

Led lighting aquariums with their hands

The aquarium is one of the most impressive decorations of any interior and he can not do without lighting. This article will focus on covering the aquarium with your own hands and make it very simple not even experienced with using led strips or just LEDs. The contents In the water column formed its own ecosystem it's based on working relationships between aquatic plants microorganisms and other creatures. Fish the last link of this ecosystem but they need additional source of energy kind of development, reproduction and activation of the growth of aquatic plants plays a role in the world. To illuminate the tank taken from the top of pleasant, soft light pleasing to the eye. Fish are playful and active and in good light, their scales gleaming with all the colors of the rainbow. However, due to violations, the eco-balance which depends on clean water and lighting in the aquarium can happen. Water sometimes can bloom and become dull green not the light stimulates the growth of unicellular green algae. When fish live in muddy water they do not have enough oxygen the lack of oxygen in excess of the world. Should turn off the light after 10 hours of continuous work while you artificially do a 10 hour day and the rest of the night. Remember the aquarium needs to be a filter and good lighting. It is not necessary to use a permanent light red green blue other because it brings harm to the inhabitants of the aquarium. It is usually recommended to have a led lamp with a power of 1 Watt but the amount of water in a home aquarium can be from 20 litres up to 2 tonnes. Complex formulas for the calculation of lighting in an aquarium is not. Practice shows that 200 gallon tank enough led strips from 25-40 bulbs or 3 Watt. Aquarists claim that the 05 W per gallon of water optimal formula but it's not exactly the higher and deeper the aquarium the harder it is to illuminate the whole water thickness to the bottom. These characteristics can also be determined visually with all the plants it needs to be evenly lit at the bottom. Demersal fish and snails need less light but the plant pulls smoothly up. The fish themselves will determine where they will be more comfortable at the bottom or closer to the surface but plants are more sensitive and demanding towards the light for photosynthesis. A large aquarium with lighting Best visual effect the light gives to the aquarium from the front and above the front wall. To optimize the energy consumption set the electric timer, or a device for automatic shutdown. They produce light switching without human intervention which is convenient. Led bulbs not so long ago went to the world of aquariums and quickly took the lead lighting. This is due to the many characteristics and these

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