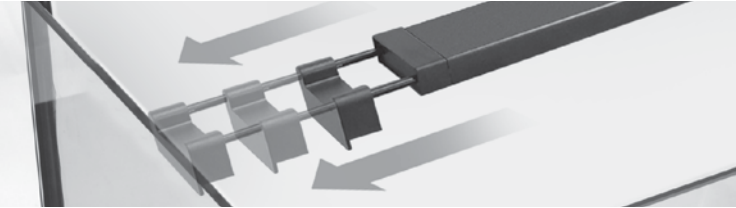


INSTALLATION:

Please verify that all components of the light fixture are undamaged before putting it into operation. Before any kind of maintenance, always disconnect electrical supply of the light fixture.

- Make sure the light fixture is mounted correctly and securely positioned on the aquarium before operating the appliance.
- Always ensure that the brackets are on the outside of the aquarium frame. If needed, the extendible mounting brackets can be adjusted accordingly to ensure proper fit on aquarium.
- Connect transformer to electrical supply.



DIMMABLE LED WITH ILLUMINATED TOUCH SWITCH CONTROL:



**Illuminated Touch Switch:** Switch changes color to indicate the different settings: off (red illumination), all lights on (white illumination), Blue lights only (blue illumination), Bluetooth mode (green illumination).

**Dimming Feature:** Lighting intensity can be dimmed on both the white illumination setting (all lights on) or the blue illumination setting (only blue lights on) by depressing the switch and keeping finger on it until preferred lighting intensity is reached. **NOTE:** Once dimming intensity level is chosen it will remain fixed at that level, even if fixture is turned off. To change the intensity level it is necessary to manually depress and hold down the switch.

MAINTENANCE:

For maximum LED performance, it is recommended that the fixture and the LED lens be cleaned on a weekly basis. Unplug transformer prior to cleaning the light fixture and remove from aquarium. Use both hands when manipulating this appliance. Wipe exposed surfaces carefully with a damp cloth to remove any dust or mineral deposits that may collect over time. Do not use detergents or harsh cleaners as it can damage the light fixture. Use Fluval LED Lens Cleaning Non-Aerosol Spray (A3969) to clean the LED portion of the light fixture. Make sure all surfaces are dry before re-connecting the transformer to the power source.

BASIC TROUBLE-SHOOTING:

If the fixture does not work, ensure that all plugs and wires are firmly connected, ie: connection from fixture to transformer, and connection from transformer to electrical outlet.

Model:	14521	14522	14523
Input Volts:	100-240 V	100-240 V	100-240 V
Operating Volts	24 V	24 V	24 V
Size Adjustment:	24- 34" (61 - 85 cm)	36 - 48" (91 - 122 cm)	48 - 60" (122 - 153 cm)
No. of LEDs:	168	252	336
Wattage:	32	46	59
Lumens:	2350	3300	4250
Life in Hours	50 000	50 000	50 000

WARRANTY

3 YEAR LIMITED WARRANTY

Your **Fluval Plant Spectrum LED** is guaranteed for defective parts and workmanship for a period of three years from the date of purchase. This guarantee is valid with proof of purchase only. The guarantee is limited to repair or replacement only and does not cover consequential loss, loss or damage to livestock and personal property or damage to animate or inanimate objects, irrespective of the cause thereof. This guarantee is valid only under normal operating conditions for which the unit is intended. It excludes any damage caused by unreasonable use, negligence, improper installation, tampering, abuse or commercial use. The warranty does not cover wear and tear or parts which have not been adequately or correctly maintained. Failure of less than 5% of the total number of LEDs shall not be considered a defect under the terms of this warranty. **THIS DOES NOT AFFECT YOUR STATUTORY RIGHTS.**

FOR AUTHORIZED WARRANTY REPAIR SERVICE:

For Authorized Warranty Service please return (well packaged and by registered post) to the address below enclosing dated receipt and reason for return. If you have any queries or comments about the operation of this product, please let us try to help you before you return the product to your retailer. Most queries can be handled promptly with a phone call. When you call (or write), please have all relevant information such as model number, age of product, details of aquarium set-up, as well as the nature of the problem.

**CANADA:** Consumer Repair, Rolf C. Hagen Inc., 20500 Trans Canada Hwy, Baie d’Urfé, QC H9X 0A2  
**U.S.A.:** Rolf C. Hagen (U.S.A.) Corp., 305 Forbes Blvd, Mansfield, MA. 02048  
**UK:** Rolf C. Hagen (UK) Ltd, Customer Service Department California Drive, Whitwood Ind Est., Castleford West Yorkshire WF10 5QH <http://faq.hagencrm.com/?uk>

CALL US ON OUR TOLL-FREE NUMBER:

**CANADA ONLY:** 1-800-554-2436 between 9:00 a.m. and 4:30 p.m. Eastern Standard Time.  
Ask for Customer Service.  
**U.S. ONLY:** 1-800-724-2436 between 9:00 a.m. and 4:00 p.m. Eastern Standard Time.  
Ask for Customer Service.  
**U.K. ONLY:** Helpline Number 01977 521015. Between 9:00 AM and 5:00 PM, Monday to Thursday and 9:00 AM and 4:00 PM on Friday (excluding Bank Holidays).