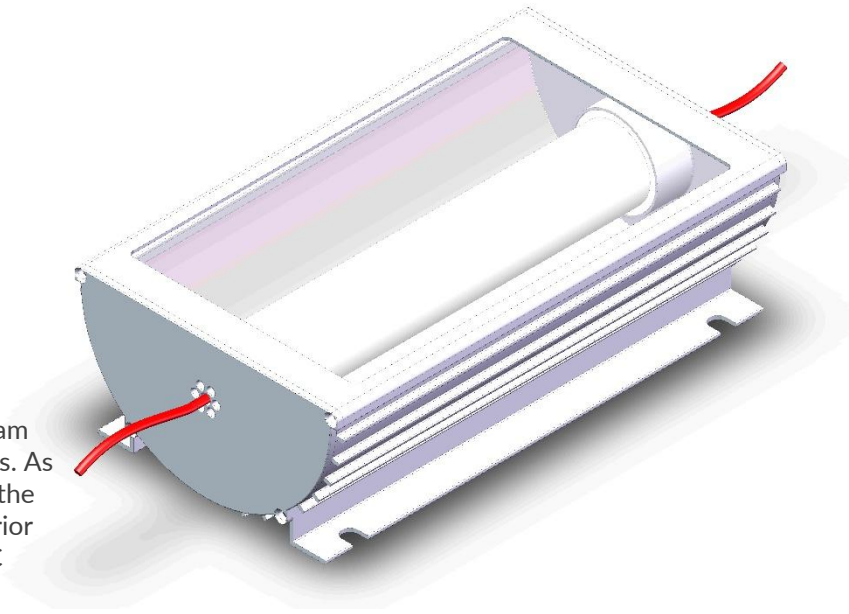




MASTER 100

Unleash the FAR-UVC Power of Invisible Protection

The **MASTER 100** is a premium Far-UVC 100W module, meticulously designed with an aluminum alloy housing, integrated bandpass filter, UV reflector, and a 100 Watts excimer lamp. Engineered to deliver a wide 130-degree beam angle, it ensures extensive coverage for various applications. As a flagship product from the **FIRSTUVC GLOBAL** portfolio, the Master 100 exemplifies cutting-edge technology and superior performance, addressing the evolving demands of Far-UVC technology now and in the future

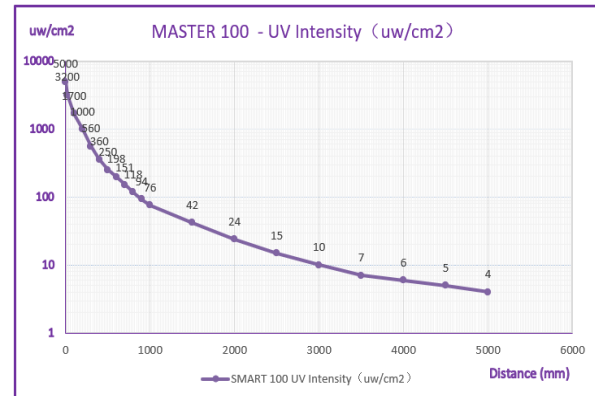


TECHNICAL DATA

Specification	Details
Dimension	257mm x 150mm x 80mm
Ballast Input Voltage	AC 110V/220V, 50/60Hz
Bulb Power	100 W
Bulb Lifetime	10,000 hours (75%-80% UV output)
UV Intensity ($\mu\text{W}/\text{cm}^2$)	5000 ($\mu\text{W}/\text{cm}^2$)
Beam Angle	130 degrees
Coverage (2m -5m height)	57.8m ² - 361m ²
Material	High purity quartz glass/Aluminum Alloy (Surface Coating)
Operating Temperature	-10°C to +50°C
Model :	FG222-LA100W

PRODUCT INFO

The **MASTER 100** is engineered to provide comprehensive coverage across diverse applications, including livestock farming, healthcare facilities, food processing plants, hotels, and other environments.



PRODUCT FEATURES

- Utilizes a 100 watts excimer lamp with integrated bandpass filter for precise 222nm wavelength output, ensuring optimal disinfection performance and safety.
- Built with durable aluminum alloy housing for superior heat dissipation, long-term stability, and corrosion resistance.
- Designed with a 130-degree beam angle to deliver extensive irradiation coverage, suitable for large-area sterilization and surface disinfection.
- Equipped with UV reflector to maximize light utilization and ensure efficient UV distribution over targeted surfaces.

CERTIFICATES

The **MASTER 100** is backed by industry-leading certifications and standards, including:

- ISO 9001:2015 Certification for quality.
- FCC/CE/ROHS Compliance for safety.
- Premium-grade components for unmatched performance and durability.
- **MASTER 100** is officially patented

CONTACT

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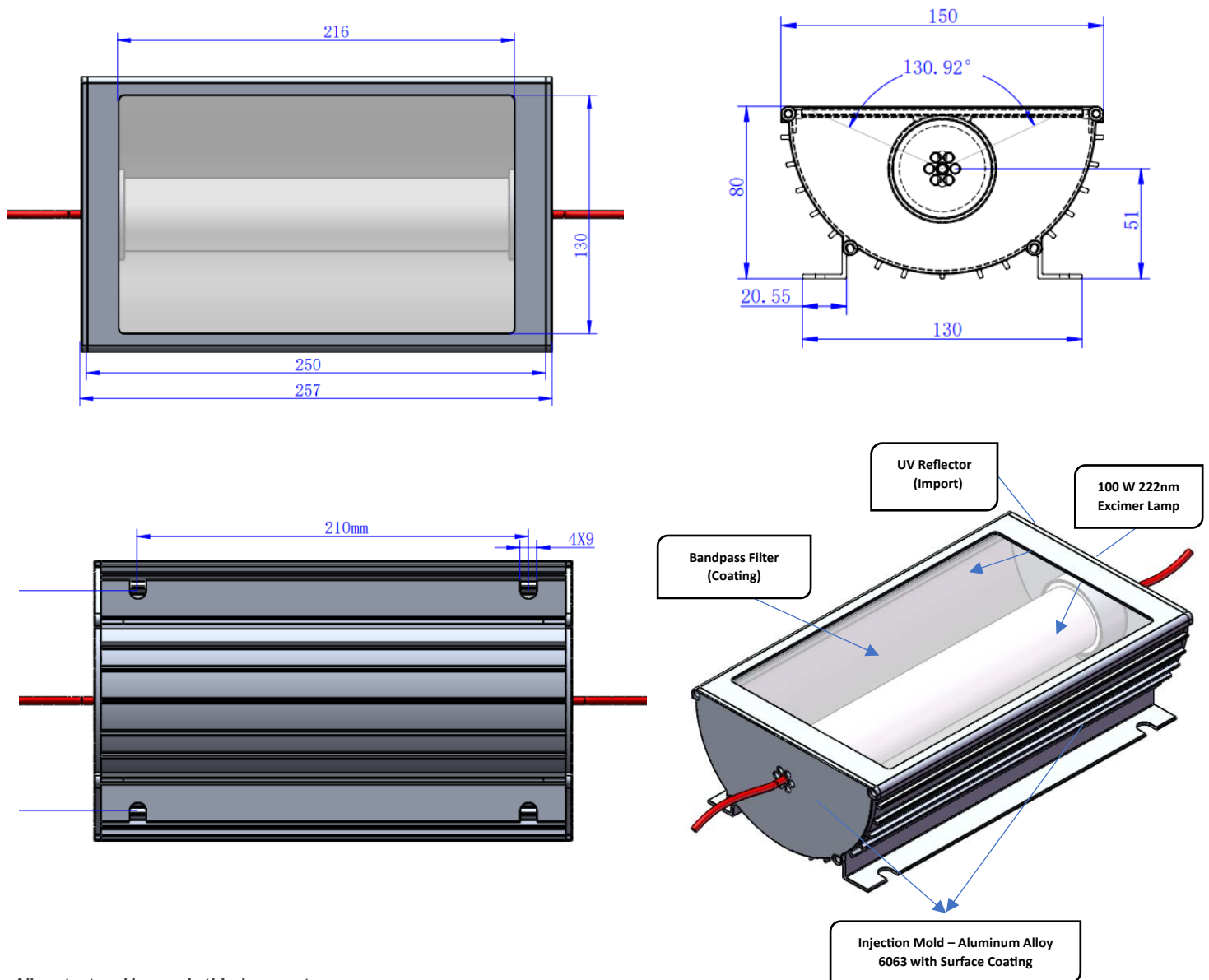
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Product Diagram



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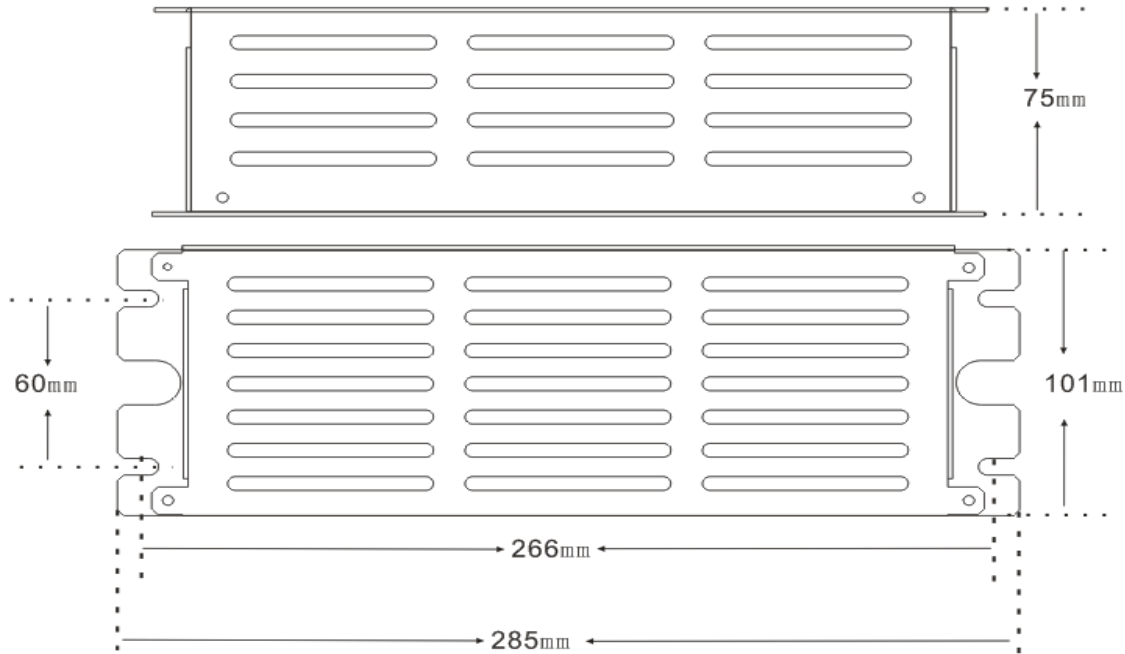
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MASTER 100

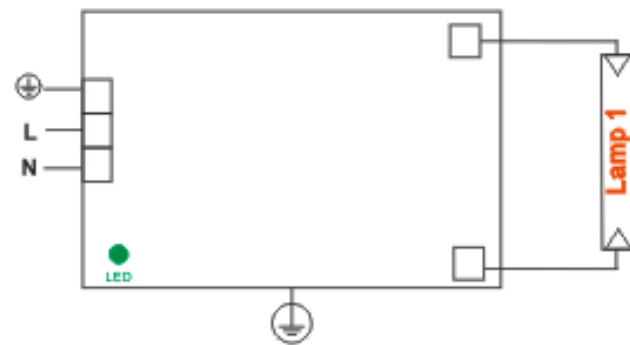
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Power Supply Diagram



Technical Data

Specification	Details
Power Supply Dimension	L 285mm x W 101mm x H 75mm
Input Voltage	AC 100 - 240V, 50/60Hz
Output Voltage	1 - 5 KV
Output Power	100 W \pm 10%
Power Factor	>0.95PF
Protection	Over-voltage, over-current, open-load, short-circuit, thermal shutdown
Certification	CE/FCC/RoHS
Model	FG222-BA100W



Power Supply Features:

- Inside the circuit board, high-concentration conformal coating is applied for increased protection.
- The enclosure is made of 2mm thick aluminum profile with ample heat dissipation holes around the perimeter.
- The power supply circuit employs a PFC (Power Factor Correction) step-up design.
- The power output remains stable and does not fluctuate with variations in mains voltage.
- Input voltage fluctuations do not affect the power supply's output power.
- The power supply is equipped with a green indicator light to clearly display its operating status.
- The power input terminal uses an integrated connector for easy wiring and a tidy appearance

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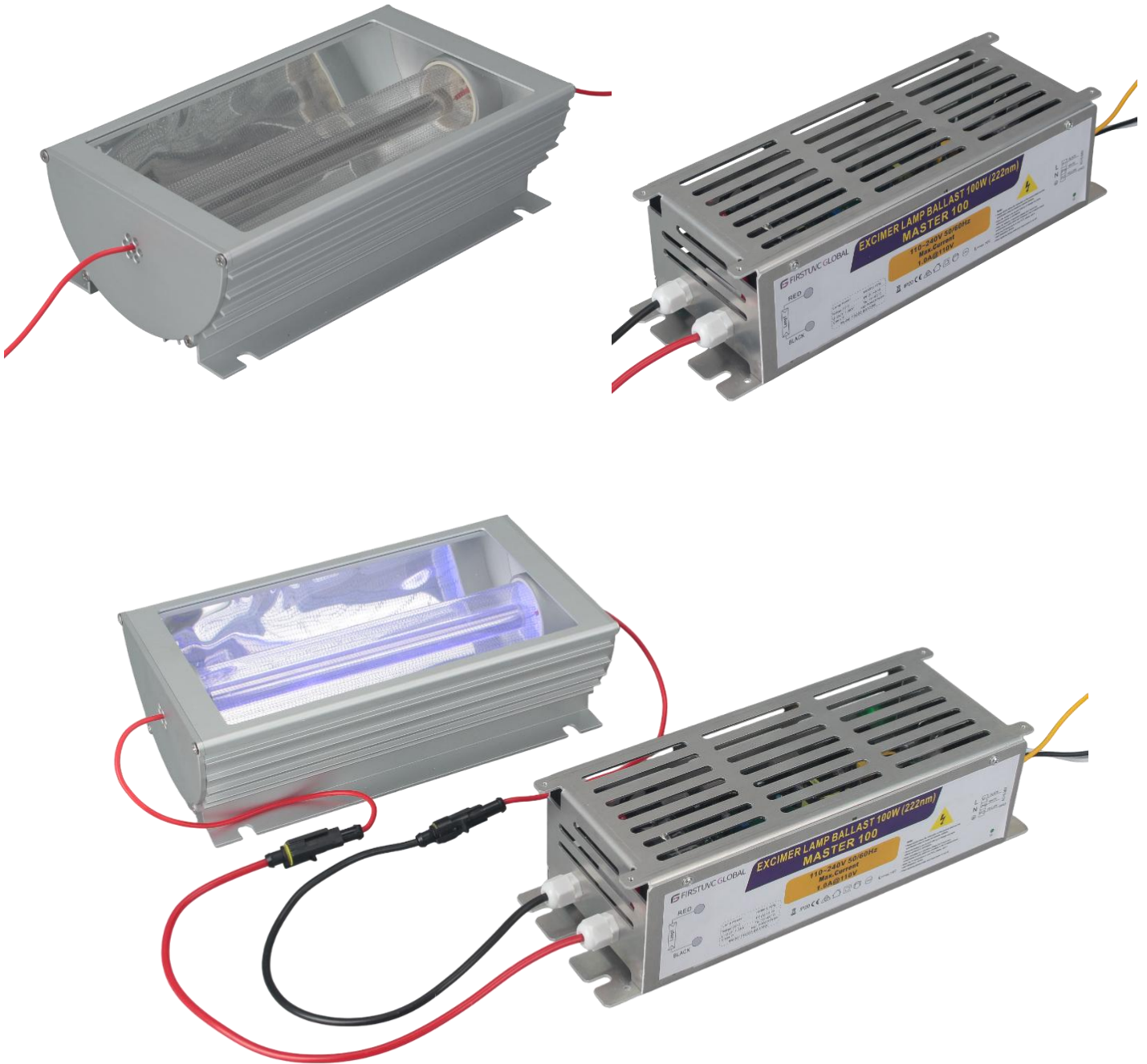
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Products Photo



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