

Juwel  
Compatible  
HO T5  
Tubes

Controller Used	Length of Bulb	Distance for Connectors
24w	438mm	442mm
28w	590mm	594mm
35w	742mm	746mm
45w	895mm	899mm
54w	1047mm	1051mm
54w (1200mm)	1200mm	1204mm

**Mounting your light in the required position and powering up.**



Place each tube in the clips which you have fitted to the underside of your hood in the colour position that you require (taking table 1 into consideration).



Once they are in position place the cables away from the water and then plug in the waterproof connectors as shown in the image below:

You will see that there is only one way the connectors will align up in position. If the red seal is fully against the male connector proceed to hand tighten the threaded seal until tight.

Once you are happy with the position of the tubes, insert the plugs into the main supply. Make sure your hands are free of any moisture/water.

**Mounting your Aqualumi Controller.**

The IP67 T5 connectors are 2 metres in length. Please make sure that the cables are fully unwound for the T5 tubes to run correctly.

**Connection of the iQuatics water resistant connector cables.**

Ideally your controller will be located next to an adequately rated electricity supply. If connecting to your cabinet please make sure it is out of the way from any direct moisture or evaporation.



**Step 1**

Place the screw on cap onto one end of the tube followed by the rubber seal.

**Step 2**

Align the 2 pins from the end of the tube with the lamp holder holes, make sure the pins line up with the receiving holes and push in the lamp. You will feel them clip into place.

**Step 3**

Tighten the screw cap onto the receiving thread. This will be quite tight due to the material and thread to allow for the watertight seal.

*Under no circumstances should you twist the fluorescent tube, this will cause the pins at the end of your tube to get damaged.*

**Step 4**

Repeat step 1 - 3 on the other end of the tube and on the other bulbs you have in your setup (controllers for more than 1 tube).

*Never connect your lamp holders without the tubes correctly in place.*



CUSTOMER SUPPORT

0845 269 7417

sales@iquatics-online.co.uk



Thank you for purchasing the iQuatics AquaLumi T5 Controller

COMPANY REG 06954492 | VAT REG 978518363

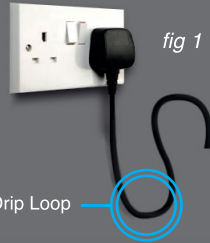
IQUATICS LTD, 19 CHAPEL STREET, CHEADLE, STAFFORDSHIRE MOORLANDS, ST10 1DU

WWW.IQUATICS.CO.UK

# IMPORTANT

Please read the set of instructions carefully before operation.

iQuatics AquaLumi Controller lighting system has been designed and manufactured by industry veterans and we are proud to present you with our latest high quality finished product. Always make sure the instructions are followed precisely; do not operate your appliance if there are any signs of damage or malfunction. If damaged, maintenance should be carried out by the manufacturer or a qualified person. This is to avoid any permanent damage to your fixture.



As with all aquarium electronic equipment, make sure you have a drip loop to prevent the socket or plug from getting wet. A drip loop is required for the timer module too. As shown in (fig 1), opposite, the part of the power cable lying below the level of the socket is used to prevent the water entering the socket.

Make sure your pendant is safely out the reach of children, unless accompanied by adult supervision, as injury may occur from hot parts, the lamp, or moving parts. This pendant should only be used for its intended purpose. It must be installed indoors and not exposed to the weather or freezing temperatures or close to other heat sources.

**\*Power cables and lamp leads all require a drip loop.**

## 1. Lamp installation.

If you ordered fluorescent tubes with your Aqualumi controller, after factory testing, your bulbs were removed and packaged safely to prevent damage in transit.

**Never operate your controller if there is any visible damage to the controller or bulbs on arrival.**

### 1.1. Installation Location.

Ideally your controller will be located next to an adequately rated electricity supply. If connecting to your cabinet please make sure it is out of the way from any direct moisture or evaporation.

### 1.2. Working Specification.

220v - 240v (fluctuation) | Ambient working temperature: maximum +65 degrees C.

Your controller should be installed in dry conditions away from the outside weather and corrosive materials. Frequently maintain your controller by wiping clean of any residue which may have built up over time.

Place on a smooth surface, not directly on top of a material surface as this will increase the running temperature resulting in the ballasts automatic cut off mechanism being activated.

## 2. Replacing your T5 Fluorescents.

Unplug all power cables from your controller and let it cool down fully. Ideally change the bulbs at the time of day at which your lighting is not in use, saving you having to disturb the timing of your aquarium lighting.

Remove your tubes from the clips in your aquarium hood before replacing. Unplug the relevant cable connector from the controller and change the fluorescent tube somewhere that doesn't run the risk of accidentally shattering.

**Fluorescent tubes can be very fragile, be careful when removing the bulb from the packaging.**

Certain specifications of the controllers are supplied with a custom twin power cable which allows you to have some extra control over the timing of different colour tubes you chose to run on your setup.

**TIP** Change the bulbs at the time of day at which your lighting is not in use, saving you having to disturb the timing of your aquarium lighting and ensuring the unit is fully cool.



Depending on the model of controller you have will depend on how many power cables you are supplied with.

Number of Plugs

Controller

Number of Plugs

Plug 1

Plug 2

2x 24w, 39w, 54w

1

Bulb 1+2

n/a

4x 24w, 39w, 54w

2

Bulb 1+2

Bulb 3+4

6x 24w, 39w, 54w

2

Bulb 1+2+5+6

Bulb 3+4

1x 80w

2

Bulb 1

n/a

2x 80w

2

Bulb 1

Bulb 2

3x 80w

1

Bulb 1+3

Bulb 2

Please ensure the correct wattage and colour T5 tube is used in your new controller.

## Mounting your Aqualumi Controller.

### Flat Surface

The controller comes with 4 rubber heat resistant feet, this will keep the controller rigid on a flat surface, if you decide to position the controller this way.

*Note: Make sure your controller is placed on a firm flat surface like your cabinet base. Any carpet or similar fabrics will cause an increase in temperature.*



### Wall mounting your controller

Alternatively you have the option to mount the controller on the side of your aquarium or wherever you feel is best suited (away from moisture).

The aluminium bracket allows the controller to sit flush to the flat surface, the feet will keep an adequate gap for air movement around the controller.

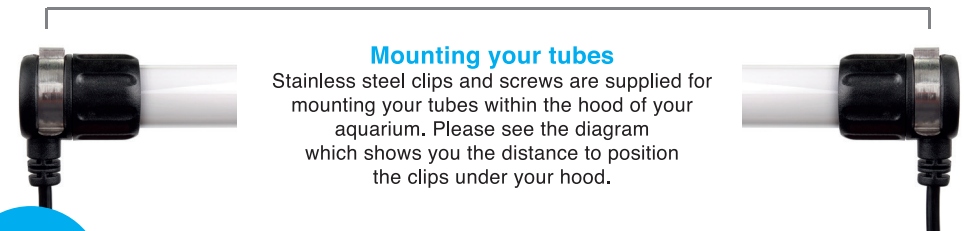


There are 3 screws provided for securing the bracket in place.

Distance (mm)

### Mounting your tubes

Stainless steel clips and screws are supplied for mounting your tubes within the hood of your aquarium. Please see the diagram which shows you the distance to position the clips under your hood.



Standard HO T5 Tubes

Controller Used

Length of Bulb

Distance for Connectors

24w

550mm

554mm

39w

850mm

854mm

54w

1150mm

1154mm

80w

1450mm

1454mm