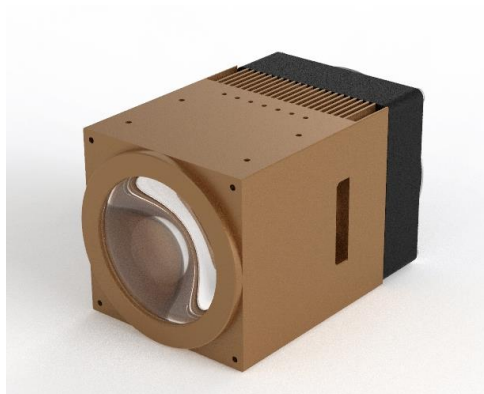


RFFM-1501



Key parameters:

- $Ra \geq 60$
- $CCT = 5700 \pm 500K$
- Back focal length 48 mm
- Module Light Output 4200lm
- Beam divergence angle 55° (Match fiber with $\phi 8mm$, $NA \geq 0.47$)

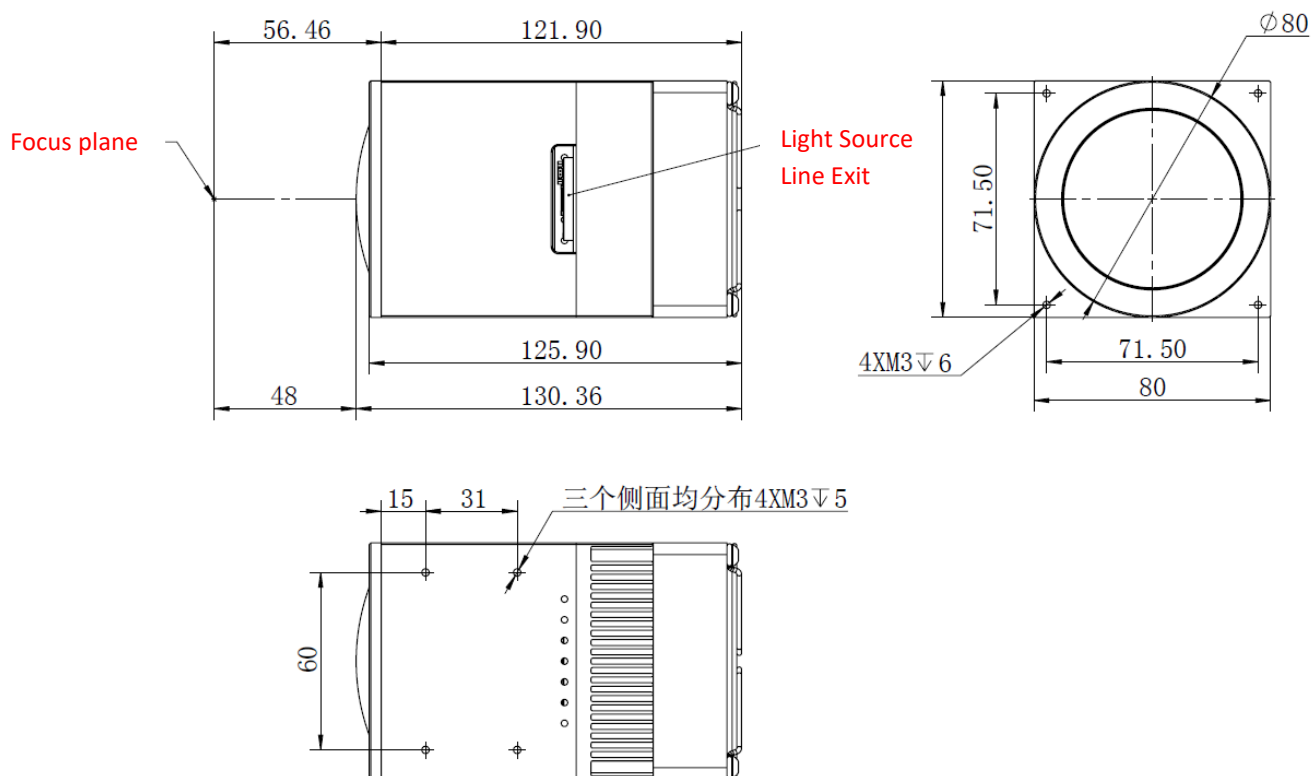
Application features:

- Ultra-high brightness, can replace 300W xenon lamp
- Uses Teflon wire, which can withstand $200^\circ C$

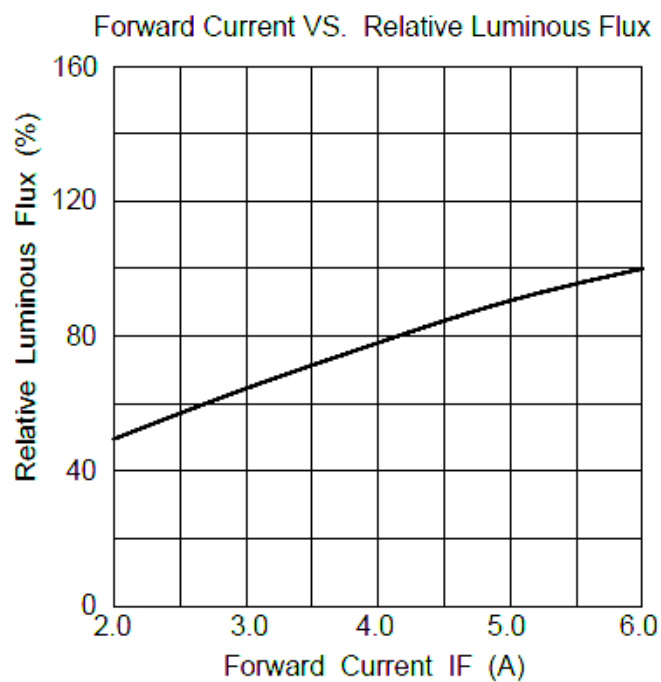
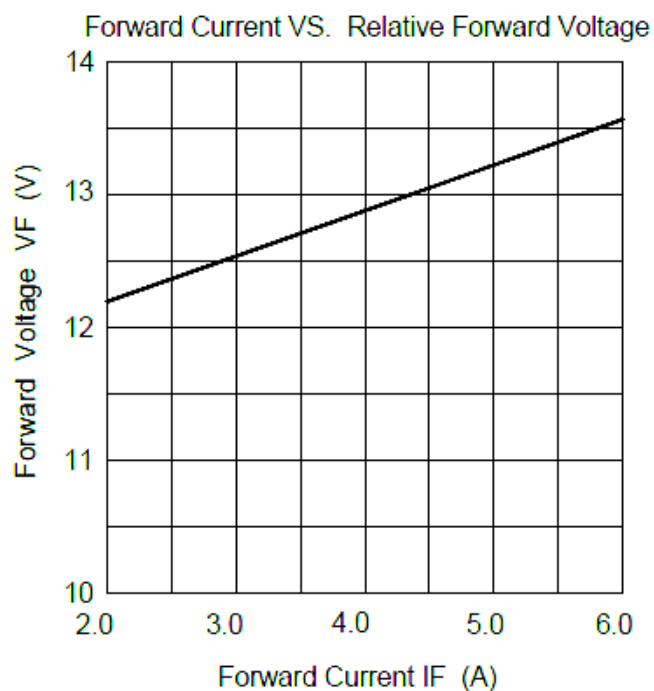
Technical Data				
Parameter	Min	Typical	Max	Remarks/Conditions
Optical parameters (forward current of light source 5.8A)				
light source		LED		
CCT	5200 K	5700 K	6200 K	After 1M, $\Phi 8mm$, NA0.47 fiber
Ra	60			
Ratio of blue /green light radiant flux		115%		
Ratio of red /green light radiant flux		40%		
Infrared cutoff performance		3.0 mW/lm		
Module outputs luminous flux		4200 lm		Luminous flux output for $\Phi 8mm$ light guide
Back Focal Length		48 mm		From the vertex of the last lens
Electric Data				
Forward Current of Light Source			6.0A	$T_c = 25^\circ C$ (T_c is the temperature of the thermistor)
Forward Voltage of Light Source			15V	
Recommended power supply power	110 W			Select the power supply power based on this value
Dimensions and Weight				
Dimensions		As drawing		
Weight		1630 g		
Conditions				
Working temperature	$-20^\circ C$		$45^\circ C$	$T_c : -20^\circ C \sim 85^\circ C$
Relative humidity			95%	
Transportation and storage	$-20^\circ C$		$80^\circ C$	
合规性				
IEC 60601-1:2015	Medical Electrical Equipment - Part 1: General Safety Requirements and Basic Standards			
IEC 60601-1-2:2014	Medical Electrical Equipment - Part 1-2: General Requirements for Basic Safety and Basic Performance - Collateral Standard: Electromagnetic Interference - Requirements and Tests			

YY 1081-2011	Medical Endoscope – Endoscope Function Supply Device Cold Light Source
IEC 62321-3-1:2013	RoHS
IEC 62321-4:2013+AMD1:2017	
IEC 62321-5:2013	
IEC 62321-6:2013	
IEC 62321-7-1:2015	
IEC 62321-7-2:2017	
IEC 62321-8:2017	

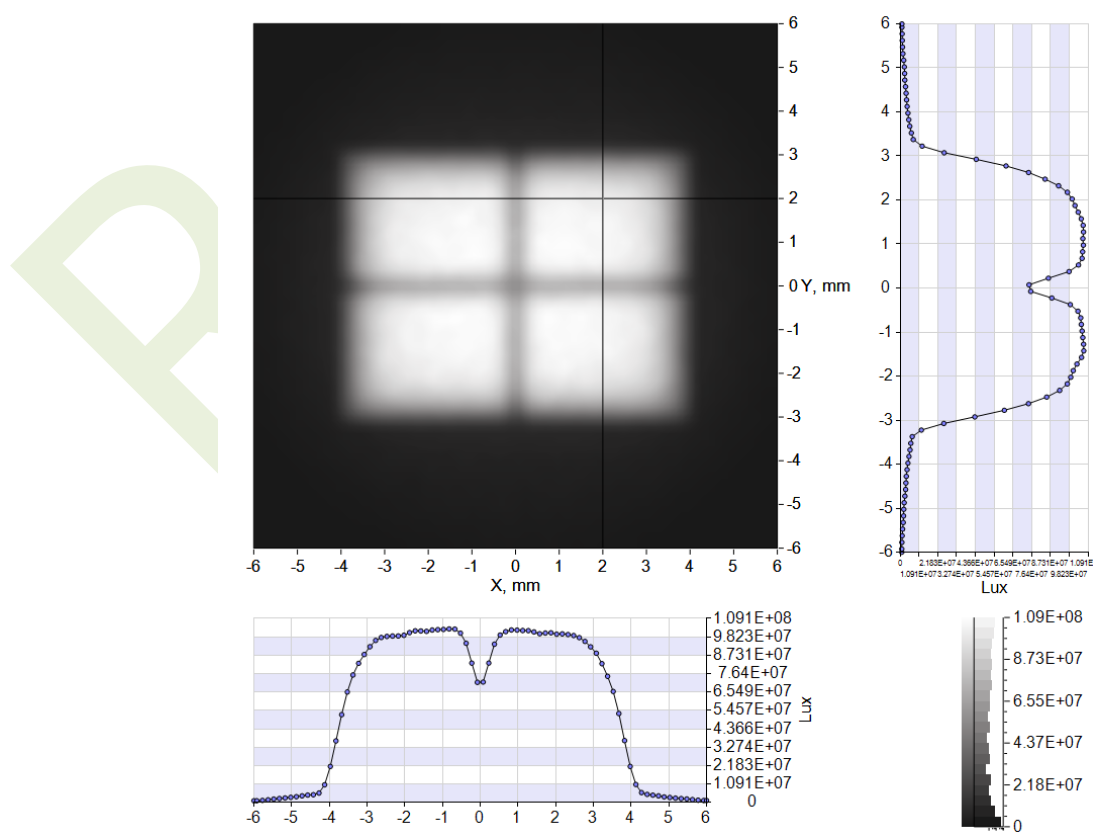
Dimensions of light engine:



Typical Electrical/Optical Characteristic Curves (25°C Ambient Temperature Unless Otherwise Noted)

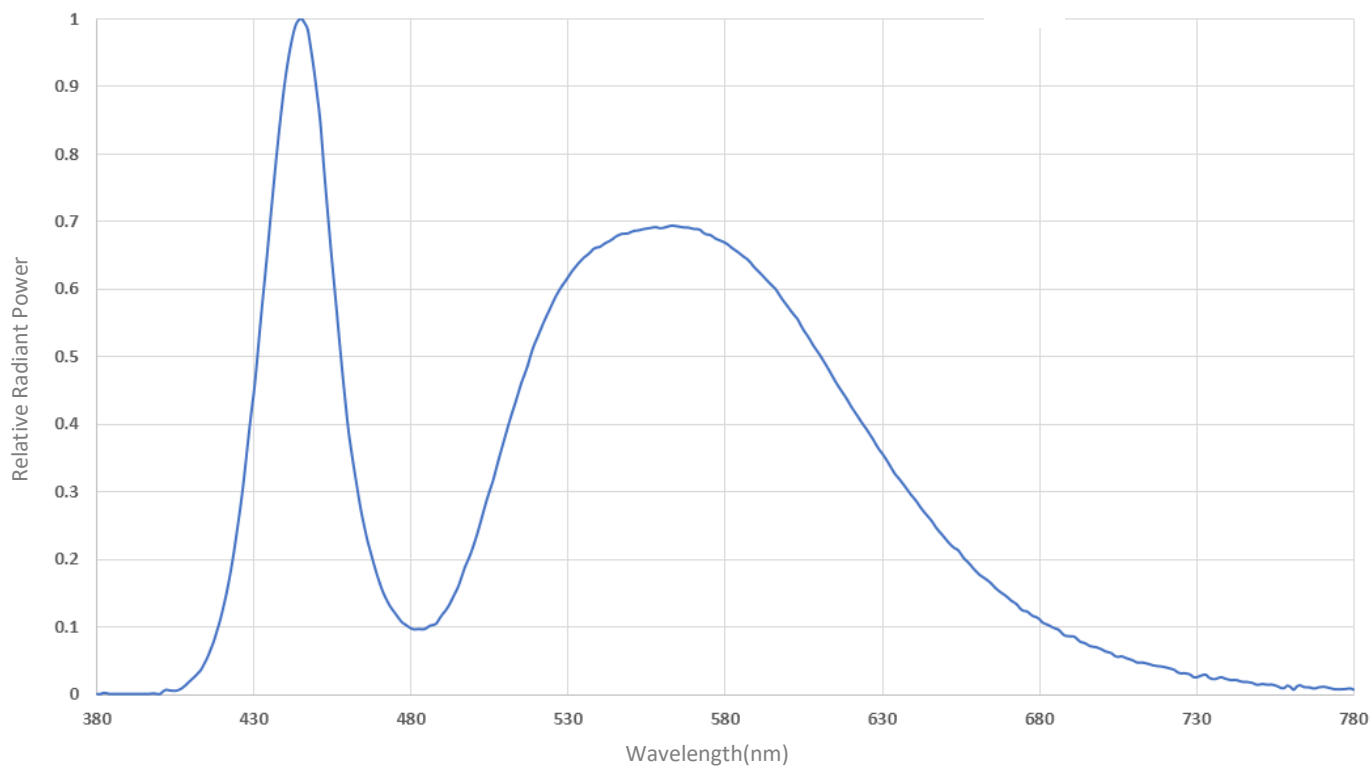


Focal Plane Illumination Distribution Diagram



Warning ! Keep away from the focus of light, it's easily get burned!

Spectrum:



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