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› fishkeeper FK012-12W Aquarium LED Light Instruction Manual

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Model: FK012-12W

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your fishkeeper FK012-12W Aquarium LED Light. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

The fishkeeper FK012-12W is a full-spectrum LED light designed for aquariums, featuring a built-in timer with a 24/7 mode, high-quality aluminum alloy construction for efficient heat dissipation, and extendable brackets for versatile mounting. It is rated IP68 waterproof, offering protection against water splashes, but should not be fully submerged.

IMPORTANT SAFETY INSTRUCTIONS

- Always unplug the light from the power outlet before performing any maintenance or cleaning.
- Do not operate the light if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged.
- This product is designed for indoor use only.
- The light is IP68 waterproof, meaning it is protected against immersion up to 1 meter for 30 minutes. However, it is recommended to avoid prolonged submersion and direct water jets to prevent potential damage.
- Ensure the power supply voltage matches the product's requirements (220-240V AC).
- Keep out of reach of children.
- Do not attempt to disassemble or repair the light yourself. Contact qualified personnel for service.

WHAT'S IN THE BOX

- 1 x fishkeeper FK012-12W Aquarium LED Light
- 2 x Extendable Brackets (for aquariums 30-45cm)
- 1 x Power Adapter with Controller

SETUP INSTRUCTIONS

1. **Unpack the Light:** Carefully remove all components from the packaging. Inspect the light and accessories for any damage.
2. **Attach the Brackets:** Slide the two extendable brackets onto each end of the light fixture. Ensure they are securely attached.
3. **Position the Light:** Place the light fixture on top of your aquarium. Adjust the extendable brackets to fit the width of your aquarium (suitable for 30-45cm tanks). Ensure the light is stable and centered over the aquarium.
4. **Connect Power:** Plug the power adapter into the light fixture, then plug the adapter into a suitable power outlet (220-240V AC). Ensure a drip loop is formed with the power cord to prevent water from running down to the outlet.

DREI FARBLICHTMODI



Modus 1 Weiß & Rot & Grün (einmal drücken)



Modus 2 Blau (zweimal drücken)



Modus 3 Weiß & Blau & Rot & Grün (dreimal drücken, alle LED leuchten)



Image: The fishkeeper FK012-12W Aquarium LED Light with its extendable brackets, ready for installation on an aquarium.



Image: Close-up view of the light fixture, illustrating the dimensions and how the brackets attach to the ends of the light bar.

OPERATING INSTRUCTIONS

The fishkeeper FK012-12W Aquarium LED Light features an integrated controller for managing light modes, brightness, and timer functions.

Controller Overview

10 STUFEN DER LICHTHELLIGKEIT EINSTELLBAR

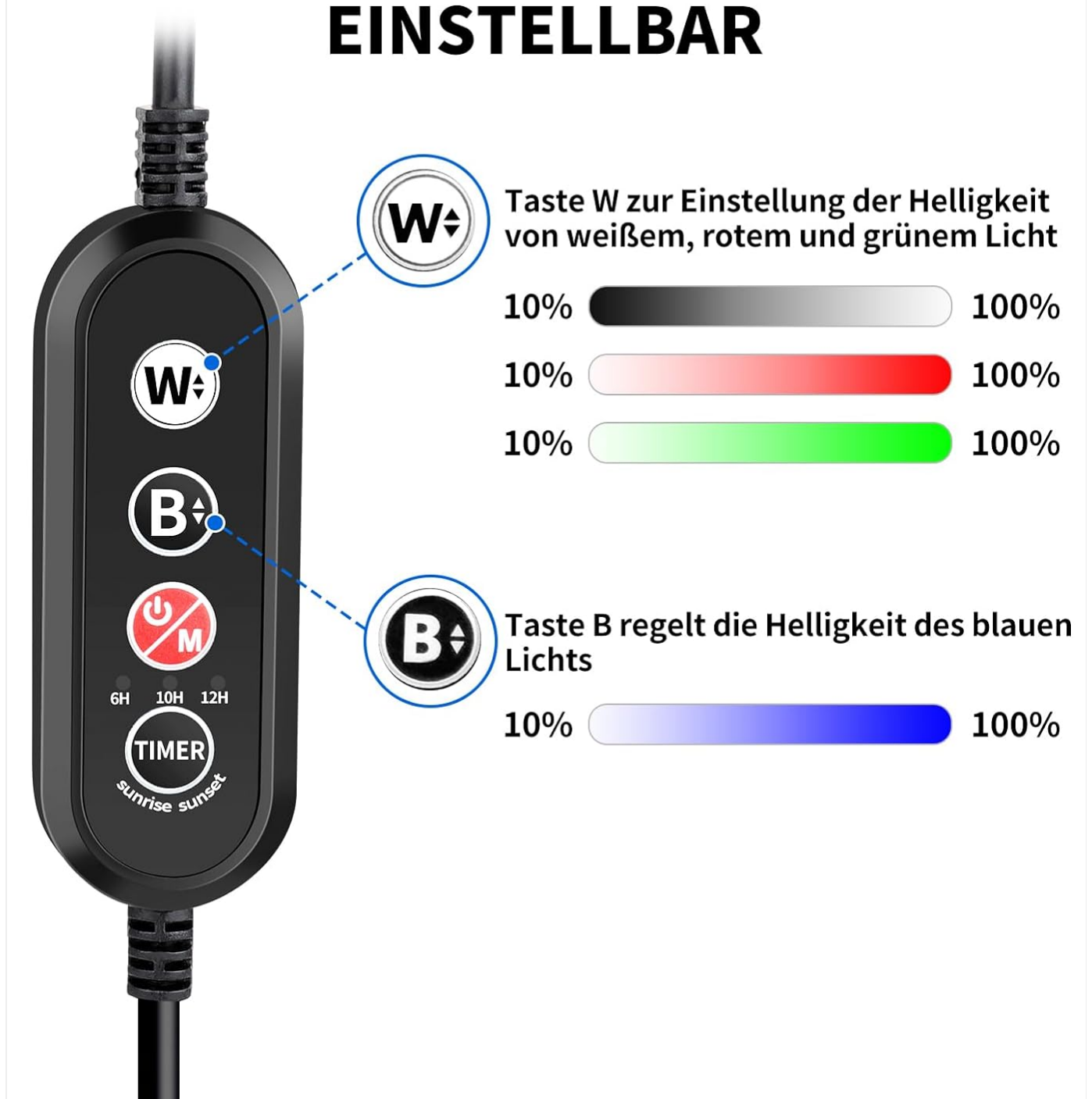


Image: The inline controller with buttons labeled 'W' (White light), 'B' (Blue light), Power/Mode, and 'TIMER' (with 6H, 10H, 12H, and sunrise/sunset indicators).

- **Power/Mode Button:** Press once to turn on/off. Long press to cycle through different light color modes.
- **"W" Button (White Light):** Adjusts the brightness of the white, red, and green LEDs.
- **"B" Button (Blue Light):** Adjusts the brightness of the blue LEDs.
- **"TIMER" Button:** Sets the operating duration or activates the 24/7 mode.

Light Color Modes

The light offers three distinct color modes:

1. **Mode 1: White, Red & Green Light (Full Spectrum)** - Press the Power/Mode button once. This mode provides a balanced spectrum for plant growth and vibrant fish colors.
2. **Mode 2: Blue Light (Moonlight)** - Press the Power/Mode button a second time. This mode simulates moonlight, creating a calming atmosphere.
3. **Mode 3: White, Blue, Red & Green Light (All LEDs On)** - Press the Power/Mode button a third time. This mode utilizes all LEDs for maximum brightness and a comprehensive spectrum.

IP68 WASSERDICHT

IP68 wasserdichte Bewertung, das Licht fällt versehentlich in das Aquarium kann noch verwendet werden. Aber bitte nicht das Licht in das Wasser setzen die ganze Zeit.



Image: Visual representation of the three light modes: Mode 1 (White, Red & Green), Mode 2 (Blue), and Mode 3 (All LEDs), demonstrating their appearance in an aquarium.

Brightness Adjustment

Both white (W) and blue (B) light components can be adjusted across 10 brightness levels (10% to 100%).

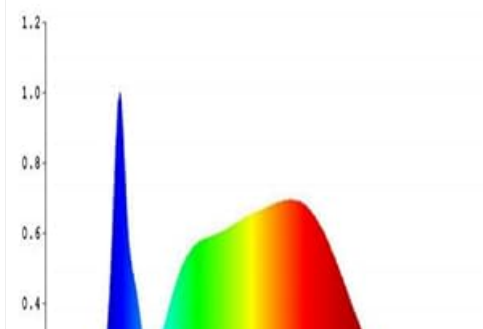
- **"W" Button:** In Mode 1 or Mode 3, repeatedly press the "W" button to cycle through 10 brightness levels for the white, red, and green LEDs.

- **"B" Button:** In Mode 2 or Mode 3, repeatedly press the "B" button to cycle through 10 brightness levels for the blue LEDs.

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: fishkeeper			
Anschrift des Lieferanten: MIHA, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 Bucuresti Sectorul 2, Romania			
Modellkennung: FK012-12W			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Umgebündelt oder gebündelt:	N/DLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	AC		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blickschutzschild:	Nein	Dimmbar:	Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	12	Energieeffizienzklasse	E
Nutzlichtstrom (Φuse) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	1 320 in breiter Kugel (120°)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	6 500
Leistungsaufnahme im Ein-Zustand (P _{in}) in W	12,0	Leistungsaufnahme im Bereitschaftszustand (P _{in}) in W, auf die zweite Dezimalstelle gerundet	-
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{in})	-	Farbwiedergabeindex, auf die	82
		nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
		für CLS in W, auf die zweite Dezimalstelle gerundet	
Jühere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe: 251 Breite: 90 Tiefe: 14	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast	Siehe Bild auf letzter Seite
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)	-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
		Farbwertanteile (x und y)	0,336 0,324
Parameter für LED- und OLED-Lichtquellen:			
Wert des R9-Farbwiedergabeindex	16	Lebensdauerfaktor	0,97
Lichtstromerhalt	0,97		
Parameter für LED- und OLED-Netzspannungslichtquellen:			
Verschiebungsfaktor (cos φ1)	0,93	Farbkonsistenz in MacAdam-Ellipsen	4
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.	- ^(b)	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)	0,1	Messgröße für Stroboskop-Effekte (SWM)	0,1

(a) „-“: nicht zutreffend,
(b) „-“: nicht zutreffend.

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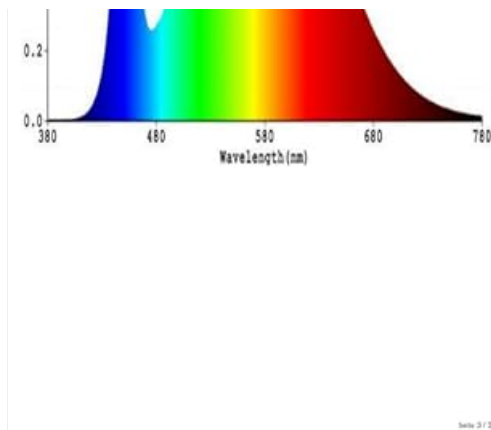


Image: The controller illustrating how the 'W' and 'B' buttons adjust brightness, with visual scales from 10% to 100% for each light type.

Timer and 24/7 Mode

The "TIMER" button allows you to set the operating duration or activate the automatic 24/7 day/night cycle.

- **Timed Operation:** Press the "TIMER" button to select a fixed duration: 6 hours, 10 hours, or 12 hours. The light will operate for the selected period and then turn off.
- **24/7 Day/Night Cycle:** Continue pressing the "TIMER" button until the "sunrise/sunset" indicator is lit. This mode simulates a natural day and night cycle over 24 hours, gradually changing light intensity and color to mimic dawn, daylight, dusk, and moonlight.

Fiche d'information sur le produit				
RÈGLEMENT DÉLÉGUÉ (UE) 2019/2015 DE LA COMMISSION en ce qui concerne l'étiquetage énergétique des sources lumineuses				
Nom du fournisseur ou marque commerciale: fishkeeper				
Adresse du fournisseur: MIHA, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 București Sectorul 2, Romania				
Référence du modèle: FK012-12W				
Type de source lumineuse:				
Technologie d'éclairage utilisée:	LED	Non-dirigée ou dirigée:	N/LS	
Type de culot de la source lumineuse (ou d'autre interface électrique)	AC			
Secteur ou non secteur:	MLS	Source lumineuse connectée (SLC):	Non	
Source lumineuse réglable en couleur:	Non	Enveloppe:	-	
Source lumineuse à luminance élevée:	Non			
Protection anti-éblouissement:	Non	Utilisation avec un variateur:	Non	
Paramètres du produit				
Paramètre	Valeur	Paramètre	Valeur	
Paramètres généraux du produit:				
Consommation d'énergie en mode marche (kWh/1000 h), arrondi à l'entier supérieur le plus proche	12	Classe d'efficacité énergétique	E	
Flux lumineux utile (lumen), avec indication qu'il se réfère au flux dans une sphère (360°), dans un cône large (120°) ou dans un cône étroit (90°)	1 320 sur Cône large (120°)	Température de couleur proximale, arrondie à la centaine de K la plus proche, ou la plage de températures de couleur proximales qui peuvent être réglées	6 500	
Puissance en mode «marche» (P _{act}), exprimée en W	12,0	Puissance en mode veille (P _{st}), exprimée en W et arrondie à la deuxième décimale	-	
Puissance en mode veille (P _{st}), pour SLC, exprimée en W et arrondie à la deuxième décimale	-	Indice de rendu des couleurs, arrondi à l'entier le plus proche, ou la plage de valeurs d'IRC qui peuvent être réglées	82	
Dimensions extérieures en mm, sans appareillage de commande séparé, éléments de régulation de l'éclairage ni éléments sans fonction d'éclairage (le cas échéant)		de valeurs d'IRC qui peuvent être réglées		
Hauteur	251	Distribution de la puissance spectrale dans la plage de 250 nm à 800 nm, à pleine charge	Voir l'image de la page précédente	
	Largeur			90
	Profondeur			14
Déclaration de puissance équivalente ⁴⁾	-	Si oui, puissance équivalente (W)	-	
		Coordonnées chromatiques (x et y)	0,316 0,324	
Paramètres pour les sources lumineuses LED et OLED:				
RS valeur de l'indice de rendu des couleurs	16	Facteur de survie	0,97	
Facteur de conservation du flux lumineux	0,97			
Paramètres pour les sources lumineuses secteur LED et OLED:				

Facteur de déphasage (cos φ1)	0,93	Constance des couleurs dans les ellipses de MacAdam	4
Déclaration qu'une source lumineuse LED remplace une source lumineuse fluorescente sans ballast intégré d'une puissance en watts particulière	..0	Si oui, déclaration relative au remplacement (W)	-
Mesure du papillotement (Pst LM)	0,1	Mesure de l'effet stroboscopique (SVM)	0,1

a): sans objet;
b): sans objet;

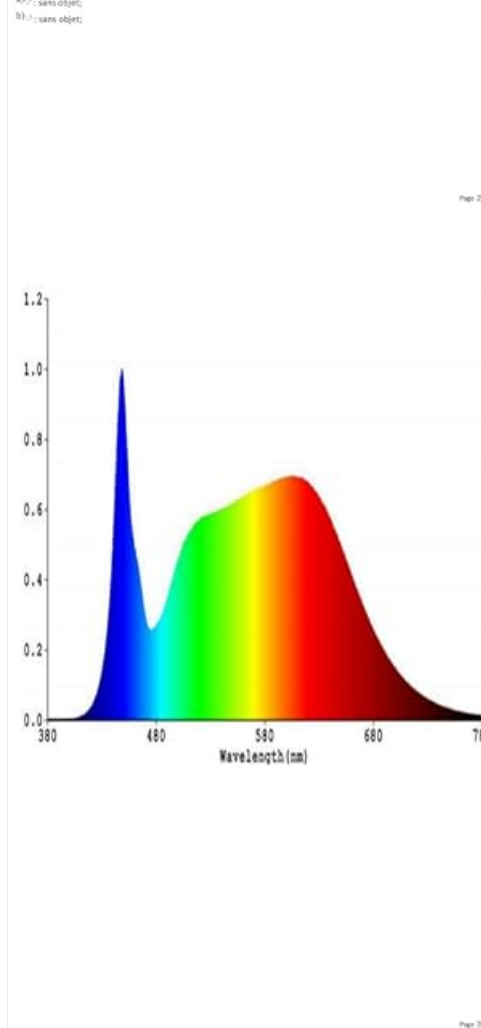


Image: The controller's timer section, detailing the 6H, 10H, 12H options, and the 24/7 mode with a graphical representation of a day/night cycle.

Your browser does not support the video tag.

Video: This video demonstrates the installation and various operating modes of the fishkeeper aquarium light, including the 24/7 day/night simulation.

MAINTENANCE

- **Cleaning:** Regularly wipe the light fixture with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **Water Exposure:** While the light is IP68 waterproof, it is designed to resist splashes and accidental immersion, not continuous submersion. Avoid direct water jets or prolonged exposure to high humidity to prevent internal damage.
- **Heat Dissipation:** The aluminum alloy housing is designed for efficient heat dissipation. Ensure the light is not covered or obstructed to allow proper airflow and prevent overheating.
- **Cable Inspection:** Periodically check the power cord and plug for any signs of damage. If damage is found, discontinue use and contact customer support.

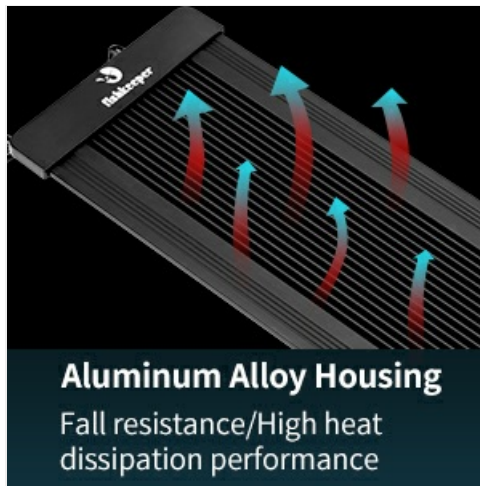


Image: Diagram illustrating the aluminum alloy housing and its function in dissipating heat from the LED light fixture.

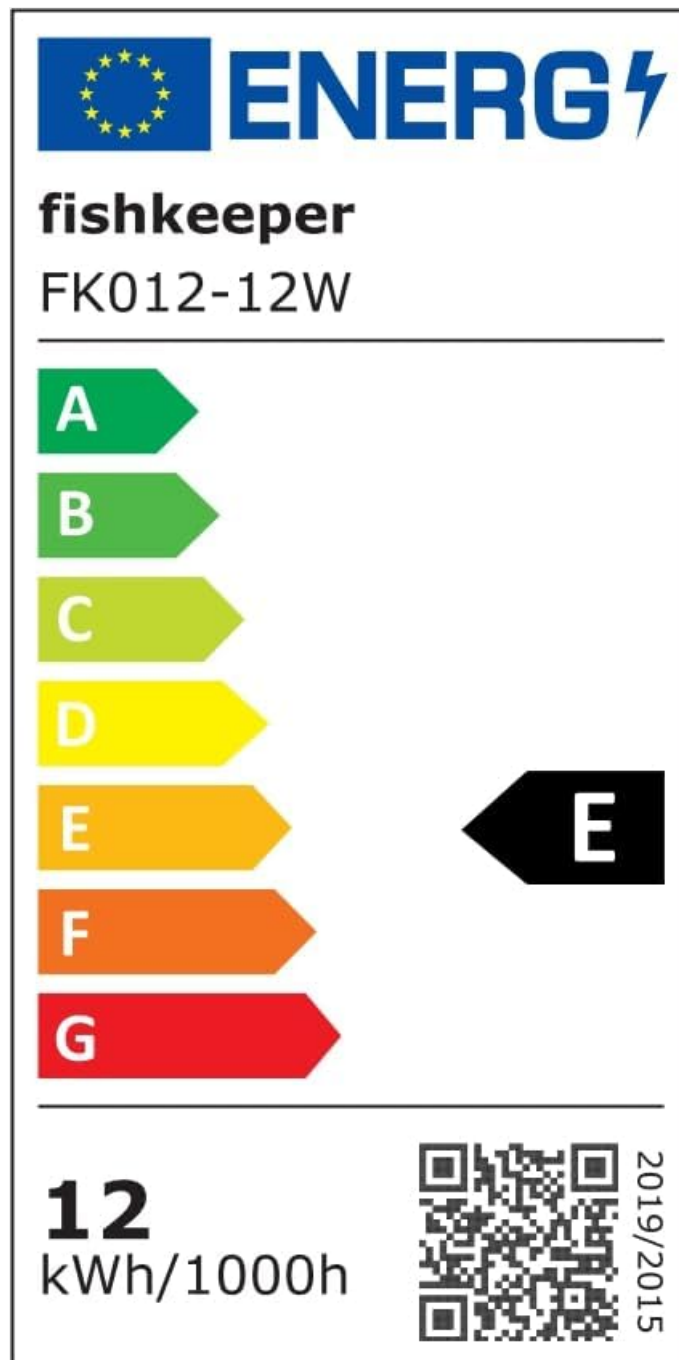


Image: The light fixture positioned above an aquarium, highlighting its IP68 waterproof rating and emphasizing that it should not be continuously submerged.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none">Power cord not properly connected.Power outlet not working.Light is in timer mode and has completed its cycle.Damaged power adapter or light fixture.	<ul style="list-style-type: none">Check all power connections.Test the outlet with another device.Press the Power/Mode button to turn on manually or reset the timer.Contact customer support if damage is suspected.
Light flickers or dims unexpectedly.	<ul style="list-style-type: none">Loose connection.Power fluctuations.Internal component issue.	<ul style="list-style-type: none">Ensure all connections are secure.Try plugging into a different outlet or using a surge protector.Contact customer support.
Timer function not working correctly.	<ul style="list-style-type: none">Incorrect timer setting.Power interruption.	<ul style="list-style-type: none">Re-set the timer according to the operating instructions.Ensure continuous power supply.
Water inside the light fixture.	<ul style="list-style-type: none">Prolonged exposure to direct water spray or submersion.Seal integrity compromised.	<ul style="list-style-type: none">Immediately unplug the light. Do not use.Contact customer support for assistance.

SPECIFICATIONS

Feature	Detail
Brand	fishkeeper
Model Number	FK012-12W
Power (Wattage)	12.00 W
Voltage	230 Volts (AC)
Light Type	LED
Number of LEDs	24
Color Temperature	6500K
Color Rendering Index (CRI)	80.2
Material	Aluminum
Finish Type	Matte

Feature	Detail
Product Dimensions (D x W x H)	9.5P x 25.5l x 1.6H cm (3.74 x 10.04 x 0.63 inches)
Item Weight	440 Grams
Control Method	Touch (via inline controller)
Waterproof Level	IP68
Mounting Type	Table Mount (with extendable brackets)
Energy Label	E
EPREL Database Link	https://eprel.ec.europa.eu/qr/1669802



Image: Detailed view of the LED array, indicating 24 LEDs, color distribution, 6500K color temperature, 85.7 Ra, 80.2 CRI, 220-240V voltage, and 12W power.



Image: European Union energy label for the fishkeeper FK012-12W aquarium light, displaying an energy efficiency class of E and energy consumption of 12 kWh per 1000 hours.

WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims, technical support, or any questions regarding your fishkeeper FK012-12W Aquarium LED Light, please contact the retailer or manufacturer directly. Retain your proof of purchase for any warranty-related inquiries.

