

**RFFM-1723C
 Module**



Key parameter:

- White light + 785nm laser
- White light Ra>90
- White light CCT=5700±500K
- Luminous flux of white light 2300lm
- Output power of 785nm laser=3500mW
- Back focus length 23.6mm

Application and features:

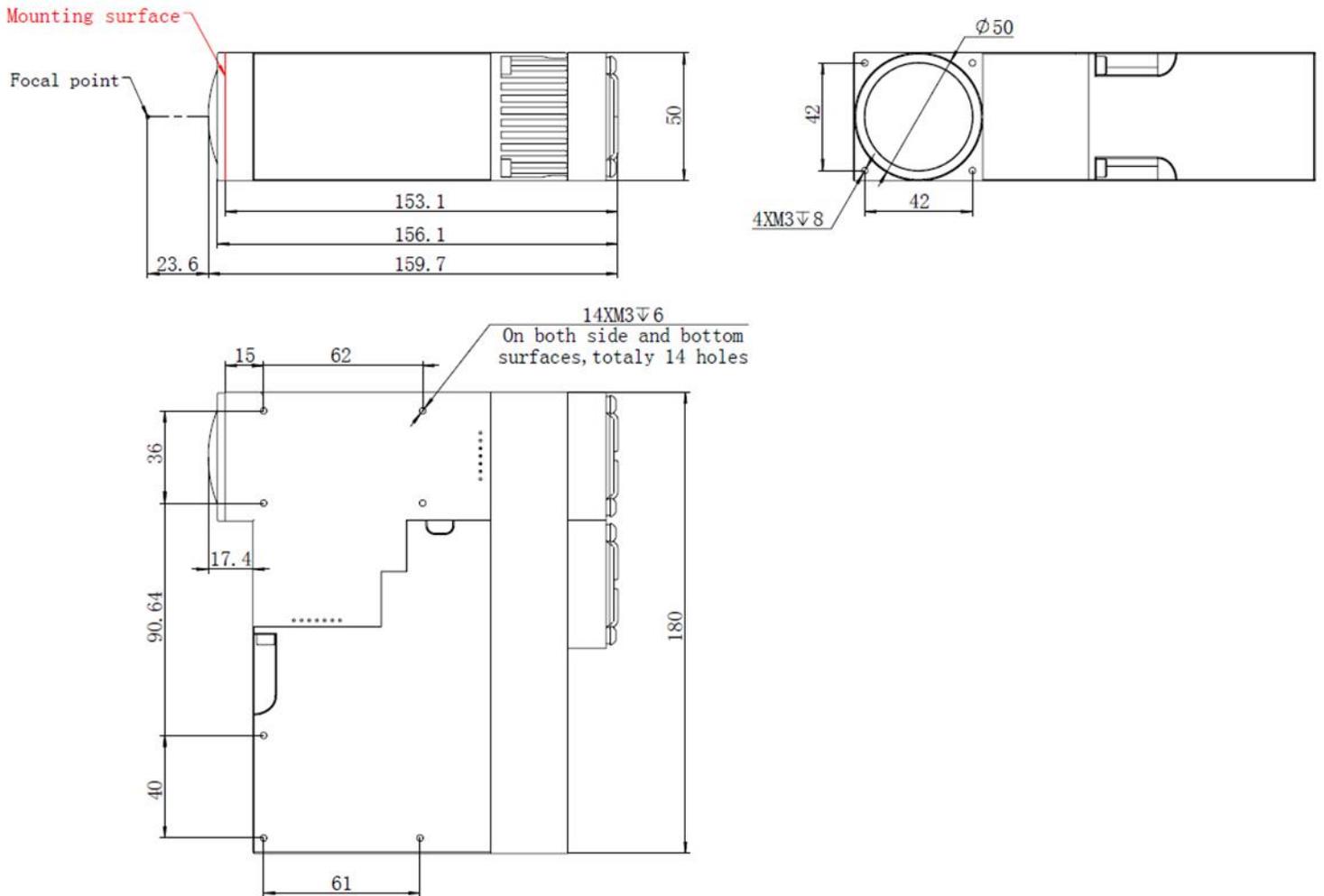
- ICG-NIR fluorescence imaging
- Normal endoscope lighting
- Aspheric glass lens, higher flux output
- RS232 control system

Technical Data

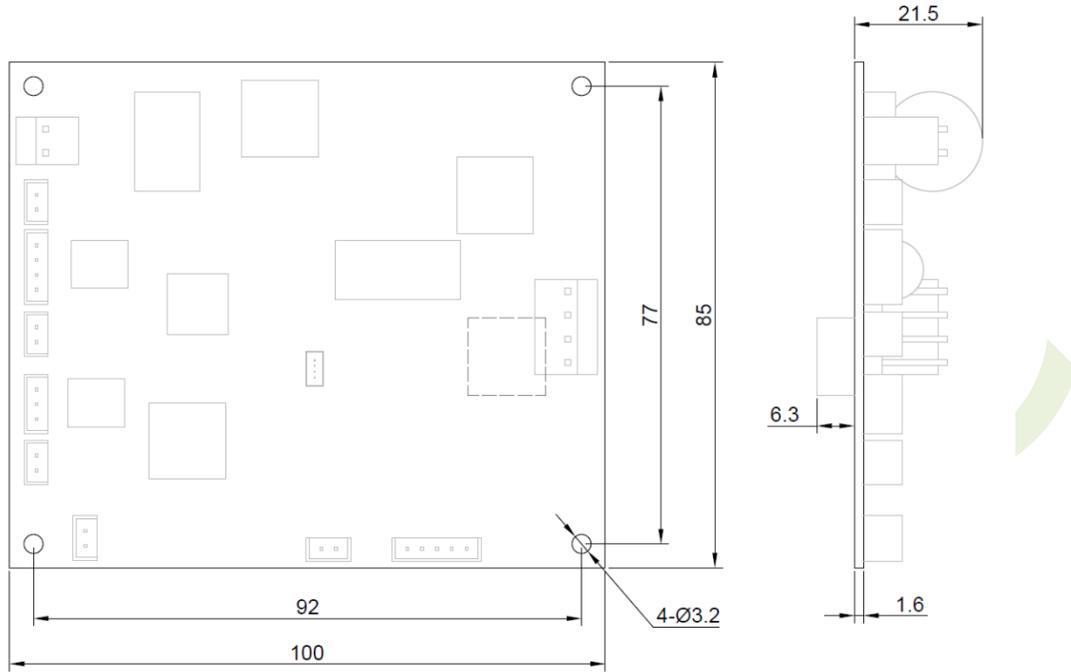
Parameter	Min	Typical	Max	Remarks/Conditions
Optical Data				
Light source		LED+785nm laser		
Peak wavelength		785nm		Laser
CCT	5200 K	5700 K	6200 K	Only white light
Ra	90			Only white light
Luminous flux of white light for Φ5mm light guide		2600 lm		NA=0.62
Laser output		3500mW		Depends on number of laser diode
Back focus length		23.6mm		From the last lens vertex
Electrical Data				
Input voltage 1		DC 12 V		For LED white light
Input power 1		90W		including driver
Dimming of white light	10%		100%	RS232
Dimming of laser	0		100%	RS232
Dimensions and Weight				
Dimensions		As drawings		
Net weight		1460g+240g		Light engine + driver board
Conditions				

Transportation and storage	-20°C		80°C	
Reliability				
Life time of LED		35,000hrs		Tj of LED ≤ 125°C
Life time of LD		10,000hrs		Tc of LD ≤ 30°C
Compliance				
IEC 60601-1:2005	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance			

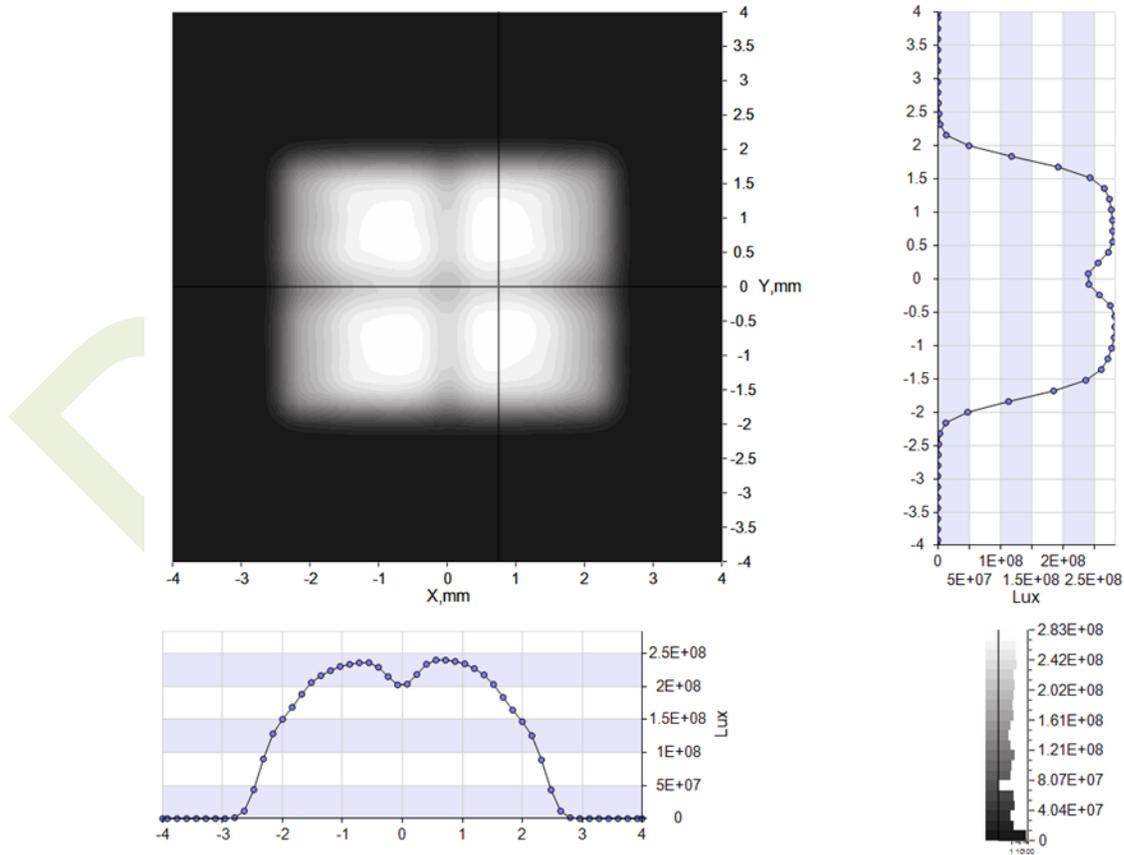
Dimensions of light engine



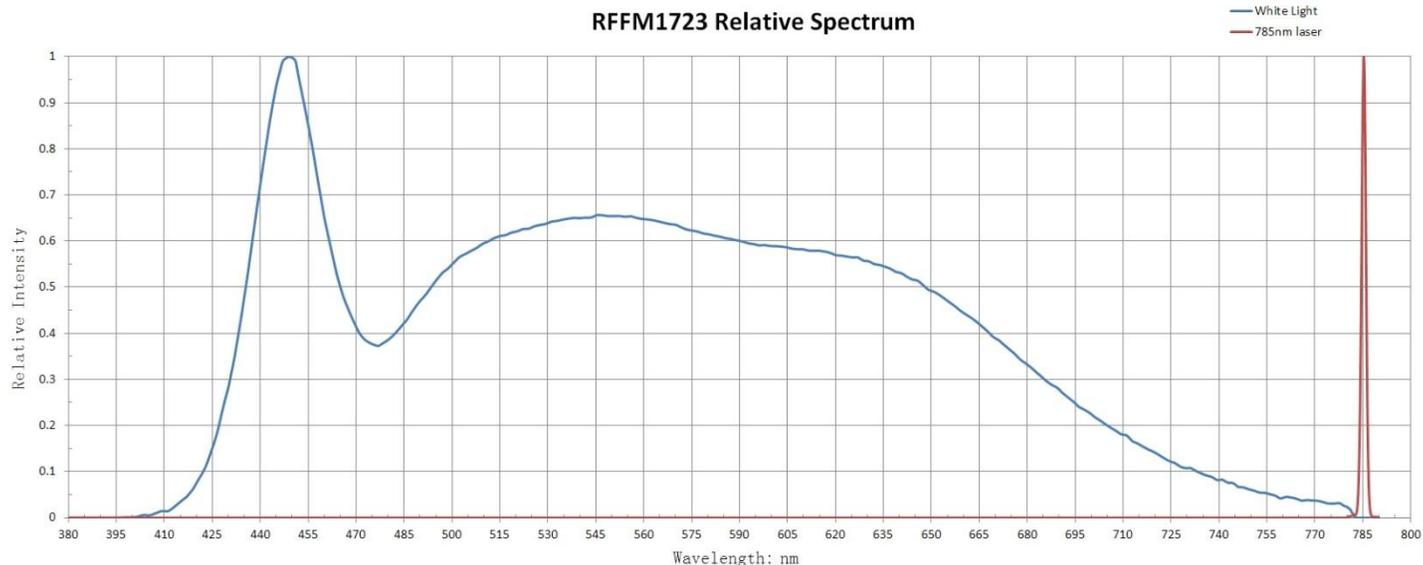
Dimensions of driver boards:



White light-- Illuminance distribution at focal plane



Spectrum



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



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