

Kessil®

A360N A360W

LED Aquarium Light

OWNER'S MANUAL LED ILLUMINATOR



Kessil Lighting

A DiCon Brand

1689 Regatta Blvd, Richmond, CA 94804

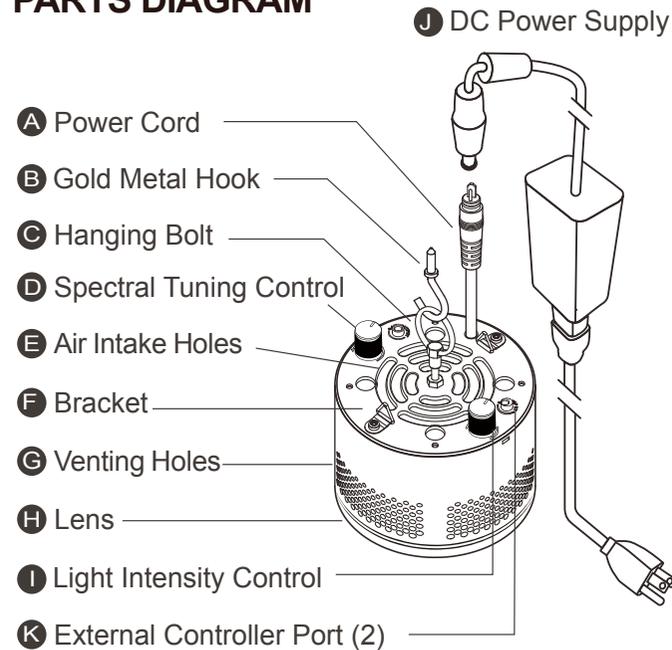
(510) 620-5250

www.kessil.com

A360N / A360W

Kessil takes another leap forward in the Spectral Revolution with the A360N / A360W Tuna Blue LED aquarium light. Incorporating the latest 90W Dense Matrix LED platform, A360 features a penetrating, tunable light that provides a beautiful shimmer effect, boosts coral growth and color, and can easily be tuned to emit a range of spectrums from Sky Blue to Actinic Blend and every shade in-between.

PARTS DIAGRAM



PRODUCT SPECIFICATIONS

Illuminator	
Power Consumption	90W MAX
Input Voltage	48 VDC
Listed Power Supply	
Input	100 - 240 VAC, 47 - 63 Hz, 2.0 A MAX
Output	48 VDC, 1.87 A

INSTALLATION GUIDE

1. Remove contents from package.
2. Screw the hanging bolt (C) into the center hole.*
3. Hang the A360N / A360W 1 to 2 ft. above the object to be illuminated.**
4. Connect power cord (A) to the specified DC power supply (J).
5. Plug the power supply into an outlet with the correct specifications (see product specifications for more information).
6. Adjust the Light Intensity Control (I) and the Spectral Tuning Control (D) to the desired setting. When set fully to the left, the light is very close to Kessil Sky Blue. The middle setting is very close to Kessil Ocean Blue. Fully to the right is close to actinic blue.
7. The jacks beneath the controls can be connected to an external 0~10V controller. Please consult your controller's owners manual for more information.

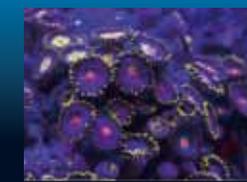
* The A360N / A360W may also be hung by mounting two metal hooks (diameter of at least 2.5 mm and thread count of at least 6) through its brackets (F).

** The A360N / A360W should only be installed on wood, acoustic tile or other similar ceilings.

** For sufficient airflow, the intake and venting holes (E,G) should be at least 12 in. from surrounding obstructions.

SAFETY INSTRUCTIONS

1. DO NOT use a power supply that is outside the specifications. This is a fire hazard and may lead to unit failure.
2. DO NOT use outdoors. This unit is intended for indoor use only.
3. DO NOT expose unit to an extremely humid environment or submerge unit in water. This may lead to unit failure.
4. DO NOT place working illuminator in close contact with any objects. This may cause objects to heat up and the unit to overheat.
5. KEEP lens (H) away from sharp objects. Sharp objects may break the lens and lead to unit failure.
6. DO NOT cover or place objects on the power supply. Power supply should not be contained in an airtight space.



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MAINTENANCE

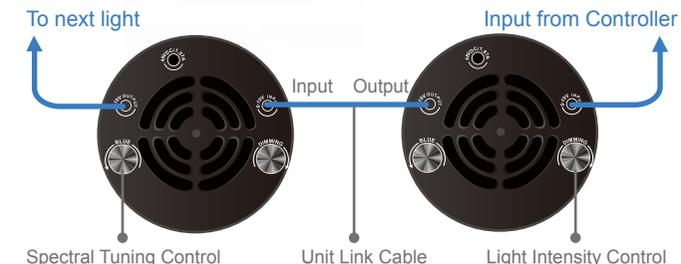
1. Keep the air intake holes (E), venting holes (G), and fan clear of dust. To clean the fan, unplug the unit and insert the tip of a CO2 dust blower (or similar dust blower) in one of the venting holes (G) on the unit's outer shell. Hold and spray. You can also gently vacuum out the light through the venting holes.
2. Keep the lens (H) clean. If the lens becomes contaminated with water, dust, or other particles, unplug the unit and clean the lens with isopropyl alcohol. Wet a cotton swab or a napkin in isopropyl alcohol, gently wipe the surface of the lens, and let it dry.

TROUBLESHOOTING GUIDE

Please make sure to perform maintenance before doing any troubleshooting.

Problem	Cause / Solution
Light doesn't turn ON	Make sure the unit is connected to the power supply and the power supply is plugged into an outlet with the correct specifications.
	Make sure the power supply has the right specifications.
	Make sure electrical power is available to the AC outlet being used.
	Make sure the device is operating within the specified operating temperature range. If unit overheats, it will automatically shut down.
Unit is flickering	Make sure the power supply has the right specifications.
	Make sure the unit has not overheated by operating at a room temperature above 100°F/40°C.
	Make sure the fan is operating properly.

P/N: 5870027



CONTROLLING MULTIPLE A360 LIGHTS

Multiple A360N and A360W lights can be controlled by either a single external 0~10V controller or manually.

CABLES

Available cables (each sold separately):

- Control Cable (Please consult www.kessil.com for list of available cables and compatible controllers)
- Unit Link Cable (6' male/male with 3.5mm stereo plug)
- Control Extension Cable (6' male/female with 3.5mm stereo plug to 3.5mm stereo jack)

STARTING A CHAIN

Connect two or more lights with the Kessil Unit Link Cable, as shown above.

CONTROL METHODS

There are two ways to control a chain of lights:

- With an external controller;
- Without external controller (Tuning Controls on first light control all other lights in chain).

Should a longer cable be needed, the Kessil Control Extension Cable may be used.

Each light has its own independent power supply. Any number of lights can be daisy chained together without degradation of signal. However, in longer chains a slight delay in response may occur.

Tuning Controls are disabled when device senses input cable.