

Highlight Multi-channel LED Optical-fiber Source

Four wavelengths output • High Brightness • optical output

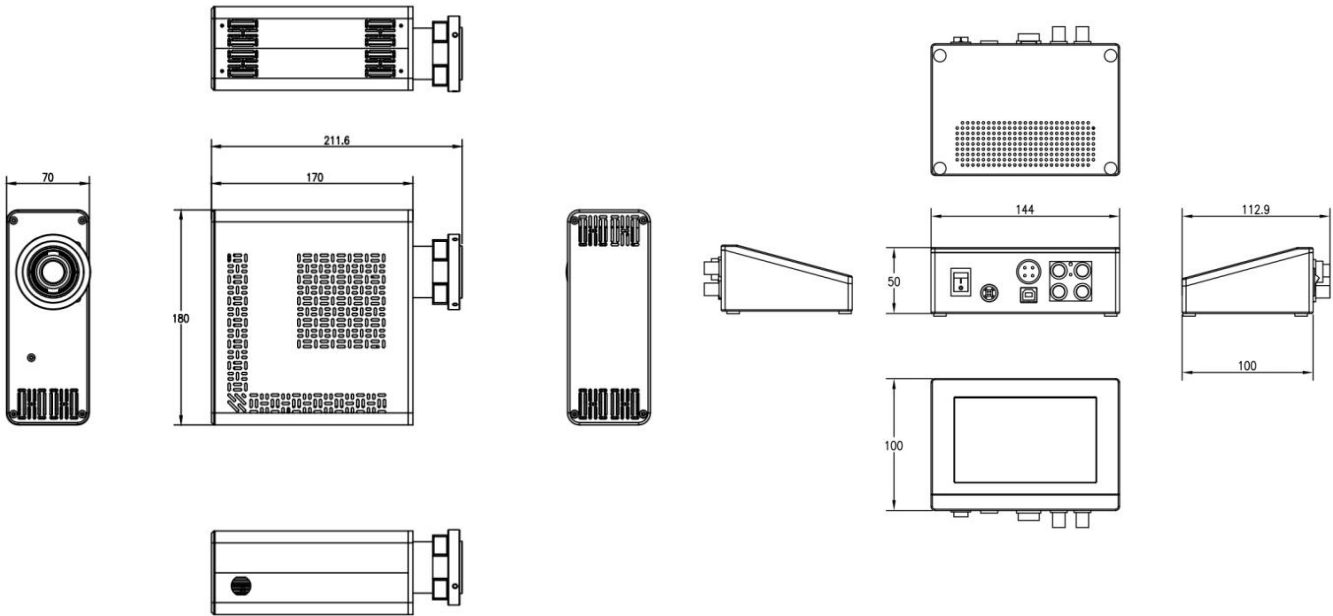
HKOP-MW04-AF light source has four different wavelengths of light output (peak wavelength can be customized), and each wavelength can be controlled individually. The light source has the advantages of high brightness, uniform light spots, high coaxiality (center overlap) of light spots of four wavelengths, fast response speed and long service life, and can be widely used in the fields of fluorescence microscopic imaging, semiconductor inspection, machine vision inspection and other fields. The light source is equipped with a standard microscope interface and an optical fiber interface, and different types of optical fibers can be selected according to needs, which supports customization of optical fiber accessories.



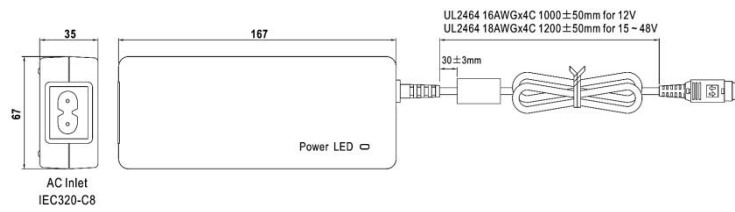
● Technical parameters

Model name	OP-MW04-AF
Emitting Angle	Full angle 5 ° - 16 ° (standard with adjustable angle module)
peak luminous wavelength	Standard 365nm/460nm/550nm/625nm, Option 385nm/405nm/530nm/white light and so on.
Electrical power (typical)	Maximum 70W (220V input)
Optical power ¹	365nm, 1100mW (connected to the standard dimming module) , 180mW (connected to ϕ 3 fiber) 460nm, 2900mW (connected to the standard dimming module) , 520mW (connected to ϕ 3 fiber) 550nm, 1800mW (connected to the standard dimming module) , 310mW (connected to ϕ 3 fiber) 625nm, 1000mW (connected to the standard dimming module) , 300mW (connected to ϕ 3 fiber) White light ² (6500K) , 2590mw (connected to the standard dimming module) , 512mW (connected to ϕ 3 fiber)
Input power	AC100-240V (\pm 10%), 50/60Hz
Dimming Mode	Variable-current control
Dimming Range	1%-100%
Drive System	Constant Current
Fiber size (typical)	NA=0.2, diameter ϕ 3mm, length 1000mm
Impulse response speed	Rising edge (10%-90%) <500ns Falling edge (10%-90%) <500ns
Control Mode	External TTL signal/USB interface
Ground leakage current	0.5mA max. (AC240V, 60Hz, 100% load)
Application Environment (only indoor)	Temperature: 0-40° C, Humidity: 20-80% RH (no condensation) Altitude: Max 2,000m
Storage Temperature & Humidity	Temperature: -15 to 60° C, Humidity: 20 to 85% RH (no condensation)
Cooling Method	Force-air cooling
Environmental Legislation	RoHS compliant
Material/coating/surface treatment	Aluminum alloy (anodic oxidation)
Weight	Less than 3kg
Standard Accessories	Instruction manual*1, power adapter*1, AC power cord with 3P grounding electrode (2m)*1
Optional Accessories	5mm/8mm/10mm/12mm/diameter fiber, fiber collimator

● Exterior dimensions



Control Box



Power Adapter