

PART NO: 32000855

|      |     |            |     |          |
|------|-----|------------|-----|----------|
| BJB  | G   | 08-039     | JGB | 7/9/08   |
| WHD  | H   | 09-065     | ALD | 7/14/09  |
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| APPR | REV | ISO DOC    | BY  | DATE     |

**THIS PAGE IS ONLY A COVER SHEET**

**SEE THE FOLLOWING PAGES FOR  
ACTUAL INSTRUCTION SHEET**

PART NO: 32000855

**PHILIPS**

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UNLESS OTHERWISE SPECIFIED:  
\*ALL DIMENSIONS ARE IN INCHES.  
\*ALL THREADS ARE UNC-2B OR UNF-2B  
AFTER COATING.  
\*ALL THREADS ARE TO BE VERIFIED  
WITH A THREAD GAGE.

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DRAWN BY: K. A. RENNER DATE: 12/19/95

CHECKED BY: B. DORON DATE: 7/14/09

APPR BY: E. HADDAD DATE: 12/19/95

EF-04-01-11 Rev.08 SCALE 1:1 SHEET 1 OF 3

TITLE:  
INSTRUCTION SHEET, INGROUND  
BALLAST BOXES

DWG NO: 32000855 SIZE: A

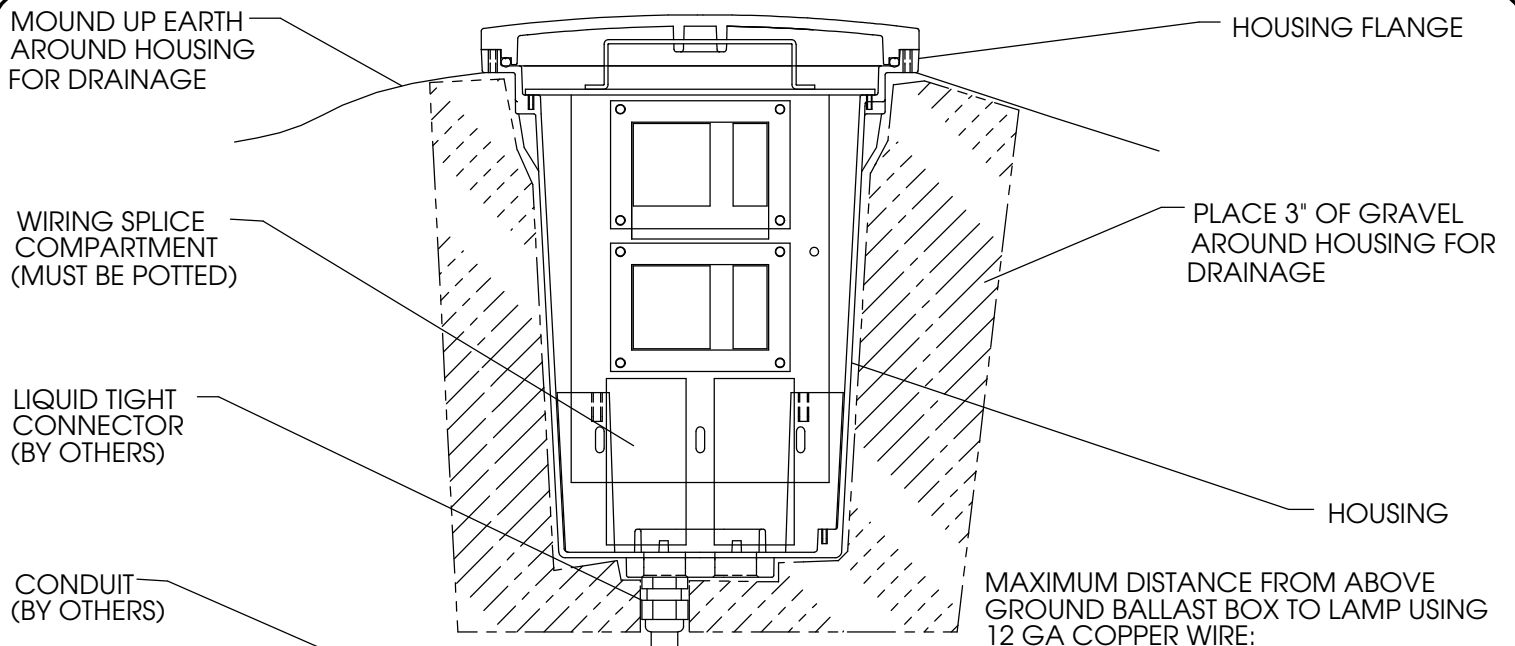
MATERIAL:  
8.5 X 11.0 WHITE BOND PAPER, PRINTED  
BOTH SIDES, BLACK INK

\* DO NOT SCALE THIS DRAWING \*

# PHILIPS

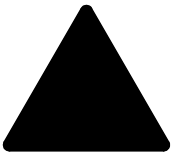
100 Craftway, P.O. Box 128  
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## INSTALLATION INSTRUCTIONS: FOR IBM & IBH SERIES INGROUND BALLAST BOXES



MAXIMUM DISTANCE FROM ABOVE GROUND BALLAST BOX TO LAMP USING 12 GA COPPER WIRE:

MERCURY VAPOR - 50,100,175 WATT - 100 FT.  
METAL HALIDE - 70 and 100 WATT - 20 FT.  
- 175 WATT - 50 FT.  
HIGH PRESSURE SODIUM - CONTACT HADCO



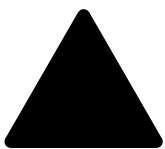
This fixture is intended for installation in accordance with the National Electrical Code and local code specifications. Failure to adhere to these codes and instructions may result in serious injury and/or damage to the ballast and void the warranty. These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency related to installation, operation, maintenance, or mounting situation. Should specific problems occur that are not addressed by these instructions, contact your Sales Representative or distributor for assistance. Retain these instructions for future reference.



### SAFETY WARNING:

**ALWAYS TURN FIXTURE OFF/DISCONNECT POWER AND ALLOW TO COOL BEFORE PERFORMING ANY MAINTENANCE, INCLUDING RELAMPING AND CLEANING!**

This fixture can become very HOT! The fixture housing and lens, especially if it is glass, can become hot enough to blister hands. Attention should be paid to where the fixture is mounted, particularly if it can be touched by children or pets. To help prevent premature failure, decreased performance, overheating and risk of fire, keep fixture and lens clean and free of leaves, mulch, debris and mineral deposits from water. The fixture and lens can be cleaned using a soft cloth and a solution of mild liquid soap and warm water. Wipe clean and dry with a soft, lint-free dry cloth. Avoid polishing fixture or lens.



### INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS!

**WARNING - Lamp gets HOT quickly! To reduce the risk of FIRE OR INJURY TO PERSONS:**

Do not operate fixture with a missing or damaged lens/lens assembly.

Contact only switch or plug when turning fixture on or off. Do NOT touch hot lens or housing.

Turn off or unplug fixture and allow to cool before relamping. Keep lamp away from combustibles.

Do NOT touch lamp with bare hands at any time, use a soft cloth as oil from skin may damage lamp.

# PHILIPS

## EXCAVATION

Excavate soil for housing placement and conduit runs. Contour the hole to the shape of the ballast box, allowing 3" min. around and under the box for the placement of granular material. It is recommended that the boxes not be placed in low locations where water could accumulate and stand for long periods of time.

## DRAINAGE

Ballast housing should be surrounded by a 3" minimum layer of gravel or sand to insure proper drainage. For concrete pour installations, box is to be placed on a 4" minimum bed of gravel with soil below. Use CP4 accessory kit when installing fixture in concrete. When backfilling, housing flange should be just above ground level as shown in the illustration. Hilling up earth around boxes will promote good water run-off and prevent debris accumulation.

## WIRING

1. Always be sure to turn power OFF when installing or servicing a ballast box.
2. Using a liquid tight connector (not included) in the threaded hole in the bottom of the box, connect supply wires to ballast box wires. Use wire nuts (not included) to connect black supply wire to black wire from box labeled "120V". Connect white supply wire to white wire from box labeled "COM". Connect supply ground wire to green ground wire from box labeled "GRD".
3. For remote mounted fixtures, use a liquid tight connector (not included) in one of the plugged holes in the bottom of the box. Connect black fixture wire to black wire from box labeled "LMP HOT". Connect white fixture wire to white wire from box labeled "LMP COM".
4. For mounting a fixture directly to box, consult factory. Lids must be machined in the factory by Philips to ensure proper sealing.
5. After wiring is complete, turn power ON.

## CAUTION!

1. Ballast housing should not be installed in insulating materials such as bark, vermiculite, etc. for the full depth of the housing. However, surface use of these materials is acceptable. DO NOT cover the lid of the housing with any of these materials.
2. The conduit entries inside the box must be potted. (See drawing on opposite page.) Use HADCO two part epoxy # MA1 (included) or equivalent.
3. All gasket seating surfaces must be clean and free of debris before attempting to replace the lid. If debris in the screw holes prevents proper seating of gasket, holes must be blown clear or cleared with a # 10-24 tap. Insert screws through lid and into housing and tighten using an alternating torque sequence 20 to 30 inch-lbs. See Figure 2 below.
4. Regularly check lid and keep it cleared of debris (mulch, leaves, etc.) as this could cause a fire.

Figure 2

