

# INSTALLATION INSTRUCTIONS FOR 12V WELL LIGHTS

(SL-01 / SL-03 SERIES / SL-20SM(G & L)-MR16 / SL-20MD (G & L)-MR16/PAR36 / SL-21)

INSPECTED BY:



## SL-01:

Dig hole approximate 1 foot diameter x 1 foot deep. Add 4"-6" drainage material. Connect fixture lead wire to main cable. We recommend using our FA-05 Quick Connector (sold separately.) Position fixture in hole so top edge is above grade by minimum of 1 inch and leave 1-2 foot of fixture wire coiled at bottom of fixture for lamp servicing. Backfill drainage material around housing.

To replace lamp, remove assembly from ABS housing, rotate lamp upside down to access wiring. Disconnect lead wires from lamp terminals. Rotate lamp retaining ring cut out with one of the hex couplers. Press lamp upward. Ring & lamp will release. Reverse above steps to install a new lamp.



## NOTE:

If falling debris is present, we recommend a lens cover (FA-14). To insure light output is not compromised & eliminate the possibility of a fire hazard.



## SL-03:

Install fixture using same procedures as SL-01.

To replace lamp, remove 4 screws with #2 Phillips screw driver and remove cap to access light bulb. Pull MR16 Bi-Pin lamp out of the socket and replace with correct wattage MR16 Bi-Pin lamp marked on fixture label. Replace cap and carefully align gasket with body to insure a solid contact seal. Tighten down screws with #2 Phillips screw driver. The SL-03 & SL-03-NL are supplied with FA-17-Clear, convex lens & holder. SL-03-AC can accept accessories.



## SL-20SM (L & G)-MR16:

For SL-20SM-MR16 the lamp is not installed. It is shipped in protective box to avoid damage to the lamp. To install the lamp you must remove 5 stainless steel screws in the cap with a #2 Phillips screw driver. Remove cap and lens and insert the MR16 Bi-Pin lamp and replace the lens holder or grate to the body. Make sure the rubber O-ring sits properly in the groove on the body just underneath the lens. Tighten down the 5 screws with #2 Phillips screw driver.

A 4' Black 18/2 lead wire is supplied out the bottom of fixture with a liquid tight connector. This fixture is commercially acceptable. Install fixture using same procedures as SL-01.



## SL-20MD(L & G)-MR16/PAR36:

For SL-20MD-MR16 the lamp is not installed. It is shipped in protective box to avoid damage to the lamp. To install the lamp you must remove 8 stainless steel screws in the cap with a #2 Phillips screw driver. Remove cap, lens and gasket and insert the MR16 Bi-Pin lamp. Replace the lens, gasket and lens holder or grate to the body. Gasket is formed over the lens and only fits one way. Tighten down the 8 screws with #2 Phillips screw driver.

For SL-20MD-PAR36 the lamp is installed. To replace lamp follow instructions above to remove cap and see SL-01 relamping instructions.

A 4' Black 18/2 lead wire is supplied out the bottom of fixture with a liquid tight connector. This fixture is commercially acceptable. Install fixture using same procedures as SL-01.



## SL-21:

Install fixture using same procedures as SL-01 except housing should be 3 to 4 inches above grade.

To replace lamp pull lens cap off - it is a pressure fit cap, no screws. Remove inner housing cup and pull MR16 Bi-Pin lamp out of the socket and replace with correct wattage MR16 Bi-Pin lamp marked on fixture label. Replace inner housing and cap.



**NOTE:** All Well Lights should be installed in a manner that water will drain away from the fixture. The preferred method is with pea gravel or sand. This allows excellent drainage. Fixture must also be positioned where the top edge is above final grade by a minimum of 1" (3" to 4" for SL-21) to prevent water or debris from entering the housing. Well Lights are NOT underwater lights. Do NOT install in low grade areas where water will gather. In turf applications it is best to use 2 x 4's or concrete border to separate grass from fixture, insuring proper drainage and preventing lawn equipment from damaging the product. If constant debris/water is a concern, use FOCUS convex lens & holder or lens & grate.

## WARNING

Do NOT cover or surround well light with any leaves, mulch, pine straw, bark or any other combustible material as this could cause a fire and/or damage the lens apparatus and void the warranty. For proper operation and efficiency and to prevent well light from over heating, lens must be kept clean and free of dirt, dust, leaves, trash and mineral deposits from irrigation water. We recommend regular scheduled maintenance for optimum life and efficiency.