

RFFM-16A6 Light Module



(Final product could be a little different)

Key parameters:

- White Light+415nm+540nm+785nm
- White Ra \geq 90
- White light CCT=5500 \pm 500K
- Back focus length is 25.6mm
- Luminous flux of white light LED is 2,300lm
- Output power of 415nm LED is 1,800mW
- Output lumen of 540nm LED is 280lm
- Output of 785 nm LD is 3,500 mW

Application and features:

- With aspheric glass lens, higher flux output and compact size
- White+NBI+NIR-ICG application
- Pass EMC test
- RS232 communication interface
- 11 output mode options

Possible working mode (to be decided by customer)

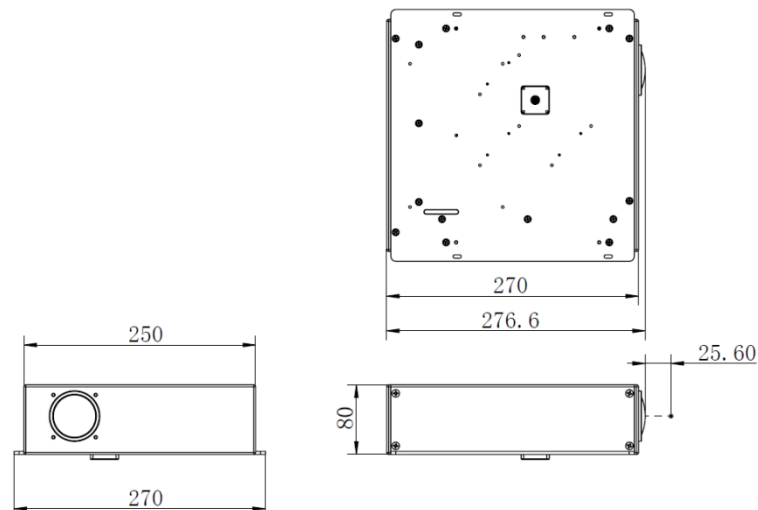
9 kinds of output mode	
4 kinds of single color light output	White light 415nm deep blue light 540nm green light 785nm NIR
7 kinds of compound light output	White light+415nm White light+785nm 415nm+540nm 415nm+785nm 540nm+785nm 415nm+540nm+785nm White light+415nm+785nm

Technical Data:

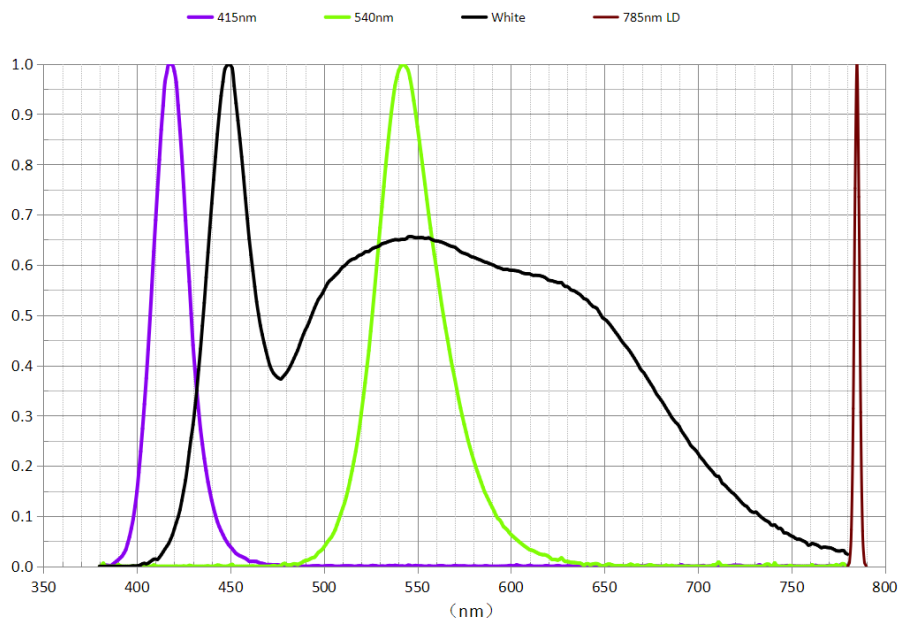
Parameter	Min	Typical	Max	Remarks/Conditions
Optical Data				
Light source	White LED + 415nm LED + 540nm LED + 785nm LD			
CCT of White light	5000K	5500K	6000K	Only white light
Ra of white light	90	93		Only white light
Luminous flux of white light		2300 lm		Out of module

Output power of 415nm		1800mW		
Output luminous flux of 540nm		280 lm		
Output power of 785nm		3500 mW		
Back focus length		25.6mm		From the last lens vertex
Electrical Data				
Input voltage		DC 12V		DC24V is optional
Power consumption		90W		Including driver
LED dimming range	8%		100%	
LD dimming range	5%		100%	
Dimensions and weight				
Dimensions		As drawings		
Weight		3900g		
Working conditions				
Transportation and storge	-20℃		80℃	
Reliability				
Life time of LED		30,000hrs		Tj of LED ≤125℃
Compliance				
IEC 60601-1:2014	Medical electrical equipment – Part 1: General requirements for basic safety an essential performance			
EN 55011	Class A ,RE_3M			

Dimensions of light module:



Spectrum



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



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