



Osmo UV LED Instruction Manual

Please read instructions carefully

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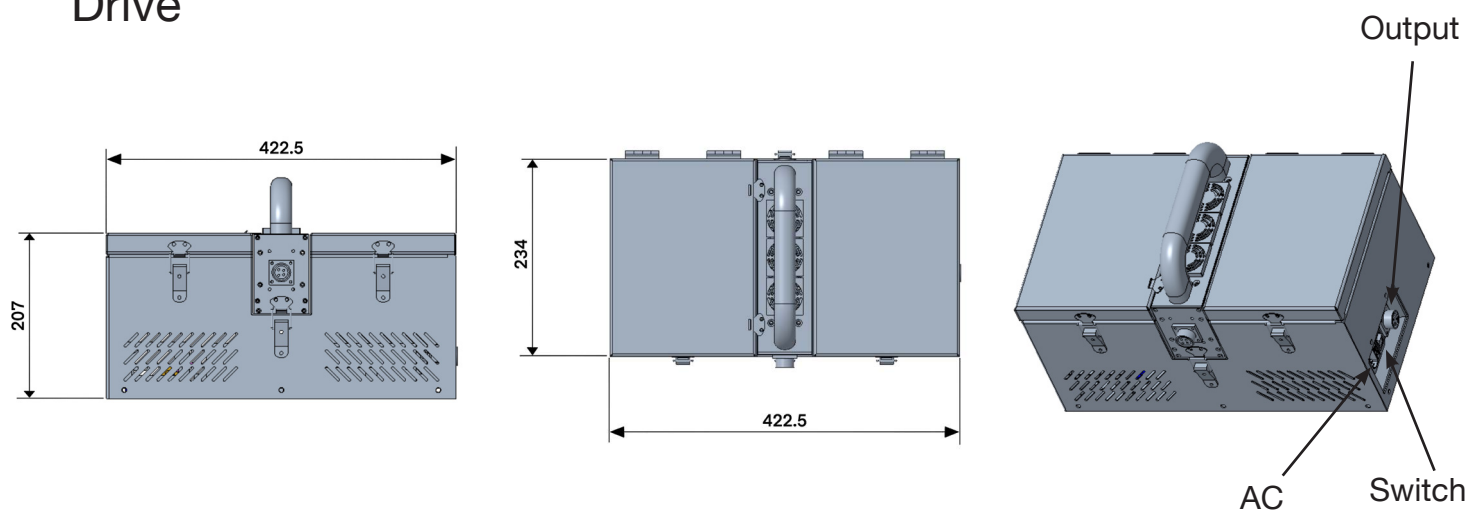
Safety precautions

To prevent injury and property damage, please follow these safety instructions:

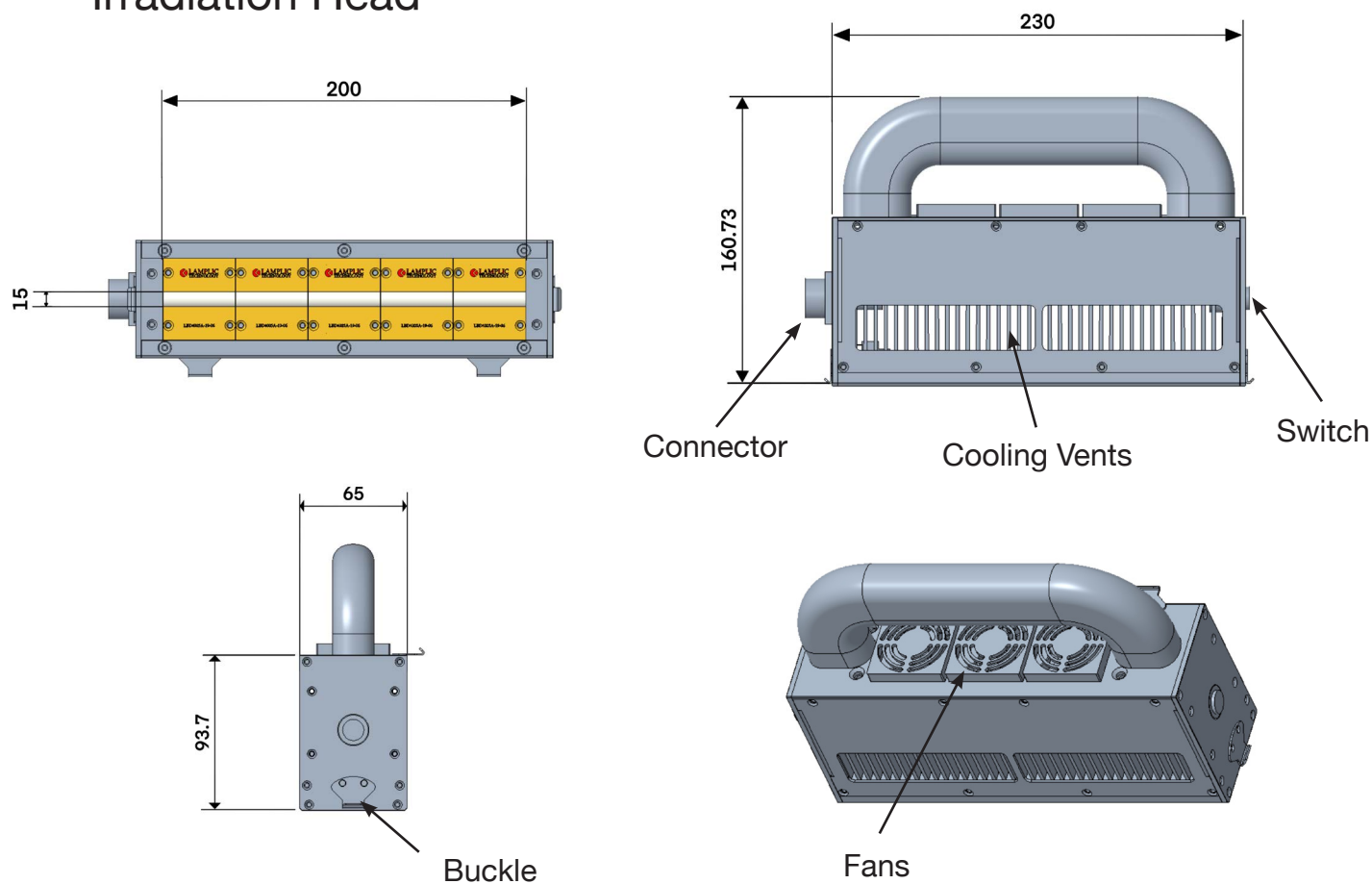
- 1 - For product maintenance or replacement parts, return the equipment to Osmo. This ensures proper maintenance and part selection, avoiding damage to the unit or harm to operators.
- 2 - If there is dust on any electrical connections or plugs, clean it to reduce the risk of fire or personal injury.
- 3 - Make sure plugs are fully inserted into connectors to prevent fire, electric shock, or short-circuiting.
- 4 - Use a grounded 110v outlet for the unit to prevent electric shock. Do not use unit with an ungrounded outlet.
- 5 - Ensure hands are dry when connecting plugs to avoid electric shock and potential injury.
- 6 - Do not use the unit with a power inverter or transformer, as this could damage the unit or cause injury.
- 7 - Avoid moving the main driver unit while it is in operation to prevent damage or injury.
- 8 - Do not touch the lamps or irradiation head during operation, as serious burns can result from contact with these components.
- 9 - If the power cord or plug is damaged, do not use the unit.
- 10 - Always wear eye protection when using the unit to protect your eyes from UV exposure.

Product Description

Drive



Irradiation Head



Directions For Use

1 - Connect the irradiation head to the driver using the supplied cable, ensuring that all connections are securely tightened.

2 - Insert the power cord into the unit and plug it into a grounded 110v outlet.

3 - Turn on the driver's power switch.

4 - Activate the irradiation head. Ensure that it does not make direct contact with any surfaces, as this could cause scorching.

5 - The unit has built-in temperature controls and will shut down if it overheats. Allow the unit to cool down before resuming use.

Technical Specifications

Irradiation Head Model: UVEL-200X15ALI

Wavelength Range: 395 nm

Irradiation Area: 200 x 15 mm (7.87 x 0.59 inches)

Recommended Exposure Height: 200 mm (7.87 inches)

Illumination Intensity: 1000 mW/cm²

Working Distance Height: 3-10 mm (0.12-0.39 inches)

Cooling Method: Air cooling

Input Voltage: AC 110V, 60 Hz

Input Power: 500 W

Driver Dimensions: 442.5 x 234 x 207 mm (17.42 x 9.21 x 8.15 inches)

Driver Weight: 12.2kg (26.9 lbs)

Control Method: Switch

Output Voltage: Constant current

Maintenance

Operating Condition Checks

- Verify that the power outlet and grounding are secure.
- Ensure the control line and irradiation head connections are tight.
- Do not place heavy objects on top of the driver.
- Keep the driver and head clean, with clear ventilation.
- Ensure the lens covering the lamps is clean and free from dust or contaminants.
- Store the irradiation head and driver securely, not loosely.

Air Outlet Cleaning

- Shut down the unit and unplug it from the outlet before cleaning.
- Do not disassemble the unit for internal cleaning.
- Avoid using chemical cleaners, benzene, paint thinner, powders, or solvents.

Ventilation Inlet and Outlet Cleaning

- Clean the driver housing with a soft, dry cloth, using pressurized air around the ventilation inlets and outlets.
- For stubborn stains, use a dry cloth slightly dampened with isopropyl alcohol.
- If the filter is dusty, it can reduce cooling efficiency. Clean it at least once per week in dusty environments.

Warranty

1. This product includes a 1-year manufacturer's warranty, covering failures under normal use. Damage from misuse, improper operation, or unauthorized repairs will void the warranty.
2. Repairs for units outside the 1-year warranty period are available at the owner's expense, including repair and transportation costs.

Warranty Exclusions: The warranty is void and repairs will be charged if:

- The product is used in violation of specified operating conditions.
- Unauthorized modifications or repairs are attempted.
- The unit is used in unsuitable environments (e.g., extreme heat, corrosive, or wet conditions).
- Physical damage is caused by impacts, drops, or pressure.
- Natural disasters or other force major events (e.g., fire, flood, earthquake) damage the product.
- Counterfeit products or lack of valid proof of purchase.

Service Charges:

For repairs beyond the 1-year warranty and non-natural damage, the cost of repairs and transportation is the responsibility of the equipment owner.