



W2K Series

Maintenance & Deep Cleaning Guide



General Guidelines

To ensure optimal performance and longevity of your Kessil W-series lights, follow the steps below as part of your regular maintenance routine.

Basic Maintenance

Keep Clean: Wipe down with a soft, dry cloth as needed to ensure there is no buildup of dust or salt.

Dust/Salt Buildup: Use compressed air or a soft brush to clean vents and lens. Use a lightly damp cloth to break up any heavy dust or salt.

Ambient Temp: 0°C-40°C (32°F-104°F). Ensure good airflow - don't block vents.

Ports: Ensure all ports are closed when not in use.

Inspect for Damage: Check cords, connectors, housing, and lens for wear or cracking.

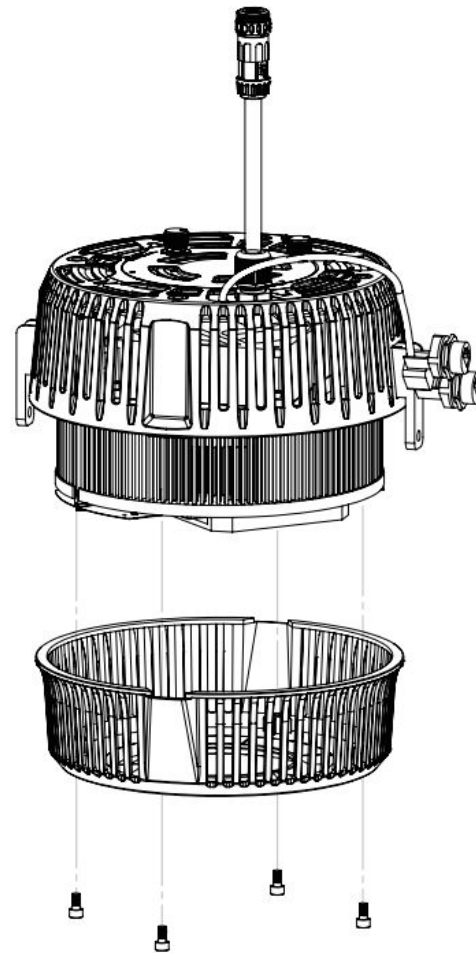
Cleaning the Heat Sink

⚠ Power off and unplug before servicing.

Remove Outer Housing: Unscrew perimeter screws, lift off top cover.

Clean Heat Sink: Use compressed air or a soft brush. Use reverse osmosis purified water or isopropyl rubbing alcohol. Ensure the fixture is fully dry (a minimum of 4 hours) prior to reapplying electrical power.

Reassemble: Realign housing and screws securely.



Recommended Maintenance Schedule

EVERY 1-2 MONTHS



Wipe down

EVERY 3-6 MONTHS



Visual Inspection

EVERY 6-12 MONTHS



**Remove housing and
clean heat sink**

Note:
Environments with high salt, ambient humidity, temperatures, or other harsh conditions should increase the frequency of this maintenance as needed to avoid substantial dust or salt buildup on fixtures.

Required Tools

Required Disassembly Tools

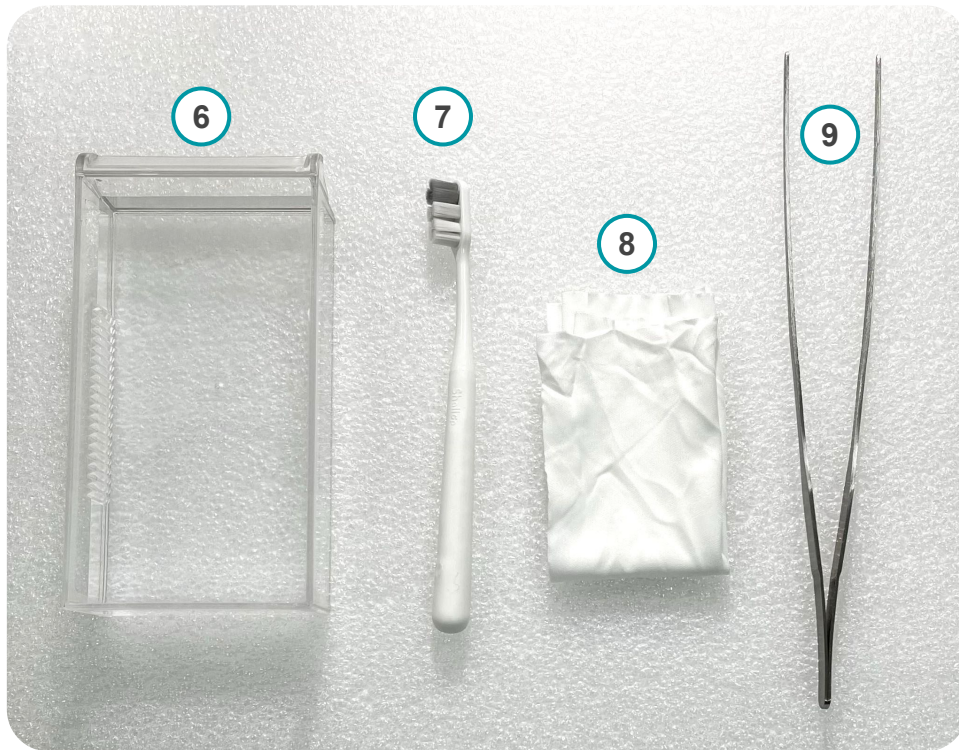
- 1 Knob Removal Tool
- 2 Needle-Nose Pliers
- 3 Open-End Wrench
- 4 Phillips #1 Screwdriver
- 5 6 mm Hex Driver



Required Tools

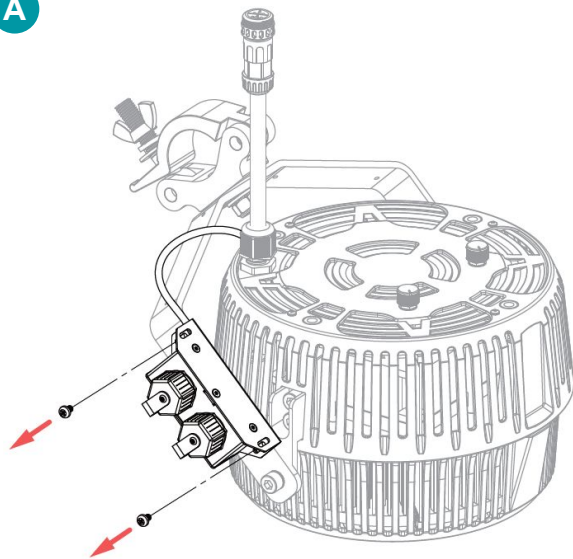
Required Cleaning Tools

- 6 Distilled Water / RO Water
- 7 Soft-Bristle Toothbrush
- 8 Lint-Free Cloth
- 9 Long Tweezers



W2K Disassembly Procedure

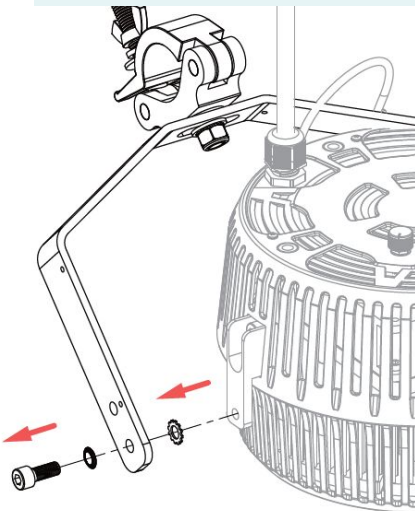
A



Using a Phillips #1 screwdriver, remove the two screws securing the DMX adapter to the yoke.

B

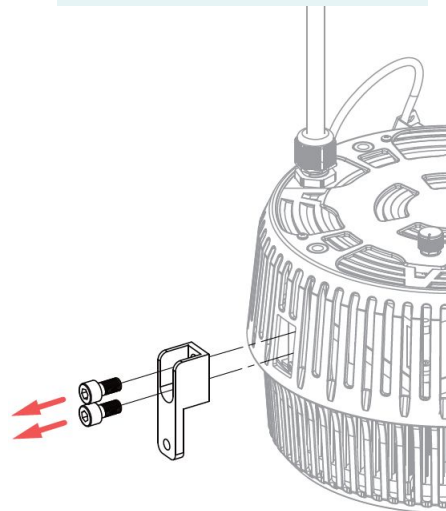
Note: Repeat this procedure on both the left and right sides.



Using a 6 mm hex key, remove the mounting screw assemblies from both sides, then remove the yoke from the fixture.

C

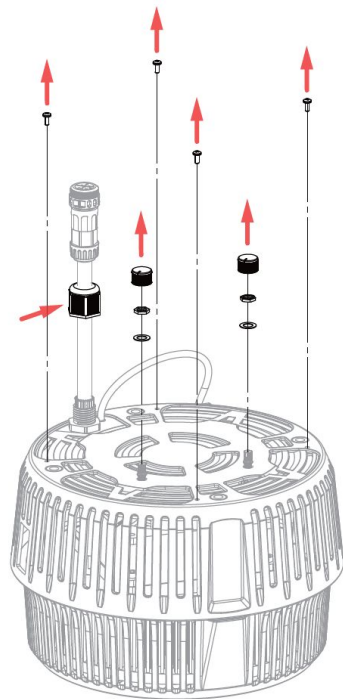
Note: Repeat this procedure on both the left and right sides.



Using a 6 mm hex key, remove the two screws securing the yoke bracket to the fixture, then remove the bracket.

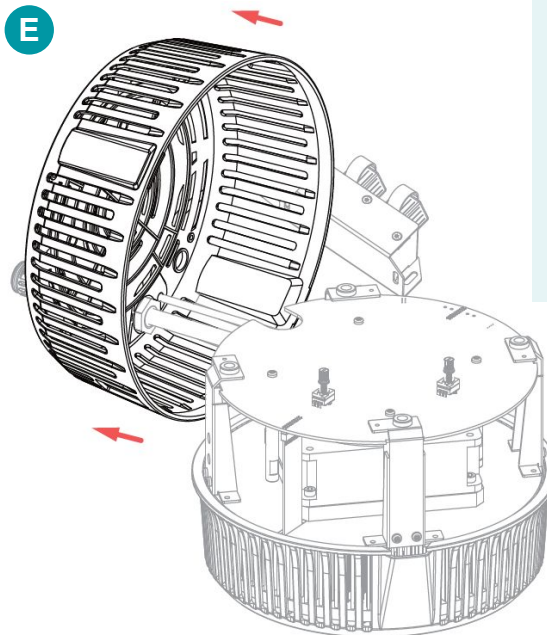
W2K Disassembly Procedure

D



Unscrew and remove the cable gland cap. Place a lint-free cloth over each knob cap, then carefully remove the knob caps using the knob removal tool. Needle-nose pliers may be used if the knob removal tool is unavailable. Ensure the lint-free cloth remains between the tool and the knob cap surface to prevent damage. Remove the washers and mounting nuts using an open-end wrench. Finally, using a Phillips #1 screwdriver, remove the four mounting screws securing the top cover.

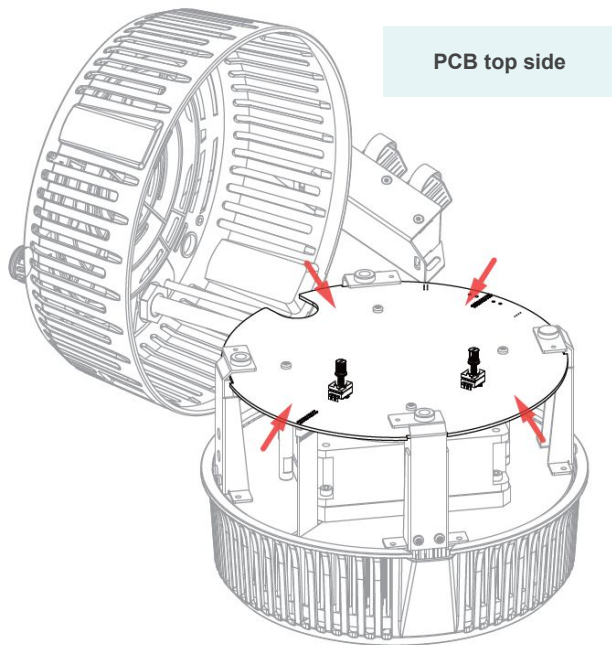
E



Note: When removing the cable gland cap, take care not to lose the silicone sealing ring. Although it normally remains in place, it may occasionally become loose or fall out during disassembly.

Carefully lift and remove the top cover from the fixture. Take care not to pull, pinch, or damage any internal cables or wiring during removal.

W2K Disassembly Procedure

F

Using a soft-bristle toothbrush lightly moistened with distilled water or RO water, gently remove accumulated salt deposits, dust, and contaminants from the PCB top side indicated by the arrows.

Use a lint-free cloth to wipe and dry the cleaned PCB surface.

After cleaning, use a hair dryer in cool-air mode only, or place the fixture in a drying cabinet to ensure the PCB and fixture are completely dry before reassembly and reconnection to power. **Do not use hot air.**

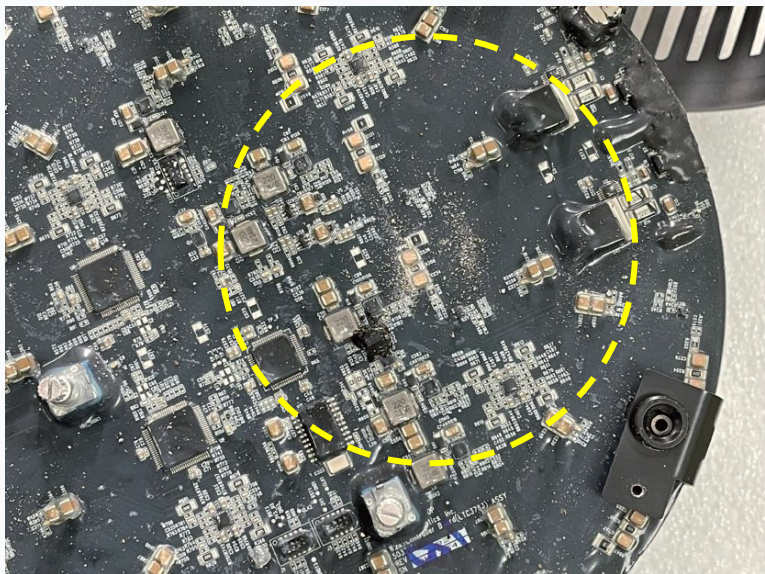
For installations in high salt spray environments, PCB inspection and cleaning are recommended every 6 months to help prevent salt-induced corrosion and extend fixture service life.

Note: Do not reconnect power until all cleaned areas are completely dry.

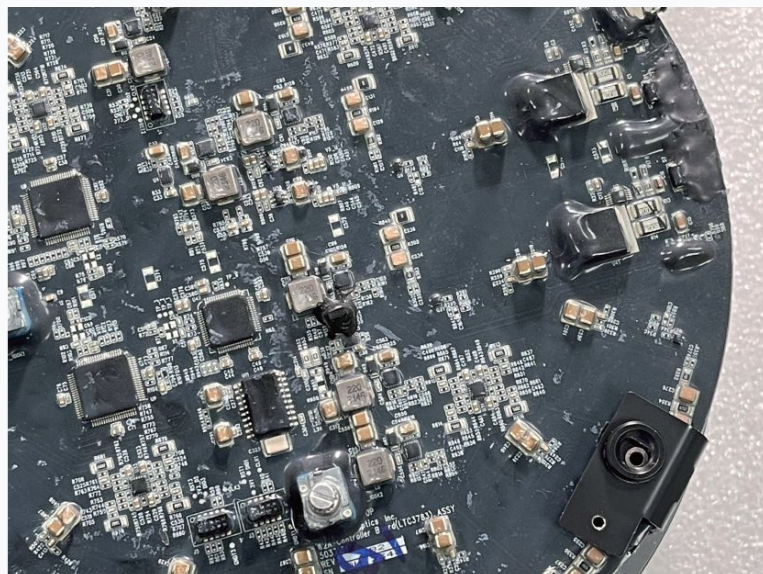
W2K PCB - Salt Contamination

PCB Top Side

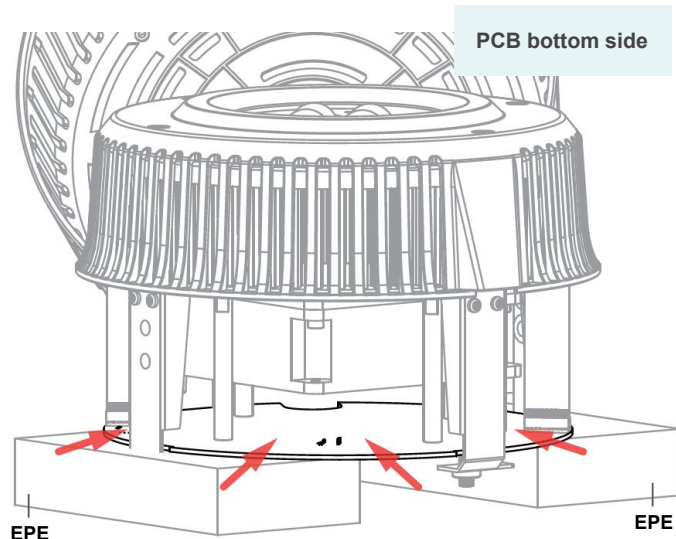
Before Cleaning



After Cleaning



W2K PCB Cleaning Procedure

G

Turn the fixture upside down and place it on a soft protective material, such as EPE foam, to prevent damage and provide better access to the PCB bottom side.

Using a soft-bristle toothbrush lightly moistened with distilled water or RO water, gently remove accumulated salt deposits, dust, and contaminants from the PCB bottom side indicated by the arrows.

Use a lint-free cloth to wipe and dry the cleaned PCB surface. For hard-to-reach areas, use long tweezers to hold the lint-free cloth and carefully wipe and dry the PCB surface.

After cleaning, use a hair dryer in cool-air mode only, or place the fixture in a drying cabinet to ensure the PCB and fixture are completely dry before reassembly and reconnection to power. Do not use hot air.

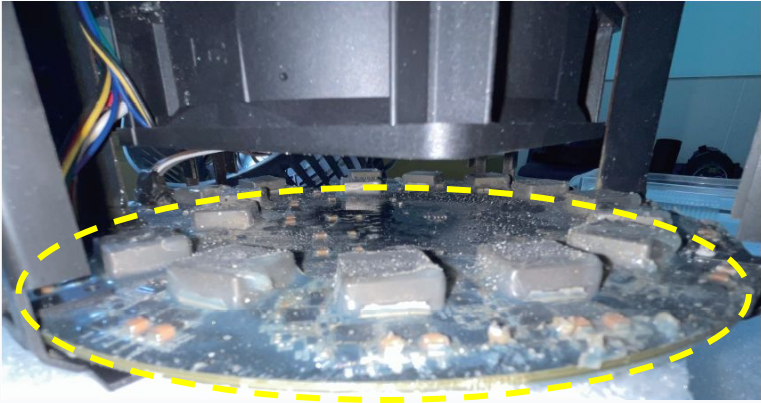
Note: Do not reconnect power until all cleaned areas are completely dry.

For installations in high salt spray environments, PCB inspection and cleaning are recommended every 6 months to help prevent salt-induced corrosion and extend fixture service life.

W2K PCB - Salt Contamination

PCB Bottom Side

Before Cleaning



After Cleaning

