

RFIL-10E3



Key parameters:

- CCT=5000±500K
- Full angle of illumination 50°
- Brightness adjustable in 255 levels
- Response time is less than 10 μs

Application features:

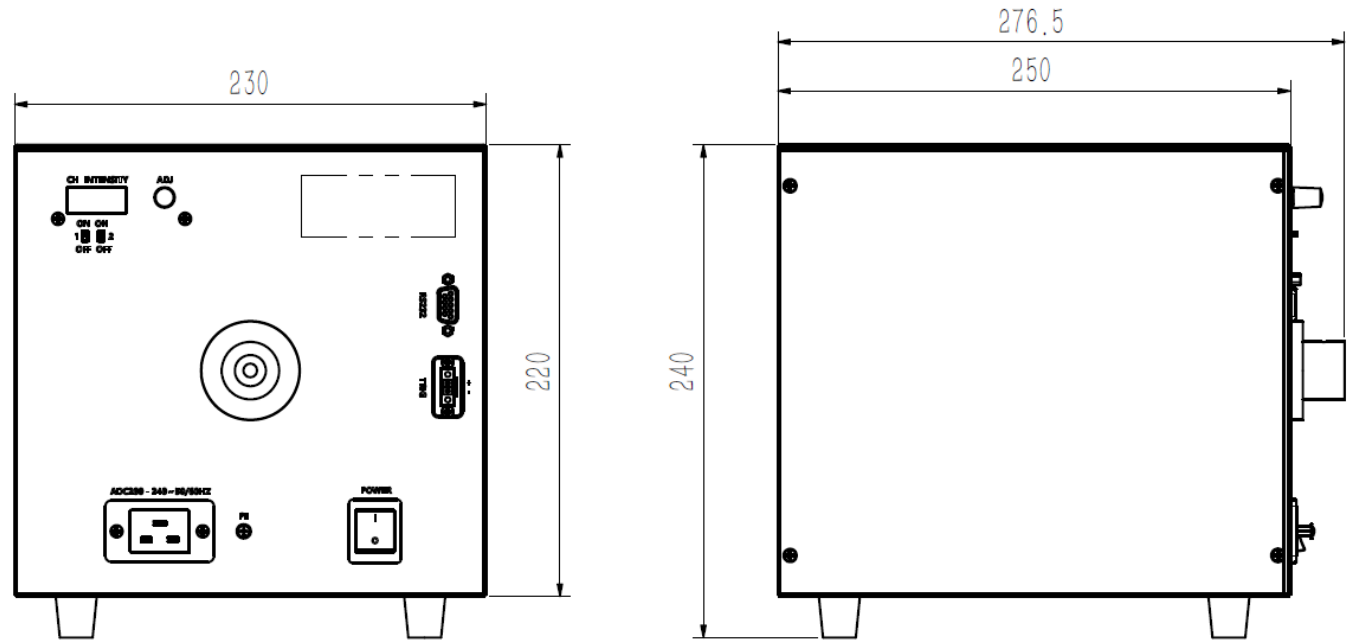
- Constant and strobe illumination
- Internal and external trigger modes
- Applicable fiber Φ6~Φ10mm
- Built-in driver board, compliant with EMC

Technical Data

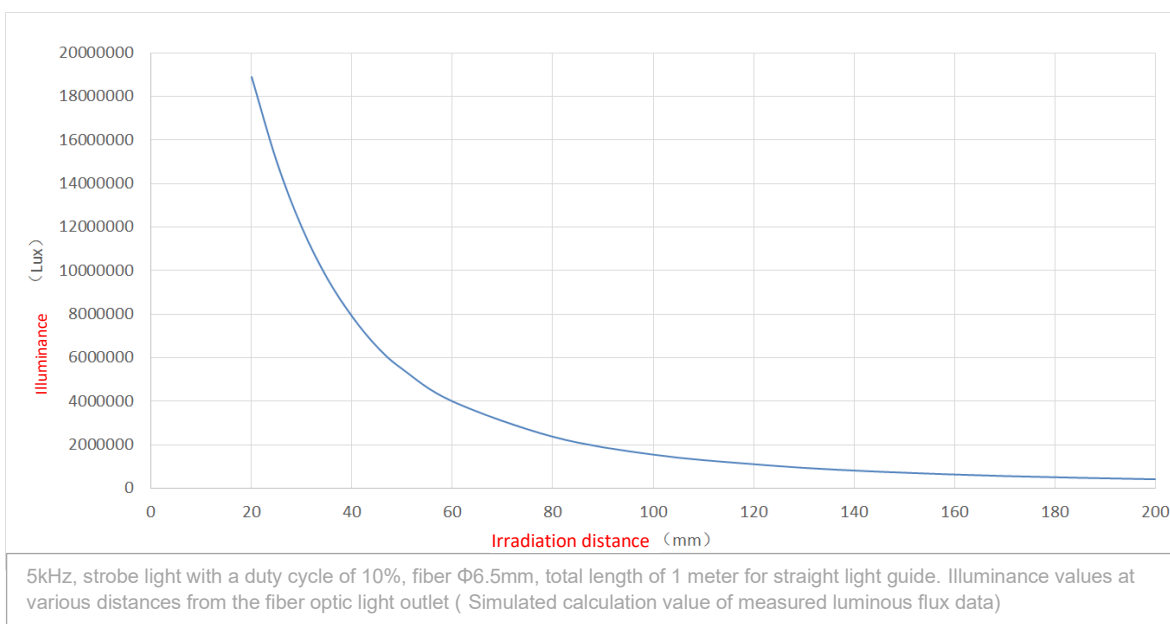
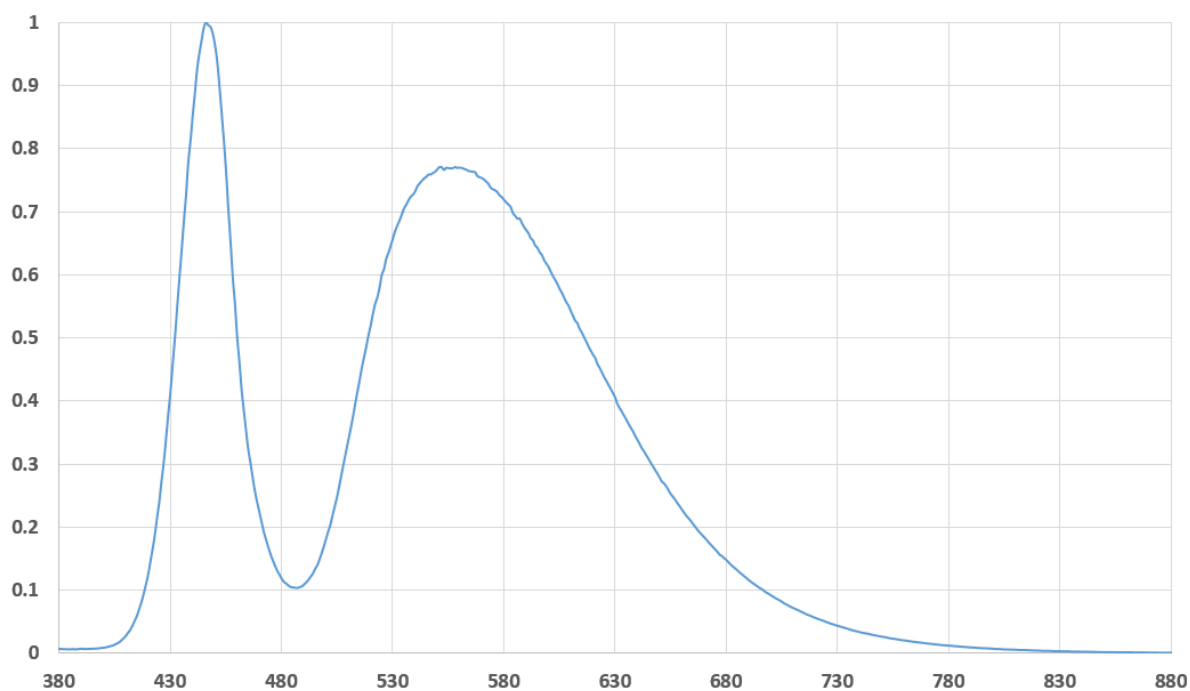
Parameter	Min	Typical	Max	Remarks/Conditions
Optical Data				
light source		LED		
CCT	4500K	5000K	5500K	After 1M, Φ8mm, NA0.55 fiber
Ra	65			
Constant flux		2100lm		
Illuminance at a 20mm distance		11 million lux		
5 kHz, duty cycle 10%, flashing luminous flux		3500lm		
Electric Data				
Input voltage	-10%	AC 220V	+10%	Customization acceptable
continuous power		80 W		Total power consumption
Strobe power		480W		Total power consumption
Current adjustment range	0		255	255 dimming levels
Dimensions and Weight				
Dimensions		As drawing		
Weight		6500g		Illuminator weight
Conditions				
Working temperature	-20℃		40℃	
Relative humidity			95%	
Transportation and storage	-20℃		80℃	
compliances				
IEC 61000-4-2:2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test			

IEC 61000-4-3:2020	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test
EN 55011:2016+A2:2021	Industrial, scientific and medical equipment – Radio-frequency disturbance
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 illuminator:



Illuminance variation curve with distance:

**Spectrum:****Continuous, 255level,after fiber**

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