

# SOL LED Grow Light Troubleshoot and Replacement Procedure (for 50W chips)

### Contents

- Troubleshooting your LED grow light.....2
- Replacing the LEDs.....3
- Replacing the power supply.....4

### Questions?

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Email: [warranty@hydrogrowled.com](mailto:warranty@hydrogrowled.com)

### Required tools:



1 phillips head screwdriver

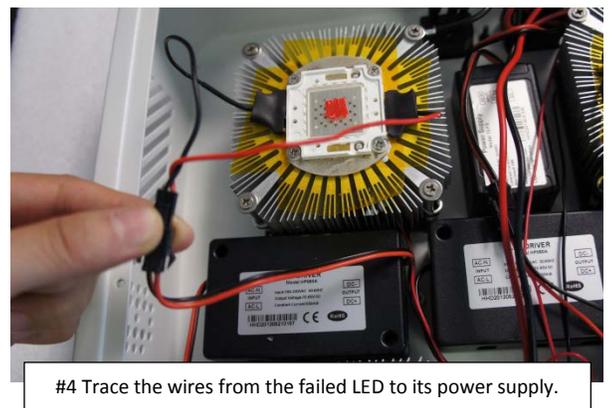
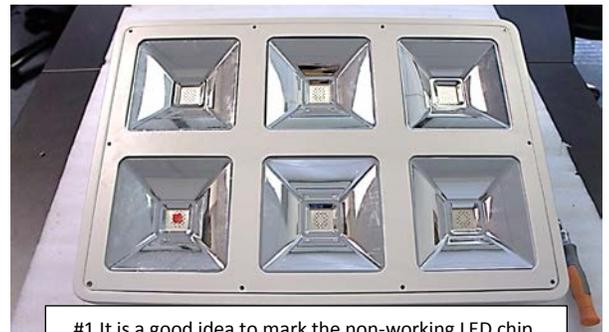
## Troubleshooting a LED failure

Troubleshooting your LED failure is simple. There are 3 possible reasons your LED chip is not lighting:

1. One of the power leads may have come unplugged
2. Power supply failure
3. Burned out chip

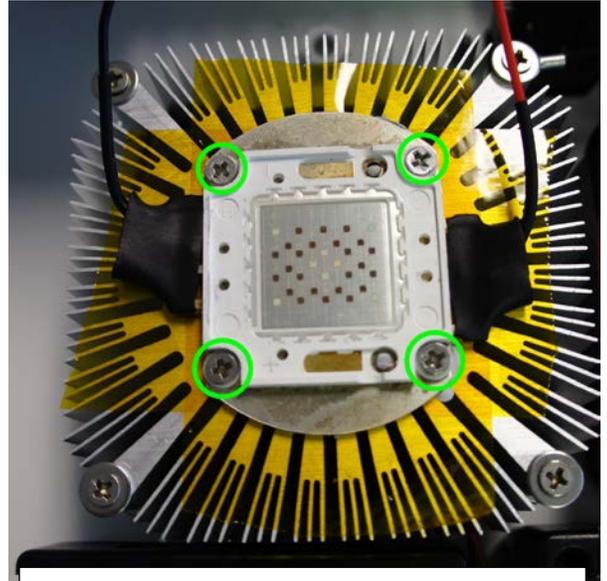
In the case of #2 and #3, the LEDs may not come on but most cases, either the power supply has failed or the LEDs may have burned out. It is very rare that both have failed at the same time. The diagnostic procedure helps us pinpoint exactly which part has failed. In a nutshell, the diagnostic requires that you unclip the LEDs from it's original power supply and clip it into a **known working power supply**. Read the directions below for step-by-step guidance.

1. Determine which LEDs are not lighting. It is a good idea to mark those LEDs with painter/masking. This makes it easier to track the non-working LEDs when the unit is unplugged.
2. On a flat, soft surface, place the unit on it's back, with the LEDs facing towards you.
3. Remove all screws holding the face of the fixture in place. Remove the lid.
4. Carefully trace the wires from the failing LED and identify its power supply. This may require you to remove some zip ties.
5. Unplug the clips.
6. From a **known working LED**, trace the wires to locate it's power supply. This power supply is marked B in the picture. Unplug the clips.
7. Plug the clips from power supply B into the failed LED (which is marked with tape). If the LEDs light up, then the source of the failure is the power supply. If the LEDs do not light up, then it is bad LEDs.
8. Reclip power supply B to it's respective LED chip.
9. Remove the defective part.



## 2. Replacing a LED chip

1. Once you have determined it is a faulty chip, you are ready to replace the chip.
2. Loosen and remove the screws holding the LED chip in place.
3. Unclip the clips plugged into the power supply.
4. Discard the chip.
5. Place the new chip and tighten screws to hold the LED chip in place.
6. Connect the LEDs to it's power supply.
7. Fold the wires in a tidy fashion and secure with zip ties.



#2 Loosen and remove the screws holding the LED in place.



#6 Connect the new LEDs to it's power supply.

### 3. Replacing the LED power supply

1. Once you have determined it is a faulty power supply, you are ready to replace the power supply.
2. Trace the wires from the “non-working” LED to the faulty power supply. Unplug the clips.
3. Loosen and remove the screws holding the power supply strap in place.
4. Discard the faulty power supply and replace with new.
5. Plug the clips back into the LED chip.
6. Tighten the power supply in place with the straps and screws.
7. Fold the wires in a tidy fashion and secure with zip ties.



#2 Trace the wires from the non-working LED to the faulty power supply.



#3 Remove the screws holding the power supply strap in place.