



W500 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.

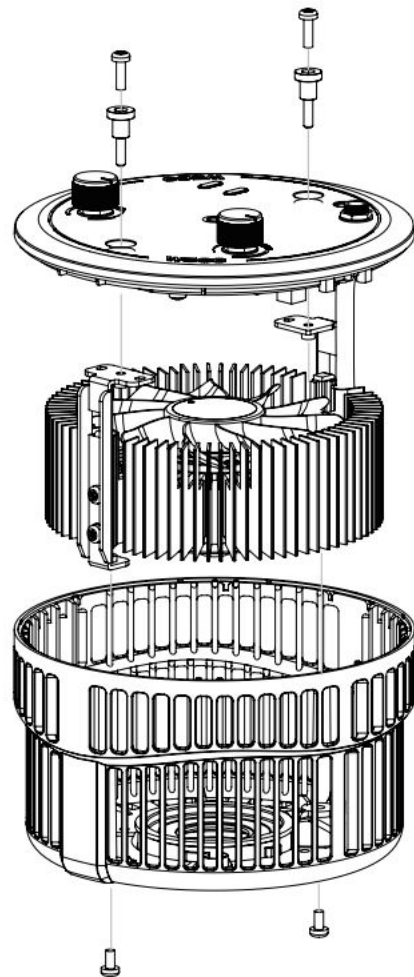
Cleaning the Heat Sink

⚠ 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

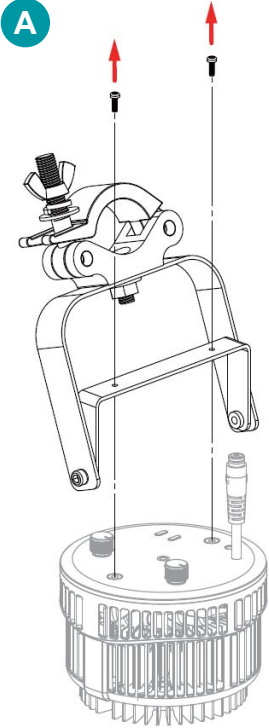
- 1 T10 Torx Screwdriver
- 2 4 mm Hex Driver

Required Cleaning Tools

- 3 Distilled Water / RO Water
- 4 Soft-Bristle Toothbrush
- 5 Lint-Free Cloth

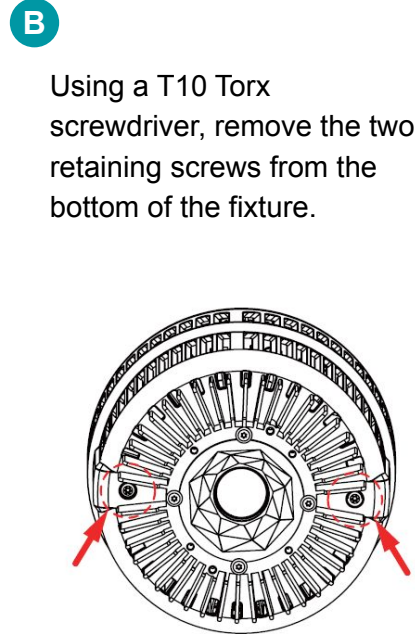


W500 Disassembly Procedure



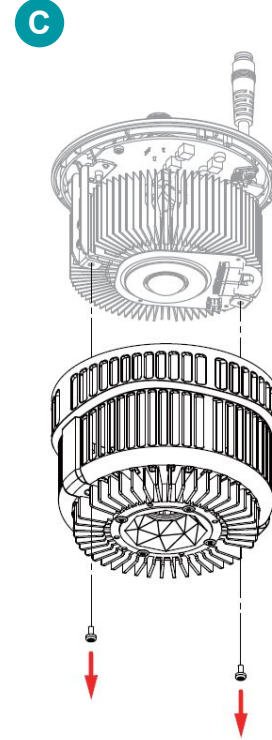
A

Using a T10 Torx driver, remove the two yoke mounting screws, then lift the yoke assembly away from the fixture.



B

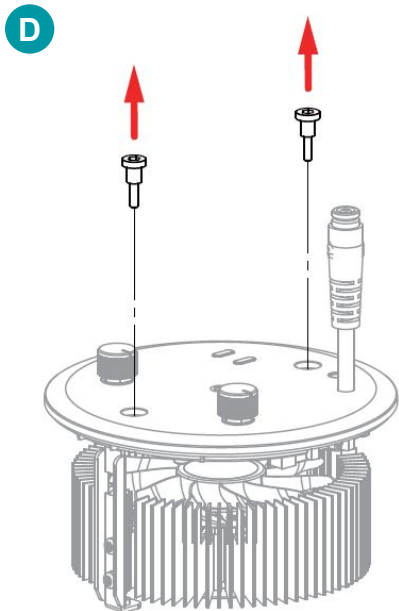
Using a T10 Torx screwdriver, remove the two retaining screws from the bottom of the fixture.



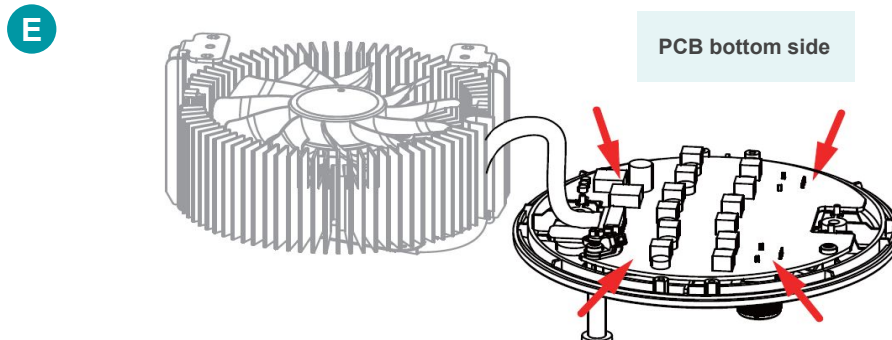
C

After removing the screws, support the lower housing and carefully slide it straight downward to separate it from the upper assembly.

W500 Disassembly Procedure



Use a 4 mm hex key to remove the two PCB retaining screws.



Carefully lift and turn over the PCB assembly to expose the underside. Using a soft-bristle toothbrush lightly moistened with distilled water or RO water, gently remove accumulated salt deposits, dust, and contaminants from the areas indicated by the arrows.

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

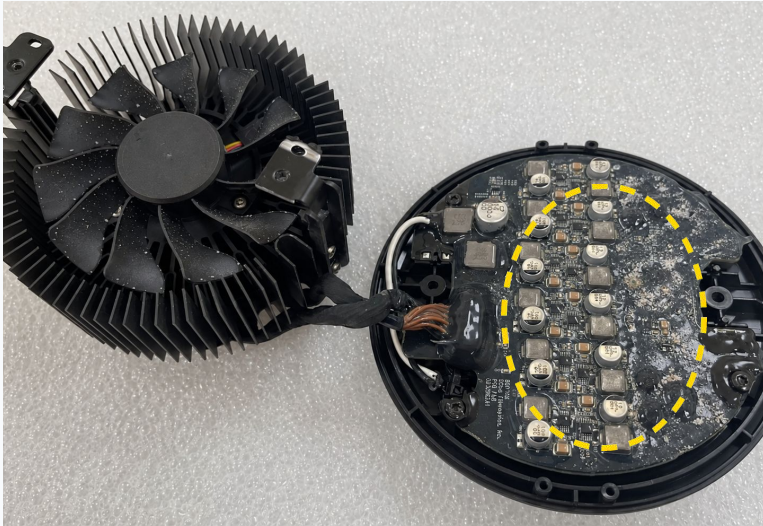
After cleaning, use a hair dryer in cool-air mode only, or place the assembly in a drying cabinet, to ensure that the PCB and fixture are completely dry before reassembly and reconnection to power.

Do not use hot air. Avoid pulling or straining the connecting cable.

W500 PCB - Before and After Cleaning

PCB Bottom Side

Before Cleaning



After Cleaning

