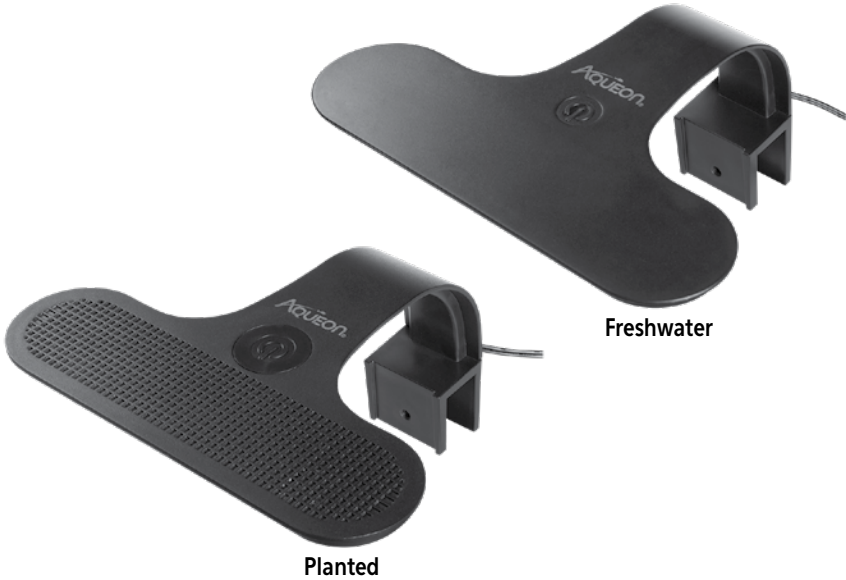




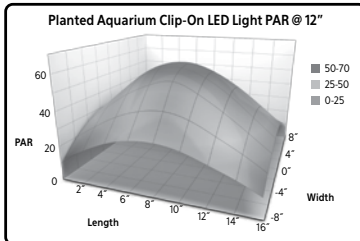
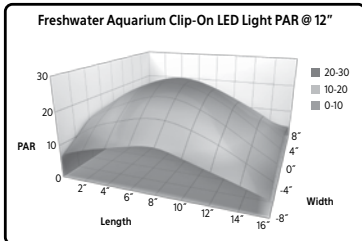
Owner's Manual

LED Clip-On Lights



Item No.	Description	PEAK PAR	AVG PAR*	PEAK LUX	AVG LUX*	CCT
100533612	Freshwater	27	15	2060	1225	7,245K
100533613	Planted	63	35	3722	2188	18,400K

*Average output at 12" from the center of the light in a 16" x 16" area.



The PAR graphs are a measurement of visible light output from 400-700nm, measured at 12" from the center of the light in a 16" x 16" area.

IMPORTANT SAFETY INSTRUCTIONS

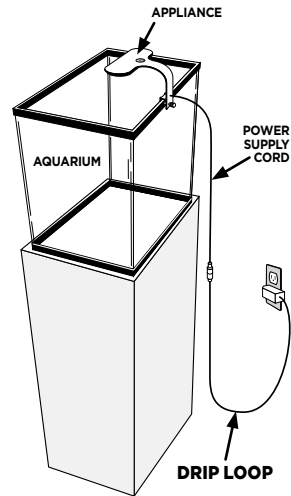
WARNING – To guard against injury, basic safety precautions should be observed including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

2. **DANGER** – To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself; return the appliance to an authorized service facility for service or discard the appliance:

- A. If the appliance falls into the water, DON'T reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance completely.
- B. Carefully examine the appliance after installation. It should not be plugged in if there is water on the parts not intended to be wet.
- C. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner.
- D. To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of the wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. As shown in the figure, a "drip loop" should be arranged by the user for each cord connecting an aquarium appliance to the receptacle. The "drip loop" is the part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water travel along the cord and coming in contact with the receptacle. If the plug or the receptacle does get wet, DON'T unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the appliance. Then unplug and examine for the presence of water in the receptacle.

- 3. Close supervision is necessary when any appliance is used by or near children.
- 4. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.
- 5. Always unplug an appliance from the outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank the cord to pull plug from the outlet. Grasp the plug and pull to disconnect.
- 6. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- 7. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
- 8. Make sure an appliance mounted on a tank is securely installed before operating it.
- 9. Read and observe all the important notices on the appliance.
- 10. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- 11. This appliance is recommended for use over a glass aquarium cover or panel. The appliance is intended **FOR HOUSEHOLD USE ONLY**.



ONLY FOR POLARIZED ATTACHMENT PLUG APPLIANCES

12. If this appliance has a polarized plug (one blade is wider than the other) as a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.

13. SAVE THESE INSTRUCTIONS

CONSIGNES DE SÉCURITÉ IMPORTANTES

AVERTISSEMENT – Pour protéger contre les blessures, respecter les consignes de sécurité de base, notamment ce qui suit :

1. LIRE ET RESPECTER TOUTES LES INSTRUCTIONS DE SÉCURITÉ.

2. **DANGER** – Pour écarter les risques de décharge électrique, faire preuve de précautions particulières en raison de la présence d'eau dans l'aquarium. Dans chacune des situations ci-dessous, ne pas tenter de réparer soi-même ; renvoyer l'appareil à un centre de réparation agréé ou le mettre au rebut.

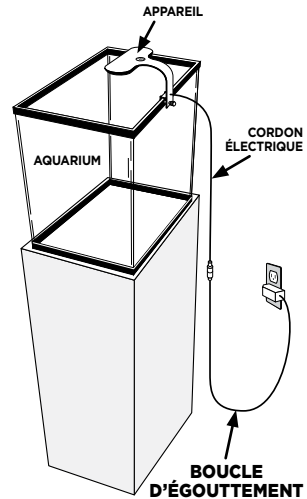
A. Si l'appareil tombe dans l'eau, NE PAS y mettre la main ! Débrancher d'abord l'appareil puis le récupérer. Si des composants électriques de l'appareil sont mouillés, le débrancher immédiatement.

B. Examiner l'appareil avec soin après son installation. Ne pas le brancher s'il y a de l'eau sur des pièces non destinées à être mouillées.

C. Ne pas utiliser un appareil s'il a un cordon ou une fiche endommagés, s'il fonctionne mal, s'il est tombé ou s'il a été endommagé d'une quelconque façon.

D. Pour écarter le risque de mouiller la fiche de l'appareil ou la prise de courant, placer le socle et la cuve de l'aquarium sur le côté par rapport à la prise murale, afin d'éviter que l'eau ne goutte sur la prise ou la fiche. Prévoir une « boucle d'égouttement », illustrée ci-dessous, sur chaque cordon qui raccorde un appareil de l'aquarium à la prise de courant. La « boucle d'égouttement » est la portion de cordon en dessous du niveau de la prise, ou du connecteur si un cordon de rallonge est utilisé, pour empêcher l'eau de s'écouler le long du cordon et de venir au contact de la prise. Si la fiche ou la prise sont mouillées, NE PAS débrancher le cordon. Couper l'électricité au niveau du disjoncteur qui alimente l'appareil. Débrancher ensuite le cordon et voir s'il y a de l'eau dans la prise de courant.

3. Une supervision étroite est nécessaire lors de l'utilisation de tout appareil électrique par des enfants ou à leur proximité.
4. Pour éviter les blessures, ne pas toucher de pièces en mouvement ni de pièces chaudes telles que radiateurs, réflecteurs, ampoules, etc.
5. Toujours débrancher un appareil de la prise de courant lorsqu'il n'est pas utilisé, avant de poser ou d'enlever des pièces et avant de le nettoyer. Ne jamais tirer sur le cordon pour sortir la fiche de la prise. Saisir la fiche et tirer pour débrancher.
6. Ne pas utiliser un appareil à d'autres fins que celles prévues. L'emploi d'accessoires non recommandés ni vendus par le fabricant de l'appareil peut produire une situation dangereuse.
7. Ne pas installer ni entreposer l'appareil dans un endroit exposé aux intempéries ou à des températures inférieures au gel.
8. S'assurer qu'un appareil monté sur un aquarium est solidement installé avant de le mettre en marche.
9. Lire et respecter toutes les consignes importantes figurant sur l'appareil.
10. Si un cordon de rallonge est nécessaire, utiliser un cordon de capacité suffisante. Un cordon prévu pour des intensités (A) ou des puissances (W) inférieures à celles de l'appareil peut surchauffer. Veiller à disposer le cordon de manière à éviter tout risque de trébuchement ou d'arrachement.
11. Cet appareil est recommandé pour une utilisation sur un couvercle ou panneau d'aquarium en verre. Ce appareil est destiné à une **UTILISATION DOMESTIQUE SEULEMENT**.



APPAREILS À FICHE POLARISÉE SEULEMENT

12. Si cet appareil comporte une fiche polarisée (une lame plus large que l'autre) par mesure de sécurité, cette fiche ne peut être branchée dans une prise polarisée que dans un sens. Si la fiche ne rentre pas complètement dans la prise, retourner la fiche. Si elle ne rentre toujours pas, contacter un électricien qualifié. Ne jamais utiliser avec un cordon de rallonge si la fiche ne s'enfonce par complètement. Ne pas tenter de contourner ce dispositif de sécurité.

13. CONSERVER CES INSTRUCTIONS

IMPORTANT CLEANING & SERVICING PRECAUTIONS

CLEANING: It is important to keep this appliance clean. **Unplug** and remove the unit from the aquarium. Wipe exposed surfaces carefully with a damp cloth to remove any dust or mineral deposits which may collect over time. Make sure all surfaces are dry before reinstalling.

SERVICING: In order to assure proper electrical connections and polarity, replacement parts and servicing should be performed only by a qualified electrician.

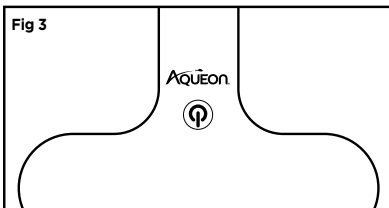
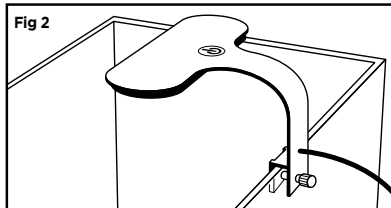
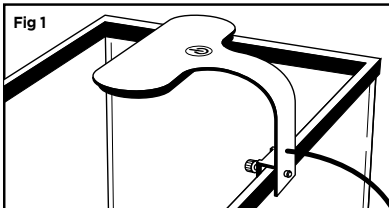
INSTALLATION INSTRUCTIONS

FOR AQUARIUM WITH TOP FRAME (Fig. 1)

1. Ensure glass aquarium cover is properly installed over aquarium.
2. Remove plastic mounting screw from LED light.
3. Place LED light in desired location, making sure the BACK panel of the mounting bracket is flush with the back panel of the aquarium frame.
 - o Always center the fixture so that it provides maximum exposure of light to all aquarium inhabitants.
4. Insert the plastic mounting screw through the FRONT of mounting bracket. Tighten the screw so the LED light is secure on the aquarium.
5. Plug-in LED light into an acceptable outlet. Be sure to incorporate a "drip loop" on the cord.
6. Turn LED light on/off using the touch switch. (Fig. 3)

FOR AQUARIUM WITHOUT TOP FRAME (Fig. 2)

1. Ensure glass aquarium cover is properly installed over aquarium.
2. Remove plastic mounting screw from LED light.
3. Place LED light in desired location, making sure the FRONT panel of the mounting bracket is flush with the front of the glass panel.
 - o Always center the fixture so that it provides maximum exposure of light to all aquarium inhabitants.
4. Insert the plastic mounting screw through the BACK of mounting bracket. Tighten the screw so the LED light is secure on the aquarium.
5. Plug-in LED light into an acceptable outlet. Be sure to incorporate a "drip loop" on the cord.
6. Turn LED light on/off using touch switch. (Fig. 3)



MAINTENANCE

1. Always turn off light fixture and **unplug** from outlet prior to performing any maintenance.
2. Water spray and water scale can create an electrical and fire safety hazard if allowed to collect on fixture. To prevent hazard, use over covered aquarium only and clean fixture regularly. Wipe exterior of fixture down with a clean, freshwater dampened towel. Then dry thoroughly with a second dry towel. Make sure all surfaces are dry before servicing.

LIMITED WARRANTY

Central Aquatics warrants that this product shall be free from defective electrical components due to defects in materials or workmanship for a period of twelve months from the date of purchase. If a defect is shown, Central Aquatics will, at the sole discretion of Central Aquatics, either repair or replace the product without charge. No cash refunds will be made. This warranty is provided solely to the original consumer purchaser of the product and may not be transferred or assigned. You must retain original proof of purchase to validate this warranty.

This warranty does not apply to damage resulting from accident, misuse, abuse, lack of reasonable care, failure to follow safety and installation instructions, use of the product with non-standard electrical service, or any other defect not resulting from defects in the electrical components of the product or defects in materials or workmanship. This warranty will not be effective unless and until the Central Aquatics product is shown to have been used in accordance with the safety and installation instructions accompanying the product, including the requirement that the product be used over a covered aquarium.

THIS CONSTITUTES THE ENTIRE CENTRAL AQUATICS WARRANTY AND CENTRAL AQUATICS MAKES NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT. CENTRAL AQUATICS SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF CENTRAL AQUATICS CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

CENTRAL AQUATICS IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY. CENTRAL AQUATICS EXPRESSLY DISCLAIMS ALL ALLEGED DAMAGES FOR LOSS OF AQUATIC LIFE, PERSONAL INJURY, AND/OR PROPERTY DAMAGE. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state or province.

Central Aquatics shall not have any obligations under this warranty unless the owner notifies Central Aquatics in writing of any alleged defect(s) within 30 days of discovery of the defect(s). Any notice to Central Aquatics must be delivered by United States or electronic mail to one of the following addresses:

U.S. Mail: Central Aquatics - Aqueon, 5401 West Oakwood Park Drive, Franklin, Wisconsin 53132

Electronic Mail: info@Central-Aquatics.com

Central Aquatics shall be allowed a reasonable period of time to investigate any warranty claim and to perform any testing Central Aquatics deems necessary to determine the cause of the defect. This warranty shall be interpreted under the laws of the state of Wisconsin.

For additional information regarding this limited warranty, please contact us at the addresses above, or call us at 888-255-4527.