

AquaLighter Marinescape

Aquarium comes alive!

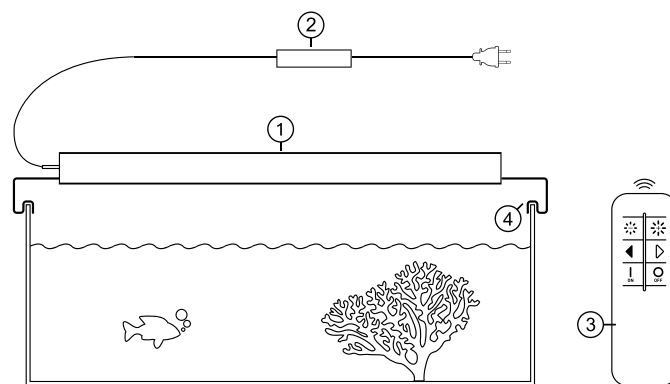


Fig. 1

1. AquaLighter Marinescape lamp
2. The controllable DC driver
3. Remote control with batteries 2pcs (type AAA)
4. Fixtures - 2 pcs

AquaLighter Marinescape LED lamp operating manual

Thank you for purchasing our product.

We are confident that you will be satisfied with the performance of the lamp. To avoid the problems associated with its operation, please carefully read this manual.

Purpose of the product and its characteristics

LED lamp AquaLighter Marinescape of a PROFI class is intended to operate above the water level and serves to illuminate marine and marine imitation aquariums with a glass thickness of up to 12mm. The super-bright high reliable new generation LEDs manufactured by OSRAM (Germany) are used as a light source in the AquaLighter Marinescape lamp.

Unlike fluorescent aquarium lamps, AquaLighter Marinescape light creates a three-dimensional picture of the aquarium perception, simulating natural sunlight at the reef at noon. The specially selected range of LEDs helps to successfully contain the majority of species of marine animals. This makes it possible to transmit a true picture of the colors of corals and fish in the aquarium, as close as possible to the one in a natural habitat.

The lamp uses a 2-channel scheme of light sources which can be controlled via a remote control. Now you can change the brightness of light as well as color temperature from cool white light to blue.

The light channels in the lamp AquaLighter Marinescape are:

1. "Blue" channel - blue LEDs (Blue 465nm) and deep blue LEDs (Deep Blue 450nm).
2. "Cool White" channel - LEDs with a color temperature of 6500K, and blue LEDs (Blue 465nm).

Specifications of AquaLighter Marinescape lamps:

Parameters:	Types:	30 cm	60 cm	90 cm
Voltage + frequency		AC110-230V [50-60Hz] / DC 12-36V, 350mA	AC110-230V [50-60Hz] / DC 12-36V, 700mA	AC110-230V [50-60Hz] / DC 12-36V, 1050mA
Light temperature, K		10000 - 14000		
Power, Watt		10	20	30
Luminous flux, Lum		540	1150	1720
Dimensions, mm		280x52x13	580x52x13	880x52x13
Ingress protection rating		IP 40	IP 40	IP 40

Body color: Black

Remote Control Functions (see Figure 2):

1. Turn on/off the lamp
2. Change the color temperature of light from 10000K to blue light with wavelength of 455-460 nm
3. Change the brightness from 10% to 100%

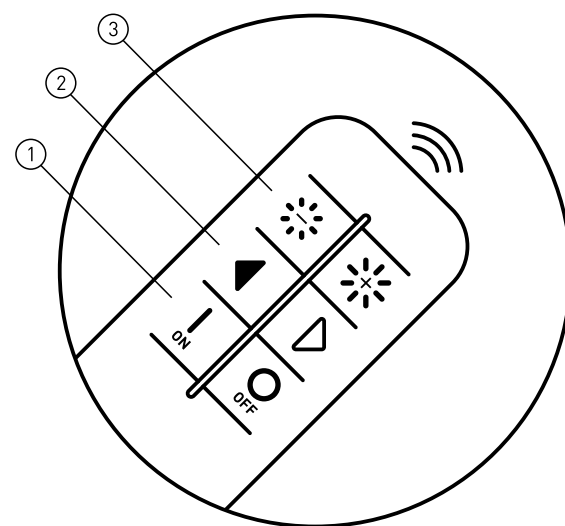


Fig. 2

The remote control transmits signal using radio channel and can be used at a distance of up to 10m. With the remote, you can control multiple lights simultaneously. The remote control is powered by 2 batteries (type AAA, included).

The lamp power is managed by means of a DC driver. Another way of turning on/off the lamp is with the help of an external timer (electronic or mechanical). The lamp will "remember" user settings before being turned off. When timer reactivates, the lamp will automatically maintain the brightness level that was set at the time of the turn-off.

Attention! If the remote control is lost, the lamp will keep functioning with the last predefined user settings! For the further correct and full use all of the lamp's features, refer to the manufacturer for a new remote control (sold separately).

Use of a single remote control to operate two or more lamps at once

If you need to control the operation of 2 or more lamps with one remote control, you need to coordinate the work of controllable DC drivers of all of the additional lamps with the remote control.

To do this:

1. Turn off the power of the first light by unplugging it.
2. Plug in the second lamp (both channels of the lamp should be on with a brightness level of 100%).
3. Press the "On" button on the remote control 3 times, and then press the "Off" button 2 times, all at an interval of 1 second. The lamp will be turned on and off alternately (indicating the process of the coordination with the remote control).
4. Make sure that the controllable DC driver of the lamp and remote control are linked correctly-check all functions of the lamp using the remote control. If the link has not been established correctly, repeat the procedure described in paragraph 3.
5. Plug in the first lamp into the power outlet now both lamps are controlled by a single remote control!
6. For each subsequent lamp, repeat procedures (paragraphs 1-5).

Dismantling and Utilization

You cannot dispose of electrical appliances that are out of order into regular garbage. Proper selection, collection, and utilization of this type of waste will contribute to preserving the valuable resources of the environment. The user is held liable for delivery of the used equipment to the special collecting point where it will be accepted free of charge.

Safety Usage Rules

The device you have purchased is manufactured in compliance with the norms applicable on the territory of Ukraine and the European Union. For long lasting and safe usage, please do study the safety rules listed below:

1. This device is designed to be used only within indoor areas and only for its intended use.
2. The voltage rating of the power supply system has to be exactly the same as the voltage rating indicated on the device.
3. It is forbidden to submerge the device in water! Even a short time submersion of the device in water can cause damage and can lead to loss of warranty obligations. If the device happened to be accidentally submerged in water, it is strictly forbidden to connect it to power supply! If such situations arise, please contact the manufacturer's technical support department for the repair and further safe usage of the device.
4. The lamp is not intended to be mounted under the aquarium cover.
5. It is forbidden to use the device if the device or its electrical cord is damaged. It is recommended to check the condition of the electrical cord each time before switching it on.
6. Before you switch on the illumination lamp, please make sure it is fixed safely on the walls of the aquarium.

Preparation for Work

Take off the protective film from the illumination lamp. Fasten the feet into the body of the illumination lamp as shown in Fig. 1.

Assembly and Startup

Place the illumination lamp on the aquarium, moving the feet into the body of the device until you reach the necessary length. Having fixed the illumination lamp safely on the walls of the aquarium, plug in the plug of power supply cord into the power supply socket situated on the illumination lamp. The device is ready for use. Connect the power supply block to the household electrical outlet. Set up the desired brightness level and color temperature using the remote control.

Maintenance

The device does not require any special maintenance. If necessary, clean off residues resting on the body of the illumination lamp with the help of soft tissue or a sponge.

Warranty

The manufacturer gives a warranty of 24 months from the purchase date. The warranty covers damages that appeared due to the fault of the manufacturer, i.e., material defects, etc. The warranty does not cover damages that appeared due to the improper or unintended use of illumination lamp.

Attention! Any trials to change the structure of the device, or dismantling of the device, that fall out of the scope of regular intended use or maintenance lead to loss of warranty obligations.

In case improper functioning of the device is detected please contact technical support. The present warranty conditions do not exclude, limit, or cease the rights of the buyer guaranteed by the applicable legislation of Ukraine and the European Union.