3KM OPTOELECTRONICS	Product Specification	Version
		V1.1
Product Type	Infrared Laser Lighting Module	
Product Name	IR-FF-850-800-T-00	
Product Number	K10060056	
Product Size	L*W*H=30*23*23mm	

Application Range:

Safe city, large-scale factory, intelligent transportation, on-board system, airport port, oil depot, security department, prison, water conservancy and electric power, energy mining, ecological protection, administrative law enforcement, fishery and sea surveillance, border defense and other night vision monitoring fill light.

Statement:

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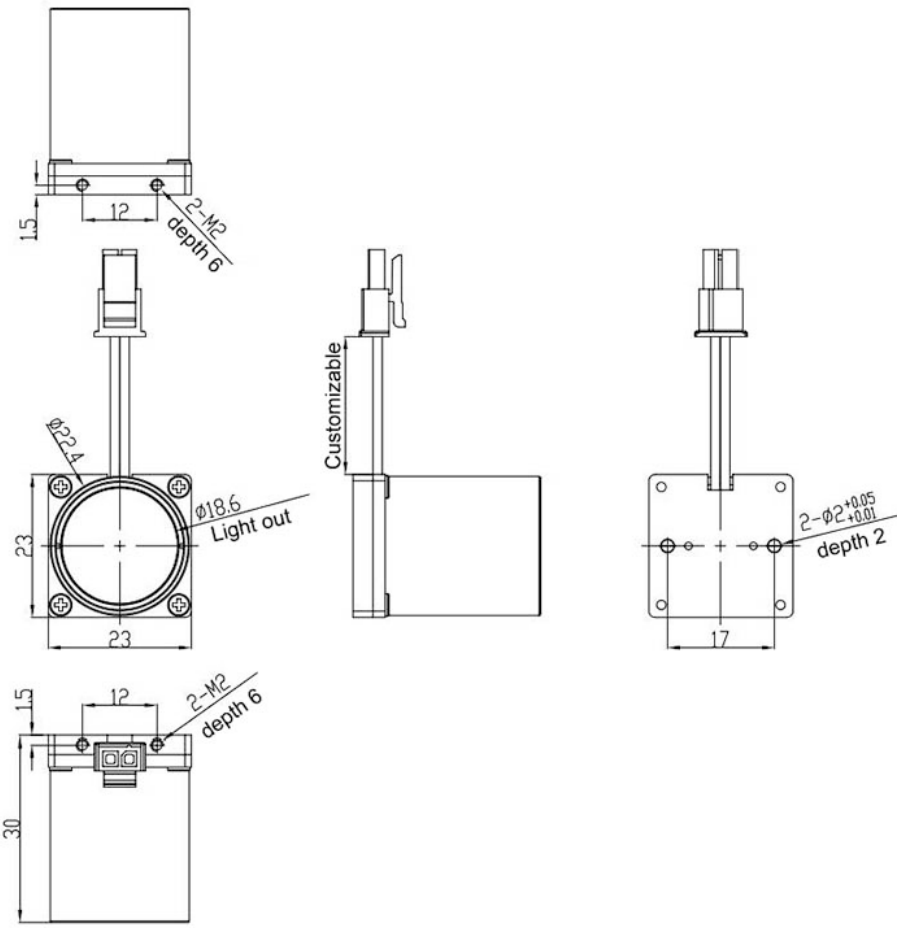
3KM Optoelectronics Technology Co., Ltd.		File Type: Specification
Prepared	LJJ	Apr 16, 2024
Review	Lzhj	Apr 16, 2024
Approve	wym	Apr 16, 2024

Optical and Electrical Parameters	
Item	**Parameters**
Size	L*W*H：30*23*23mm
Weight	≈100g
Input Voltage	DC 3V
Input Current	6A（Constant current drive）
Consumed Power	⩽18W
Output Optical Power（P_o）	4.0±0.5W
Center Laser Wavelength	850±10nm
Lighting Angle	2.5°±0.5°
Longest Lighting Distance	⩾800m
Operating Life	> 20000H
Storage Temperature	-50℃~+100℃
Operating Temperature	-35℃~+85℃（Adequate heat dissipation）
Laser Safety Distance	⩾36m
Environmental Standards	ROHS 2.0

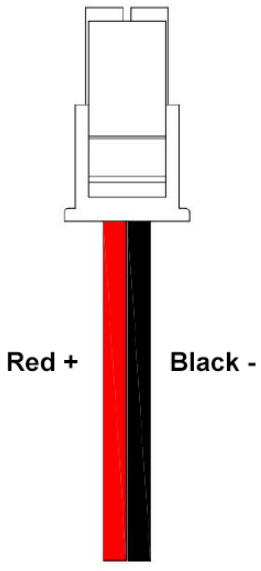
Product Size



unit: mm

Pin Definition

MCIRO-FIT (3.0) plug, 2-core black



Precautions

1.This product belongs to Class 3B invisible laser. When the laser light is on, it is strictly forbidden to use the eye to look back or use optical instruments to observe the laser beam.

2.Under normal use, it is forbidden to block flammable objects within 50cm in front of the lens to prevent fire.

3.During the use of this product, the product should be installed in a position that cannot be directly viewed by the human eye, or have a sufficient distance (>9m) from the position of the human eye. The manufacturer should flexibly select the radiation of the laser according to the monitored scene. Power to prevent damage to the human eye caused by the product.

4.When using the products of our company, the manufacturer should put a laser radiation warning label on the outside of the product.

5.If the manufacturer finds that the device is faulty during use, please send the product back to our company for repair. Do not disassemble it. After disassembly, no warranty will be made.

Contact Information

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