

BOOSTER 180M

AQUARIUM LED LIGHTING SYSTEM

INSTALLATION, OPERATING AND MAINTENANCE MANUAL

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1. INTRODUCTION

Dear customer, we kindly invite you to read this manual carefully prior to using the product. This will help you to make the most of its capabilities and protect yourself and others against potential harm.

2. COPYRIGHT

The contents of this manual may be modified by the manufacturer without prior notice or further obligations, for the purpose of including variations and improvements. It is forbidden to reproduce or to translate any part of this manual without the manufacturer written authorisation. The manufacturer reserves the right to modify, to cancel or to change in another way the data contained herein at any time and for any reason without prior notice, since the manufacturer is constantly seeking to find new solutions for improving its products. We therefore reserve the right and duty to modify the products supplied with regard to their shape, equipment and technology.

3. PRESENTATION AND WARRANTY

Thank you for purchasing our product, which is manufactured in conformity to the most stringent regulations and technical specifications aimed of guaranteeing its practical and safe use.

BOOSTER 180M is a technologically advanced product capable of meeting functional, aesthetic and even energy saving requirements.

The appliance is designed and manufactured entirely in Italy using sturdy, top-grade materials.

BOOSTER 180M is designed to fully meet the needs of your marine aquarium.

The manufacturer guarantees its products for 24 months, in conformity to the current legislation.

Any interventions covered by warranty shall be carried out exclusively at the manufacturer's premises.

Transport and redelivery of the equipment shall be borne by the customer.

The manufacturer declines all responsibility for the product's defective operation and, therefore, the warranty shall not cover:

- assembly, modifications and repairs not carried out by a technician of the GNC technical assistance service or by authorised GNC personnel;
- improper use of the product in relation to its intended use, regulations and operating instructions.

The purchase document (invoice or tax receipt) must be stored and the product must be registered on our site, www.gncitalia.it, in order to activate the warranty.

4. SAFETY PRECAUTION

Carefully read the precautions contained in this manual, as they provide useful information concerning safe installation, use and maintenance of the product.

4.1 CLASSIFICATION AND INTENDED USE

It is a Class I LED lighting system with IP protection rating greater than X6, secured permanently and suitable for normal use.

4.2 ENVIRONMENTAL CONDITIONS

During the appliance's operation, the room temperature must be between 10°C and 30°C, and the atmospheric pressure must be between 700 hPa and 1060 hPa.

4.3 TECHNICAL SAFETY CONDITIONS

Safe use and workmanlike operation of the appliance is ensured if:

- the lamp is not inadequately stressed and the connection to the chosen mounting bracket is tightened.
- the electrical circuit of the relevant rooms have been installed in a workmanlike manner and conform to the regulations in force in the country of use;
- modifications to the appliance or maintenance work are carried out by personnel authorised by GNC;
- the appliance has been mounted and started up correctly in accordance with the instructions provided. Do not stare directly at LEDs when they are switched on and avoid placing reflective objects near them so as to prevent the risk of glare and damages due to artificial optical radiation.

Do not touch with bare hands the metal part of the device as it is a hot surface. Do not rest on or place any objects on the appliance's body, and do not hang any objects on its body, as this may alter the appliance's positioning making it unsafe. The appliance must not be covered during its operation, as this may hamper the exchange of heat with the environment, causing parts of the appliance to over-heat. The appliance must be correctly positioned so that not jeopardize its stability.

4.4 ENVIRONMENTAL NOTES

Pursuant to Art.13 of Italian Legislative Decree n. 151 of 25 July 2005 "Implementation of Directives 2002/95 / EC, 2002/96 / EC and 2003/108 / EC, regarding the reduction of the use of hazardous substances in electrical and electronic equipment and waste disposal", the appliance is regarded as "Waste Electrical and Electronic Equipment" (WEEE). The following symbol indicates that, at the end of its working life, the product must not be disposed of together with urban waste but must be separated from other products and delivered to authorised waste collection facilities. Sorted waste collection for the subsequent recycling, treatment and environmentally compatible scrapping of the product contributes to preventing potentially negative effects on the environment and human health and promotes the reuse and / or recycling of its constituent materials. Unlawful disposal of the product by the user is punishable by the administrative sanctions specified in (Italian) Decree Law no. 22/1977 (Art. 50 et seq. Legislative Decree no. 22/1997).



5. DESCRIPTION OF THE APPLIANCE

The appliance is designed to be fixed to a special structure provided above the tank. The assembly has been designed in order to reduce installation time.

The electrical connections are all on connector to better manage the installation and the eventual technical assistance.

The device consists of:

- Lamp body complete with stainless steel fixing bracket
- Power supply

6. INSTALLATION

- The lamp is provided with stainless steel bracket for fixing to specially prepared structure above the tank, or wall. It is recommended to use fastening accessories suitable for the weight of the device. The power supply can be attached to the lamp body. In this case the whole device is grounded.

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7. MAINTENANCE AND CLEANING

The device does not require any special maintenance. Use a non-abrasive cloth wetted with water to clean the clear silicon lens and cooling aluminium.

It is recommended to clean the silicon lens regularly to remove traces of sea salt. Proceed with cleaning with headlight off and dry the lens after cleaning.

It is forbidden to use any solvent, alcohol or substance other than water, otherwise the product will be permanently damaged.

The use of cloths or other abrasive materials of any kind on the surfaces of the lamp and its accessories is prohibited.

8. TECHNICAL DATA

Dimensions 256x205x174 mm

LED Power 180W

Power supply 100-305Vac 47/63 Hz

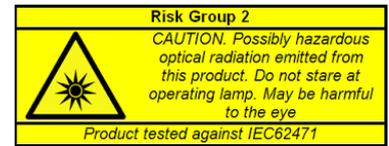
Suppression filter PFC active

DISSIPATION Passive

MATERIALS Anodized aluminium - stainless steel AISI316

REEF BLUE LED 455nm

MARINE WHITE LED 6500 K > 80 CRI



Designed and produced in Italy by GNC S.r.l.



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