

RFMM-2607
Microscope light module



Key parameter:

- Ra>85
- CCT=5500±500K
- Target plane: 250mm from objective lens of f250
- Diameter of light pattern: 38mm ~ 90mm, 8 steps adjustable
- Max illuminance≥60000 lux @ 250mm

Application:

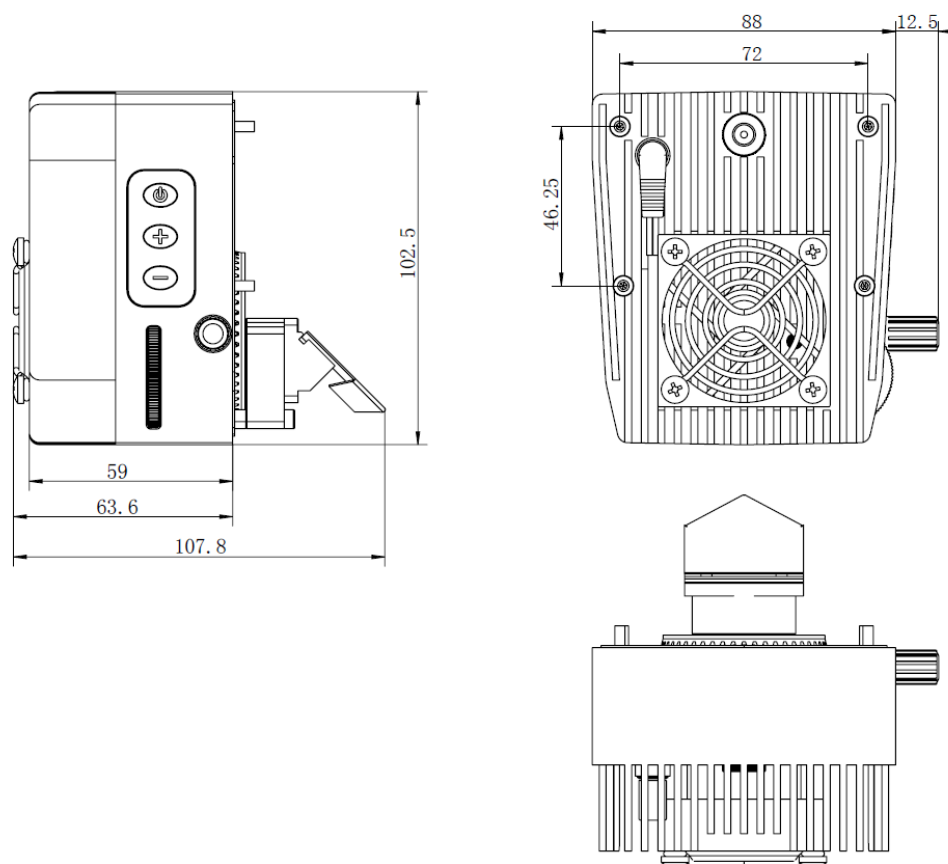
- High brightness with uniform light pattern
- With white light and three color light with filter
- Thin film control with dimming and On/Off key
- Comply with EMC requirements
- Applied for microscope

Technical Data

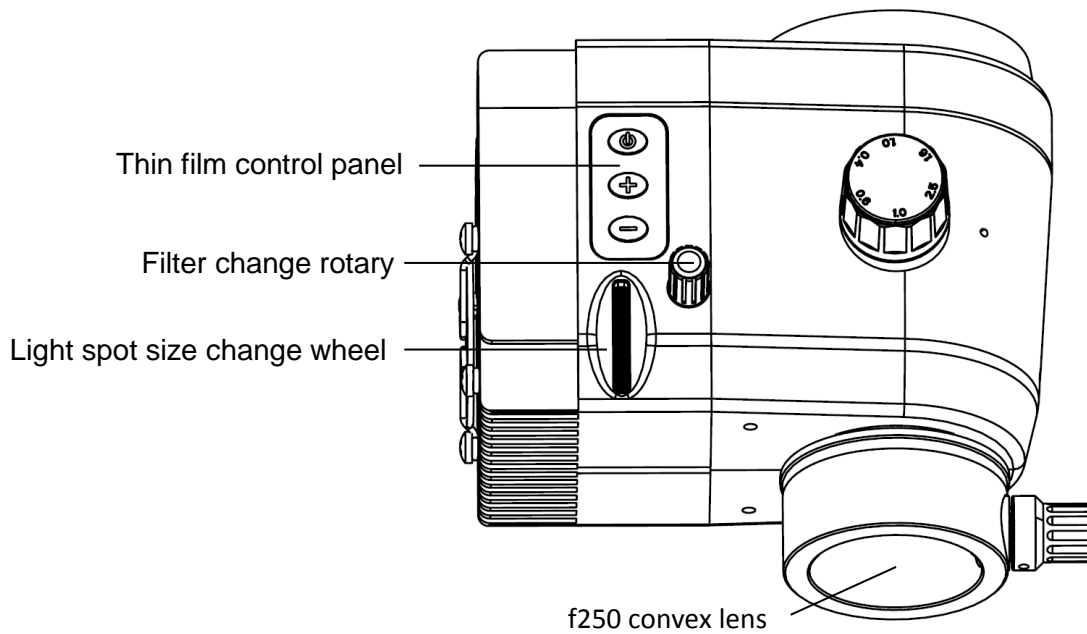
Parameter	Min	Typical	Max	Remarks/Conditions
Optical Data				
Light source		LED		
CCT	5000K	5500K	6000K	
CRI	85	86		
Diameter of light pattern	38mm		90mm	@250mm
Illuminance@200mm	67,000 lux		91,500lux	@200mm
Illuminance@250mm	51,500 lux		65,000 lux	@250mm
Illuminance@300mm	38,000 lux		46,800 lux	@300mm
Electrical Data				
Input voltage	10.8VDC	12VDC	13.2VDC	Can be customized
Power consumption		30W		Including driver
Dimming	5%		100%	Seven steps dimming
Dimensions and Weight				
Dimensions		As drawings		Housing can be customized
Net weight		650g		Including Li-ion battery
Conditions				
Heat sink temperature			45℃	
Shipping and storage	-20℃		80℃	

Compliance	
IEC 60601-1:2005	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC 60601-1-2: 2007	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests

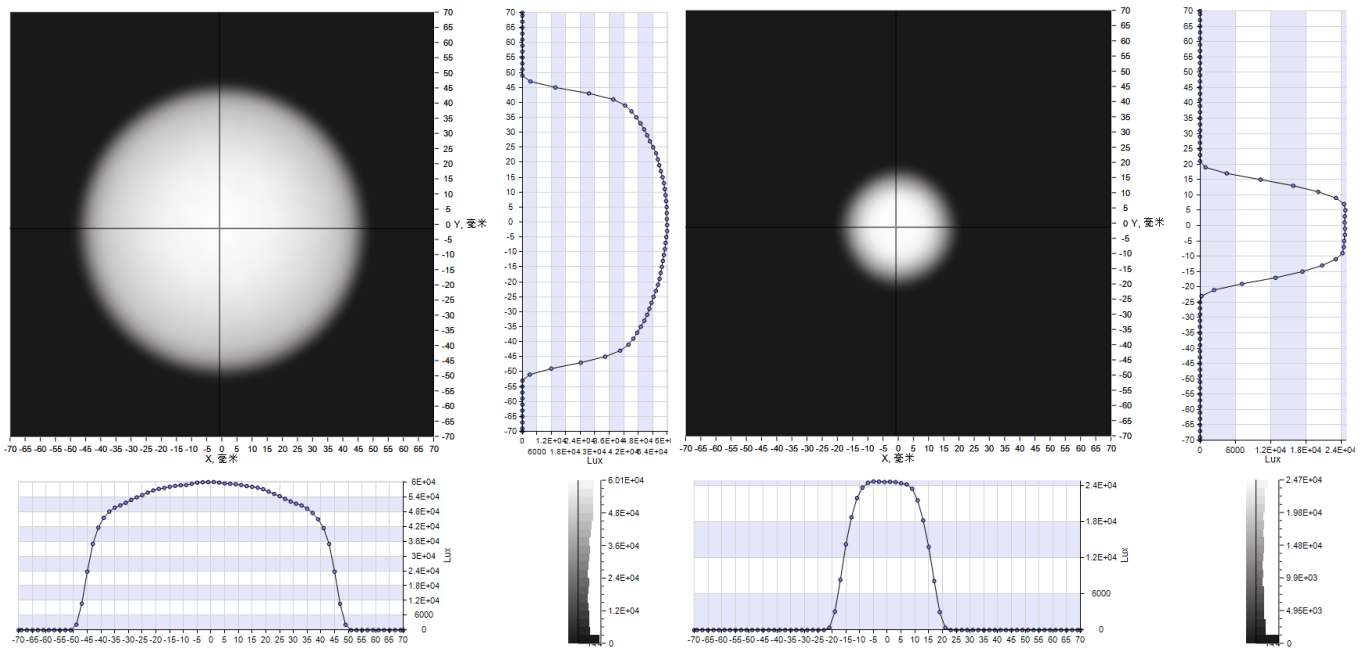
Dimensions of light engine



Assembly illustration



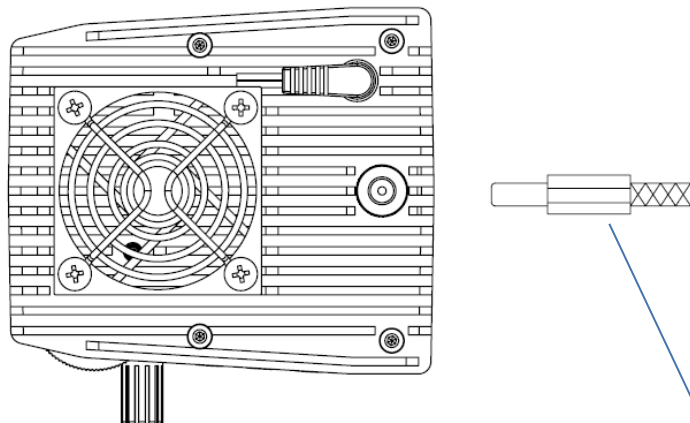
Illuminance distribution on the focus plane



Light pattern at Φ90mm

Light pattern at Φ38mm

Wiring illustration



DC12V 5.5-2.1 plug

Warning! *Keep away from the focus point of light engine, don't watch the light with naked eye!*



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