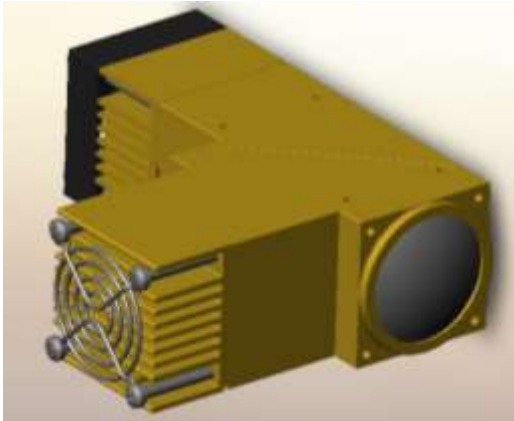


RFFM-1009 Module



Key parameter:

- Ra>90
- CCT=5500±500K
- Back focus length 23.6mm
- Lumen output 1070lm for Φ5mm fiber cable

Application:

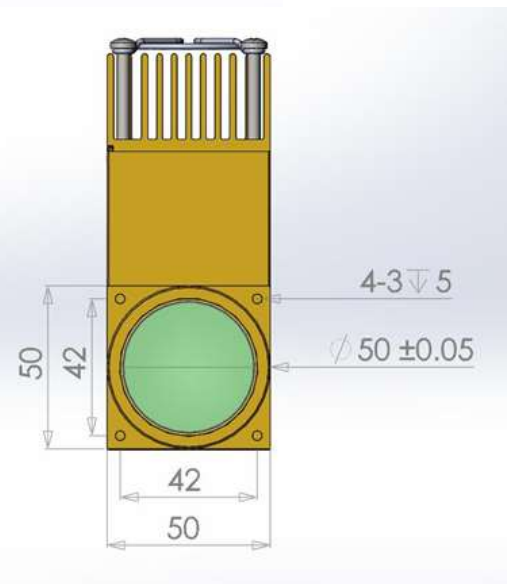
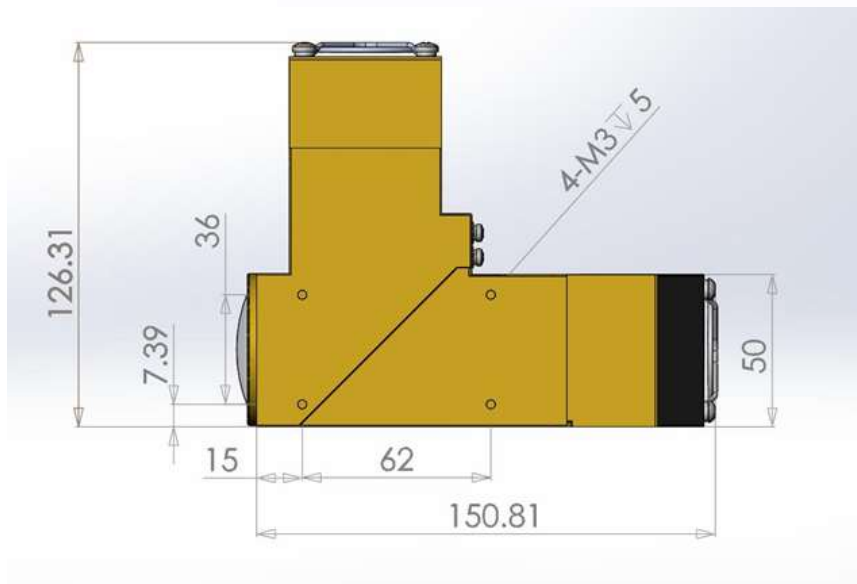
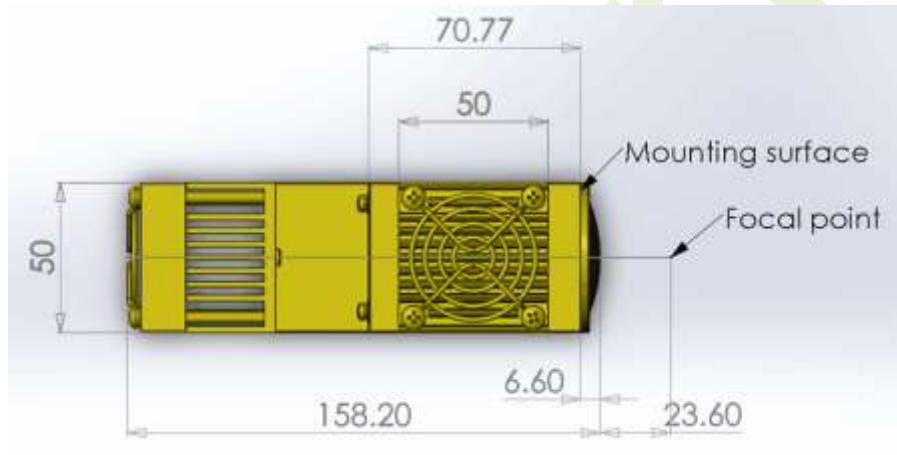
- Aspheric glass lens, higher flux output
- CBI application (Compound Band Imaging)

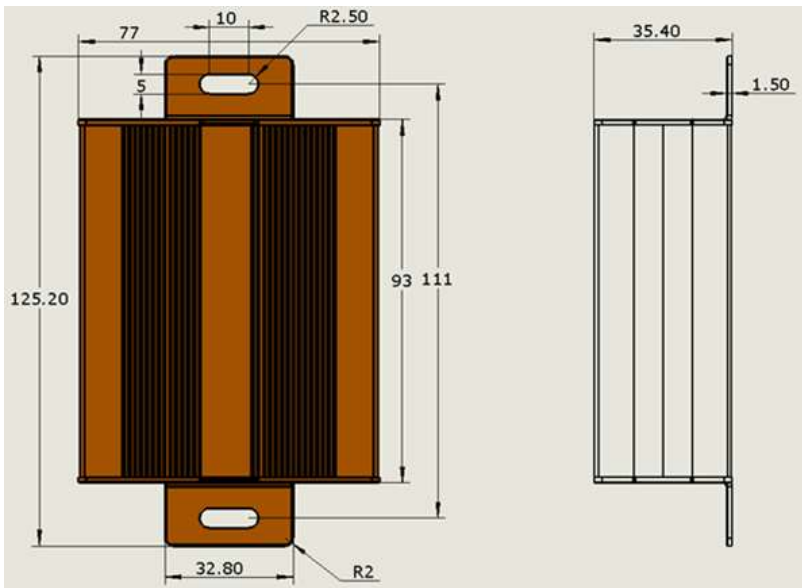
Technical Data

Parameter	Min	Typical	Max	Remarks/Conditions
Optical Data				
Light source		LED		
Peak wavelength		415nm		Only Blue LED
CCT	5000 K	5500 K	6000 K	CSI mode Off (Only White LED)
Ra	90			CSI mode Off (Only White LED)
CCT		6300 K		CSI mode On (White & Blue both on)
Ra		92		CSI mode On (White & Blue both on)
Blue/Green ratio		130%/136%		CSI mode Off/On
Red/Green ratio		66%/70%		CSI mode Off/On
Infrared cutoff		3.5 mW/lm		CSI mode On
Luminous flux input for Φ5mm fiber		1070 lm		NA=0.62
Back focus length		23.6mm		From the last lens vertex
Electrical Data				
Input voltage		DC 12V		
Input power	29W / 40W			Excluding / Including power consumption of driver board
Dimming	20%		100%	PWM or Linear
Dimensions and Weight				
Dimensions		As drawings		

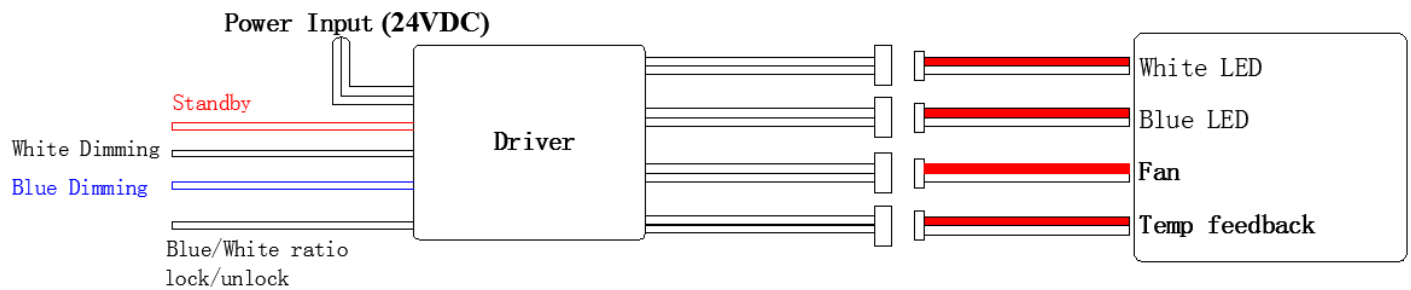
Net weight		800g+280g		Body + Power Supply Case
Conditions				
Heat sink temperature			45°C	
Transportation and storage	-20°C		80°C	
Reliability				
Life time of LED		30,000hrs		T _j of LED ≤ 125°C
Compliance				
IEC 60601-1:2005	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance			

Dimensions

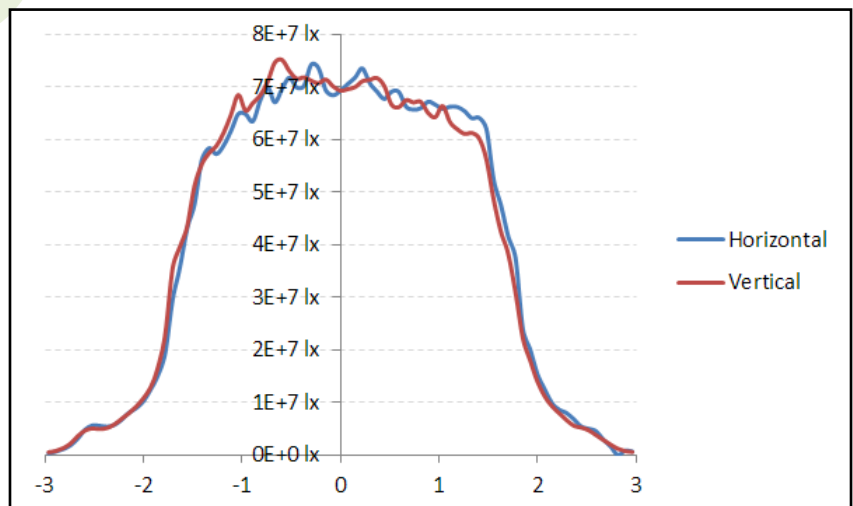
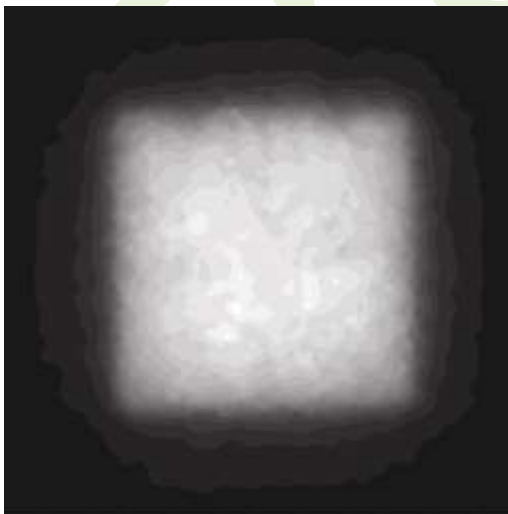




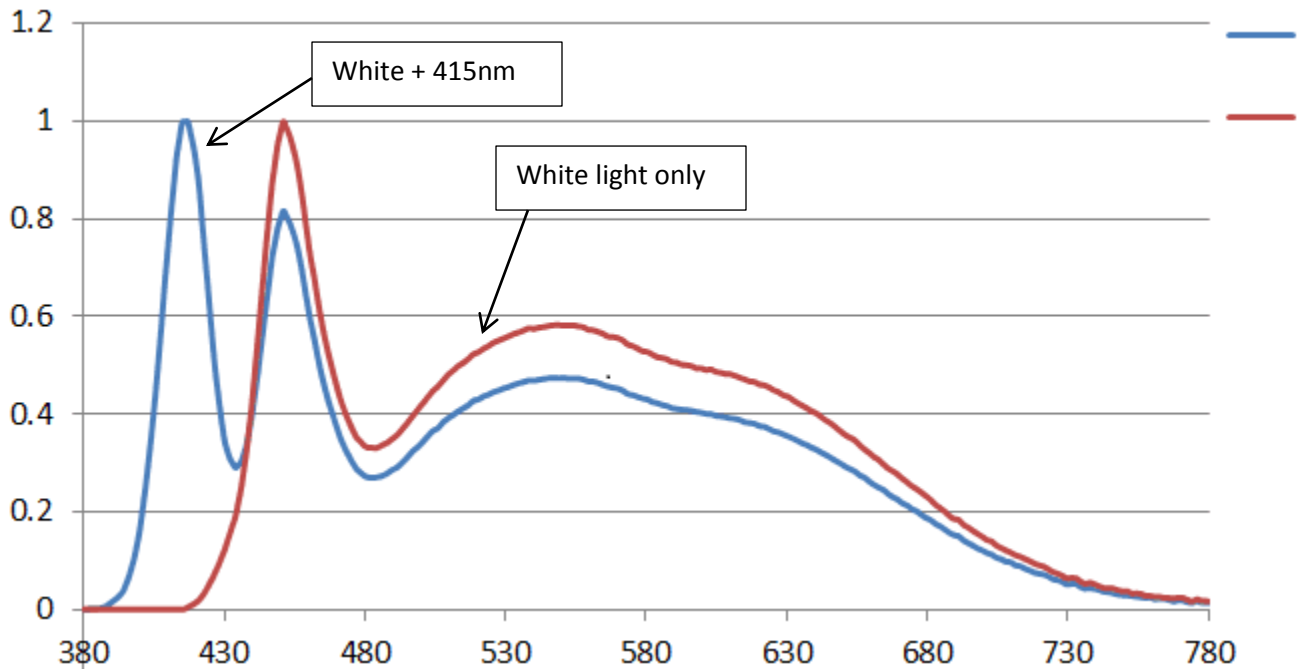
Wiring of driver board and light engine:



Illuminance distribution on the focus plane



Spectrum of white light and CSI mode:



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



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