

Lumen Output Table		
Beam / Switch output	230mA	1500mA
Medium Flood (3000K)	132	669*
Medium Flood (4000K)	155	710*

\*Factory pre-set at this level.

NOTE: Other lumen levels for the various beam spreads and output settings can be found at [www.lighting.philips.com](http://www.lighting.philips.com)



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 driver 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. **SAVE THESE INSTRUCTIONS** for future reference.



**CAUTION:**

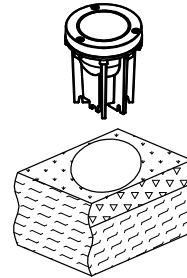
- WARNING:** TURN THE POWER OFF BEFORE INSTALLING OR PERFORMING ANY MAINTENANCE ON THIS FIXTURE. Failure to do so may result in severe injury or death.
- The housing should not be installed in insulating materials such as bark, vermiculite, etc. for the full depth of the housing. Surface use of these materials around BUT NOT ON TOP of the fixture is acceptable.
- IMPORTANT:** To prevent overheating, regularly check lens and keep it clean and free of debris such as dirt, sand, leaves, mulch, etc. **Failure to do so will void warranty and could cause a fire.**
- The fixture should not be installed in low lying areas or where water may accumulate and stand for long periods of time.
- Soil should be mounded up around the fixture to promote drainage.
- Do not install fixture within 10 feet (3 meter) of a pool, spa or fountain.

32002040, revision A



**INSTALLATION INSTRUCTIONS:**

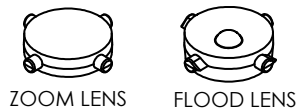
1. Make sure power is turned OFF before installing or servicing this fixture.
2. Excavate soil for fixture, or fixture with CP5 (see CP5 Installation Instructions for more details). Contour the hole to the shape of the housing, allowing 3" minimum around and under the housing for placement of sand or granular material. If the installation is in concrete, the fixture must be placed on a 3" minimum bed of gravel with soil below.
3. Loosen the three (3) screws that retain the lens ring (they should be captive in the gasket), see page 1.
4. Carefully remove the lens ring (with lens, gasket and screws) and set the assembly aside.
5. Adjust zoom lens by turning the white zoom dial as desired for the appropriate beam angle. Zoom dial has a "+" and "-" symbol on top surface in order to illustrate degree of beam angle, see page 1.



**Spot (15 deg)** - at lowest position, clockwise "-"

**Medium flood (35 deg)** - at highest position (shown), counter clockwise "+"

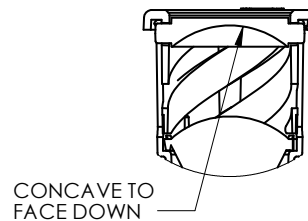
-OR-



ZOOM LENS

FLOOD LENS

Replace zoom lens with the wide flood lens (supplied) by pulling the white dial off of assembly. Remove zoom lens and place the wide flood lens, with the concave surface facing down, inside the path of the zoom dial. Push zoom dial until it snaps onto holder.



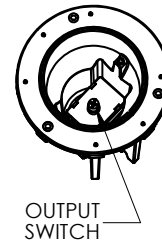
CONCAVE TO FACE DOWN



**Wide flood (60 deg)** - stationary at top of holder.

**Note:** Zoom lens must be removed in order to acquire the 60 degree beam angle.

6. (OPTIONAL) **To change lumen output** - Remove the two (2) screws that hold the heatsink (metal half-sphere). Lift the heatsink and zoom dial (optical assembly) out of the fixture. Use a Phillips screw driver and carefully turn the lumen output switch in the bottom of the housing. There are 4 different settings ranging from 230mA to 1500mA, see chart for approximate lumen values (page 1). Once the desired light level is achieved, replace the optical assembly and secure with the two screws. **DO NOT PINCH WIRES.**
7. (OPTIONAL) **To tilt optic assembly** - Loosen the two (2) screws that hold the heatsink (metal half-sphere), tilt assembly as desired and retighten screws. Rotate fixture as needed.
8. Wipe any debris from the heatsink, gasket and sealing surfaces. Replace the lens ring assembly onto housing. Tighten and torque the lens ring screws to ensure seal.
9. Wire fixture following instructions below.



OUTPUT SWITCH

**LOW VOLTAGE CABLE INSTRUCTIONS**

Gel filled wire nuts to be used with 10 or 12 gauge supply cable and 18 gauge fixture cable. Philips recommends using SPT-3 water resistant (marked "WA", "W" or similar marking) supply cable such as our SCW500-10 or our SCW100-12. Philips also recommends ordering the entire system, which includes the power console (maximum 25 Amps, 15 Volts per circuit), MA22 silicone wire nuts, and the supply cable to ensure proper installation and operation. When using Philips' supply cable, it can be laid on top of the ground, placed under "ground cover" (that is, shallow burial less than 6 inches or 15.2 cm deep), or directly buried in accordance with the NEC. If not using our cable, per UL 1838-Standard for Low Voltage Landscape Lighting Systems, the secondary cable must be SPT-3 or suitable for wet locations, sunlight resistant and direct burial per UL 493 and sized per UL 1838, and it must be buried less than 6 inches (15.2 cm). Philips recommends a minimum depth of 4 inches when burying in the lawn to prevent damage from aerators or other lawn plugging equipment. The 18 gauge fixture wire (provided with fixture) must be protected by routing in close proximity to the fixture or secured to a building structure such as a house or deck. The fixture wire must be cut off so that it is connected to the low voltage cable within 6 inches (15.2 cm) of the fixture or the building structure. When making an underground connection to the 10 or 12 gauge supply cable (not provided), the fixture wire must not be buried more than 6 inches (15.2 cm).

WARNING-Mount the luminaire in or on non-combustible mounting surfaces only.

WARNING-Risk of Electric Shock. Install all luminaires 10 feet (3.05m) or more from a pool, spa, or fountain.

1. Strip the 18 gauge wire from the fixture.
2. Cut and strip the 10 or 12 gauge supply cable located near the fixture.
3. Use gel filled wire nuts (two) to connect the fixture wire to the supply cable(s).
4. Connect the supply cable to the terminals on the power console (transformer) and turn ON.
5. Fixture will light as soon as the transformer is turned on.



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