

Due to low heat output, durability, and efficient use of energy; the SolarOasis Aqua-Bar ABP550 provides significant savings over HID lighting.

Electricity Costs LED vs. Halide

Table comparing electricity costs in a standard 55 gallon tank measuring 48" long, 12" wide, and 20" deep.

	Watts	Hours Per Day	Days per Year	Watt Hours Per Year	KW Hours Per Year	Cost Per KWHR	Cost Per Year
2- ABP550 SolarOasis Aqua-Bars	18	12	365	78,840	78	.10	\$8
1- 250 watt HID	250	12	365	1,095,000	1,095	.10	\$110

These costs become more important as electricity prices continue to rise.

Peripheral Equipment

- **The SolarOasis Aqua-Bar requires no ballast.**
Up to four Aqua-bars can be run on a single power supply that plugs directly into a wall socket or bus line.
- **The SolarOasis Aqua-Bar lighting requires no reflector.**
The LGM product line is complete with built in reflectors to focus the light only where it is needed.

Replacement Costs

- **Replacing bulbs and ballasts is a recurring cost of traditional lighting that is greatly reduced using LEDs.**
The SolarOasis Aqua-Bar is rated for 8-10 years of operation with no light degradation.

Heat Management

- **The SolarOasis Aqua-Bar puts off only trace amounts of heat.**
The Aqua-Bar aquarium lighting operates at less than 15 degrees Fahrenheit above ambient temperatures- adding virtually no heat to your tank.

Disposal Costs

- **HID lighting is considered hazardous waste and requires special disposal that includes disposal fees.**
The SolarOasis Aqua-Bar contains no lead, mercury, or glass parts; this not only saves money in disposal fees but also makes them a safer lighting option that is recyclable at the end of its useful lifetime.

Coverage- How Many Aqua-Bars do You Need

The Aqua-Bar is designed to address the typical tank sizes used in most aquariums today. This means aquariums approximately 20" in depth, and 12"-18" front to back. The ABP550 model will cover a width of 24" per bar. The one bar per 24" width is a starting point based on plant maintenance. The use of two bars per 24" width will provide ample light energy for nearly all applications of robust plant growth.