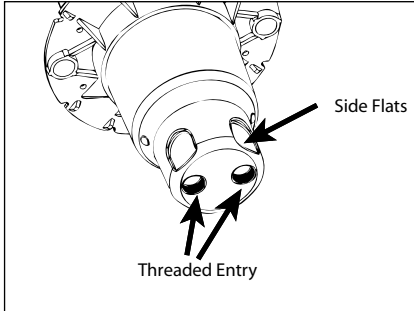
20 - 150 Watt Metal Halide Ballast

Integral Ballast Installation Instructions

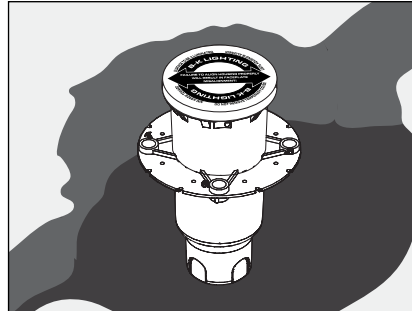
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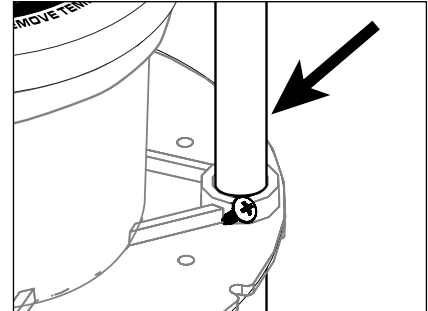
Housing Installation



1. Connect branch conduit connectors (By Others) to the junction box using either the threaded conduit entries on the bottom of the junction box or through holes drilled into the sides of the junction box.

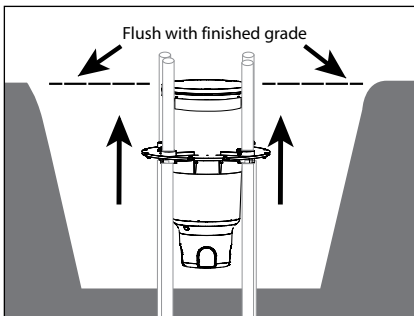


2. Place housing in hole. Align junction box in the path of the conduit trench.

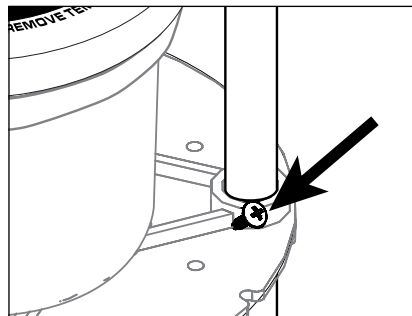


3. Insert (4) pieces of 1/2" EMT conduit through the Stability Flange™. Hammer into substrate until secure.

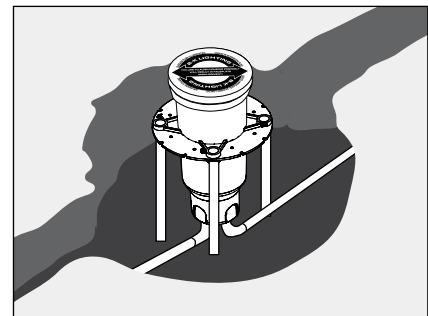
⚠ Leave sufficient clearance to elevate housing to finished grade.



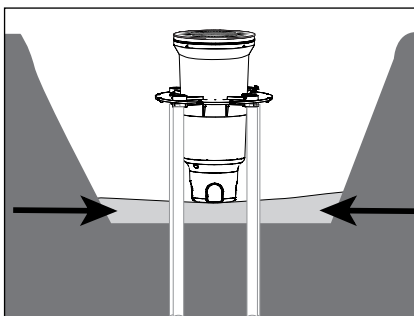
4. Raise housing on EMT to concrete pour collar (CPC). Use a level to aid in leveling housing.



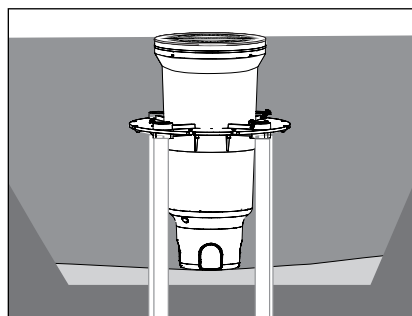
5. When housing is level, tighten screws on Stability Flange™ to secure housing to EMT. Remove excess EMT as needed.



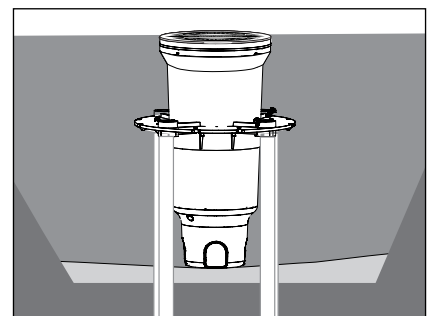
6. Connect the conduit to the conduit connectors.
7. Pull branch circuit and secondary wiring into junction box.



8. Per DIG-IT Guide, backfill the gap between the bottom of housing and bottom of hole with sand for drainage.



9. **For soil installation:** Fill and tamp soil to the appropriate height leaving room for sod, pavers, etc. to be level with the top of the temporary cover.



10. **For concrete installation:** Fill the hole around the fixture housing to 12" below the finished grade with clean fill dirt and tamp carefully to prevent settling of fixture. Pour concrete and finish as required flush with the top surface of the temporary cover.

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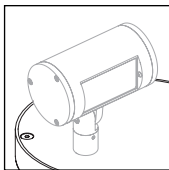


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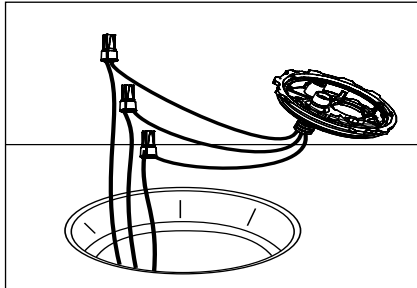
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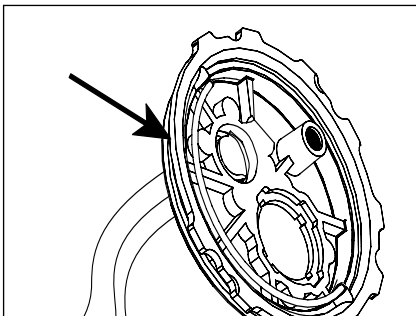
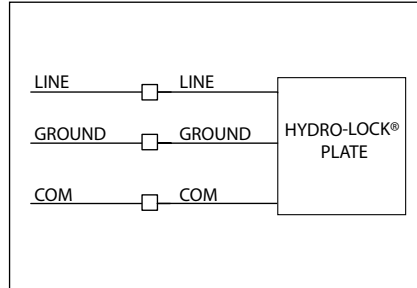
Installation



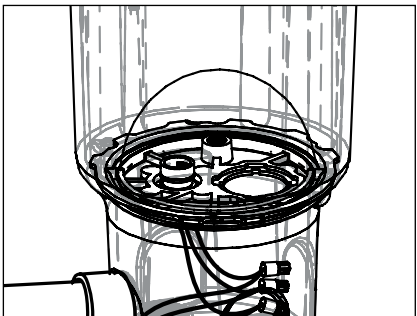
1. Remove temporary cover.



2. Make connections using silicone filled wire nuts (provided) to leads on the bottom of Patented HydroLock® Barrier Plate Assembly. See wiring diagram.

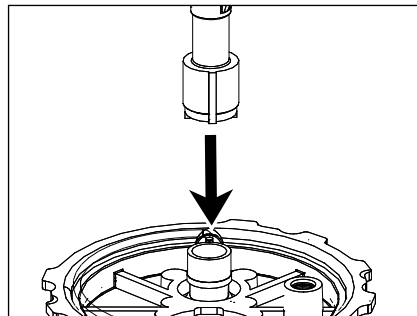


3. Wipe inside of housing where HydroLock® plate will sit clean of debris before inserting patented HydroLock® plate on to junction box. Align HydroLock® plate with pins in housing and seat it firmly in place.

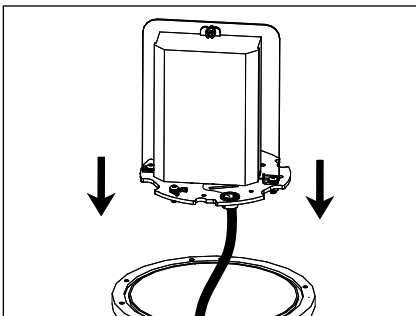


4. Turn HydroLock® Barrier Plate clockwise ¼" to lock.

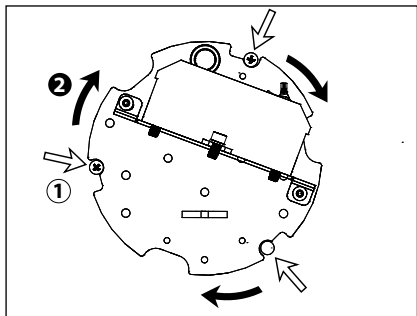
⚠ Patented HydroLock® Barrier Plate must be completely seated to ensure proper seal or water may intrude. This step must be done as stated or you will void your warranty.



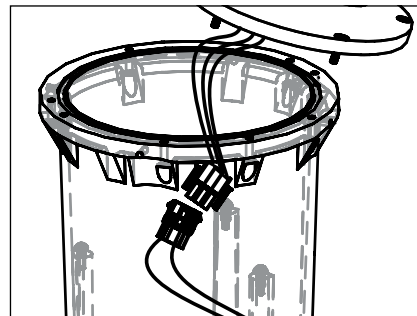
5. Connect ballast assembly to Patented HydroLock® Barrier plate with quick disconnect.



6. Lower ballast and ballast plate into HP2™ housing.



7. Line up ballast plate to posts inside HP2™ housing with screws as shown with white arrows above. Rotate ballast plate to lock into position. Tighten the Phillips screws to secure plate to housing.



8. Connect secondary leads from ballast to lamp leads using pre-wired factory quick disconnect.

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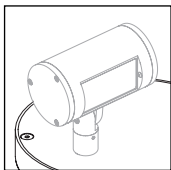


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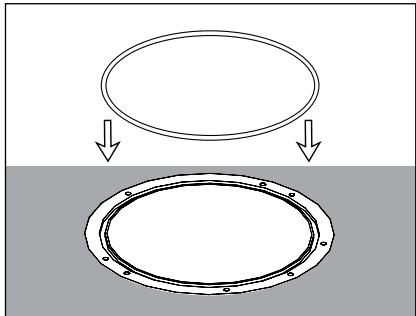


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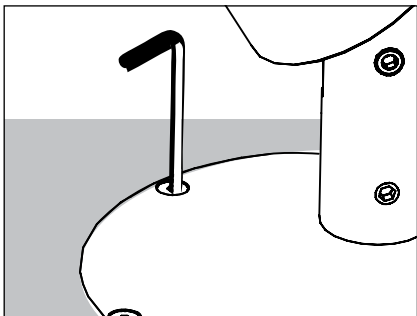
PROJECT:	
TYPE:	

Installation



9. Remove any dirt or debris in O-ring groove near top of housing. Place O-Ring inside of groove.

⚠ FAILURE TO CLEAN GROOVE OF DEBRIS WILL CAUSE FIXTURE TO FAIL AND VOID PRODUCT WARRANTY.

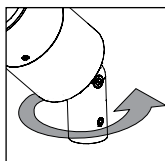


10. Install the faceplate using 1/8" Allen wrench and torque the faceplate screws in a cross pattern to 30 in-lbs.

⚠ DO NOT USE A POWER TOOL TO INSTALL SCREWS.

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Standard Adjustment



Warning



Hot Surface

360HD™ Mounting System

TOOLS NEEDED:



3/16" Allen wrench

By Others

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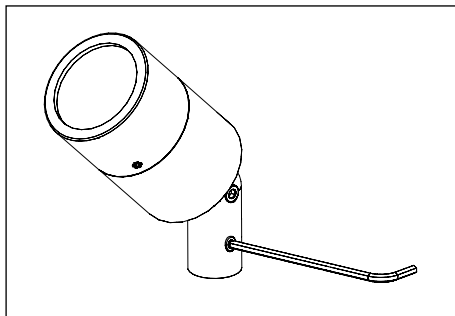
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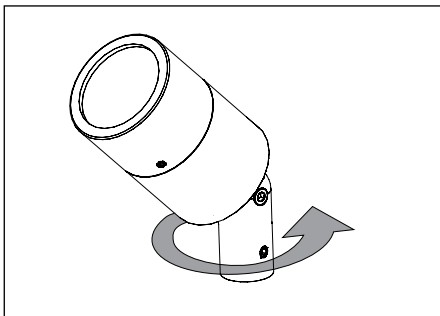
IMPORTANT LISTINGS AND CERTIFICATIONS

• Suitable for wet locations • Additionally suitable for mounting within 4 ft. of the ground

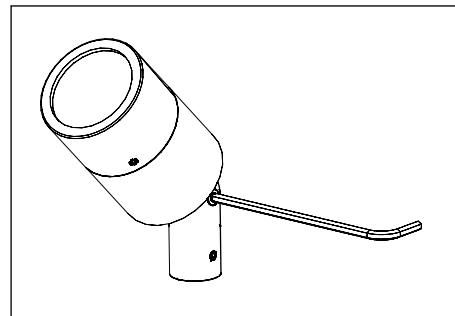
360HD™ Knuckle



1. Use 3/16" Allen wrench to slightly loosen (1) 3/8"-16 x 3/8" stainless steel black oxide set screw on the stem for 360° aiming purpose.



2. Rotate fixture at base and aim fixture to desired horizontal location.



3. Use 3/16" Allen wrench to loosen (1) 1/4"-28 x 1-1/4" stainless steel black oxide socket head cap screw at the knuckle for vertical aiming purpose.
4. Tighten (1) 3/8"-16 x 3/8" stainless steel black oxide set screw on the stem to secure horizontal aiming position.

Tighten (1) 1/4"-28 x 1-1/4" stainless steel black oxide socket head cap screw to 24" minimum to 48" maximum pounds to secure vertical aiming position

Warning: Do not over tighten set screw. Doing so will compromise O-ring seal and will void warranty.

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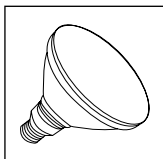
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PAR38 Metal Halide K2 / Alpine / Alps / Mammoth

Lamp Installation




Warning



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TOOLS NEEDED:

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By Others

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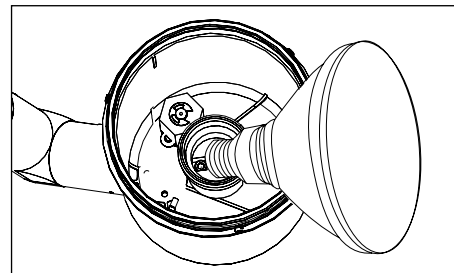
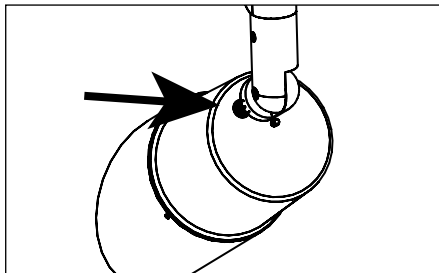
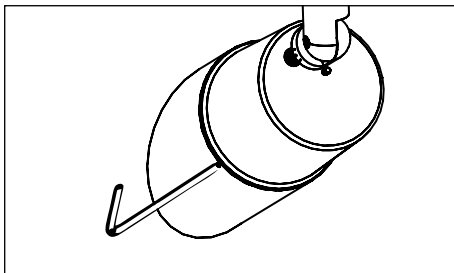
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Lamp Installation Or Re-Lamping if Required for PAR 38 Metal Halide Lamp



1. Loosen (3) #10-32 x 1/8" stainless steel set screws on cap with 3/32" Allen wrench. Retain screws in cap.
 2. Press patented Anti-Condensation Valve (ACV™) to release vacuum created inside the fixture during normal use. The valve is spring-loaded, by depressing it, air is allowed to re-enter the chamber and the pressure is then equalized. When the air-pressure equalizes the cap will release from body to allow lamp service.
 3. Insert PAR38 metal halide lamp into socket.
 4. Replace cap on fixture and tighten (3) #10-32 x 1/8" stainless steel set screws with 3/32" Allen wrench.
- ⚠ Do not exceed the maximum wattage listed on the fixture label before installing.**
- ⚠ Warning: Do not over tighten set screw. Doing so will compromise O-ring seal and will void warranty.**

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