

RGB 20W/25W LASER MODULE PRODUCT MANUAL



RGB 20 W

It is lightweight, convenient, easy to integrate, has good spot quality, stable performance, and high modulation efficiency. It is widely used in stage lighting, laser projection, outdoor lighting, laser positioning, laser communication, spectrum analysis, etc.

Wavelength range(nm)	638±5	525±5	450±5
Output Power (mW)	5.6	6	8.5
Spot type	All-fiber shaping		
Power stability(rms, over 4 hours)	<1		
Operating mode	CW		
Exit light spot(1/e2,mm)	5*7		
Light spot at 10 meters(1/e2,mm)	18*20		
Light spot at 20 meters(1/e2,mm)	30*28		
Divergence (mrad)	1.0 mard		
Preheat time (minutes)	<1minutes		
Light output height(mm)	40		
Operating temperature(°C)	-30°C~40°C		
Wavelength range(nm)	DC 48V	LMF350-23B48UH	
Output Power (mW)	>2VFull power light output, <2V Close the light	≈0.12V~4.95V	
Spot type	10000		
Power stability(rms, over 4 hours)	2year		



STARSHINE LIGHTS PRODUCT MANUAL





STARSHINE LIGHTS PRODUCT MANUAL



RGB 25 W

It is lightweight, convenient, easy to integrate, has good spot quality, stable performance, and high modulation efficiency. It is widely used in stage lighting, laser projection, outdoor lighting, laser positioning, laser communication, spectrum analysis, etc.

Wavelength range(nm)	638 ± 5	52 5± 5	4 50± 5
Output Power (mW)	7	8	1 0
Spot type	All-fiber shaping		
Power stability(rms, over 4 hours)	<1		
Operating mode	CW		
Exit light spot(1/e2,mm)	6.5 * 7		
Light spot at 10 meters(1/e2,mm)	18*20		
Light spot at 20 meters(1/e2,mm)	30*28		
Divergence (mrad)	1.0 mard		
Preheat time (minutes)	<1minutes		
Light output height(mm)	40		
Operating temperature(°C)	-30°C~40°C		
Wavelength range(nm)	DC 28 V	LMF350-23B 28 UH	
Output Power (mW)	>2V full power light, < 2V shut off light	≈0.12V~4.95V	
Spot type	10000		
Power stability(rms, over 4 hours)	2year		

STARSHINE LIGHTS PRODUCT MANUAL



Precautions:

- ★1. Lasers are potentially harmful to the human body and eyes. It is strictly forbidden to irradiate others with lasers, especially their eyes.
- ★ 2. The power supply itself has no key switch, and the power board and input wires are exposed. When the laser is connected to or removed from the circuit, it must be operated in a power-off state to prevent electric shock.
- ★ 3 It must be ensured that the temperature of the laser head shell is close to the appropriate operating temperature before the laser is turned on to avoid excessive temperature differences, which may affect the performance of the laser or damage the device.
- ★ 4. This product should be used in a dry, clean and static-free environment. The working environment temperature is 15-50°C. Avoid high temperature, high humidity and severe vibration and impact.
- ★5. Please do not adjust the potentiometer on the power board at will to avoid excessive current and damage to the circuit board or laser.
- ★6. Please take measures for external heat dissipation of the casing and try to keep the heat dissipation air path of the casing consistent with the heat dissipation air path of the module to prevent excessive temperature from affecting or damaging the laser.
- ★7. The voltage of this product is DC-24V. Please do not connect it to other power sources to avoid damaging the laser.



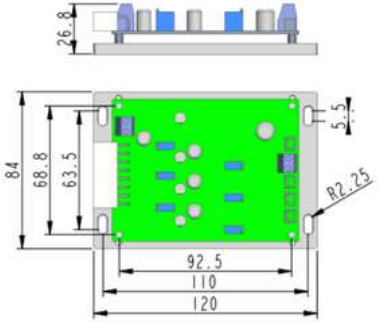
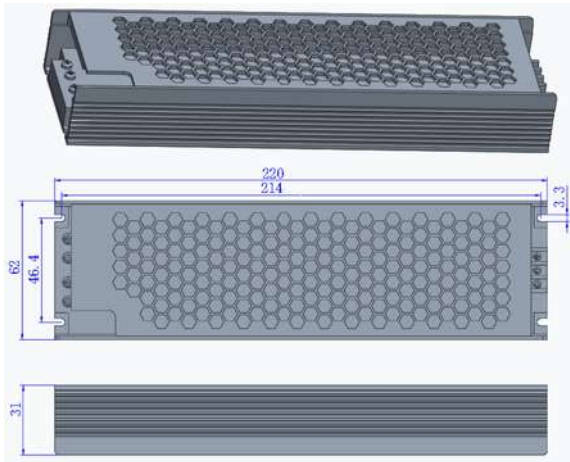
Module size	220(L) ×147(W) ×50.5(H) mm3





STARSHINE LIGHTS PRODUCT MANUAL



Module driver*1	LMF350-23B48UH*1
 120(L) × 84(W) × 26.85(H) mm³	 220(L) × 62(W) × 31(H) mm³