TAKHI-MP

PYROIS TECH

Fiber coupled Halogen Light Source

The TAKHI series comprises high power halogen light sources with a spectral range from VIS to NIR. They are conceived as user friendly, compact and being ideal for fluorescence, spectroscopy and general fiber illumination applications.

These light sources have been designed to obtain a high coupling efficiency to optical fiber through a SMA connector.

Characteristics

Optical characteristics	
Output connector	SMA 905
Spectral range	350 - 2250 nm
Typical optical power output (1)	6.2 mW

(1) Measured with an optical fiber (core diameter 600µm) and a Si photodiode (OPHIR™)

Light bulb specifications	
Power	12V/50W DC
Useful life (2)	2000 h
Color Temperature	2900 K
Luminous Flux	930 lm
Lamp holder	GY6.35

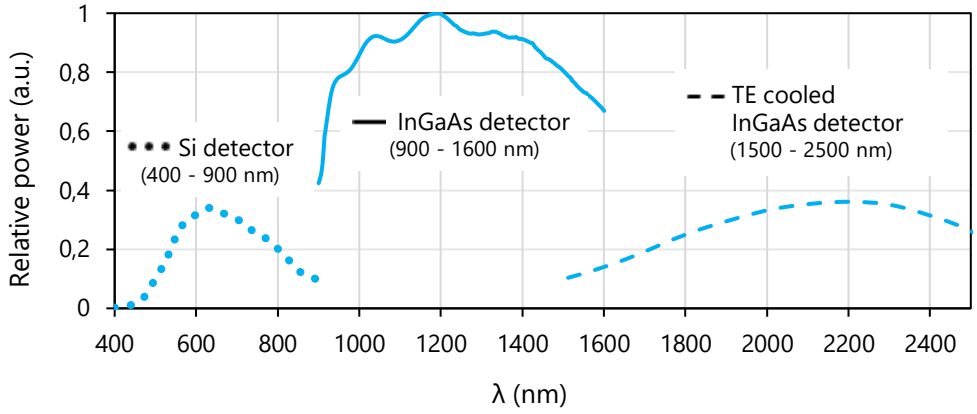
(2) To get replacement light bulbs, contact us through **info@pyroistech.com**

Electrical characteristics		
Power input (3)	Input Voltage	12 V
	Input Current	4.5 A max
	Connector type	DC female 2.1mm

(3) AC/DC adapter is included with the source. Input 100-240V , 50-60Hz.

Other characteristics	
Working T	15 - 25ºC
Humidity	<80% HR
Equipment Surface T	42ºC
Stabilization time	25 min typ.
Size	10.5 x 11.5 x 8 cm
Ventilation	2 fans
Weight	500 g

Spectral power distribution



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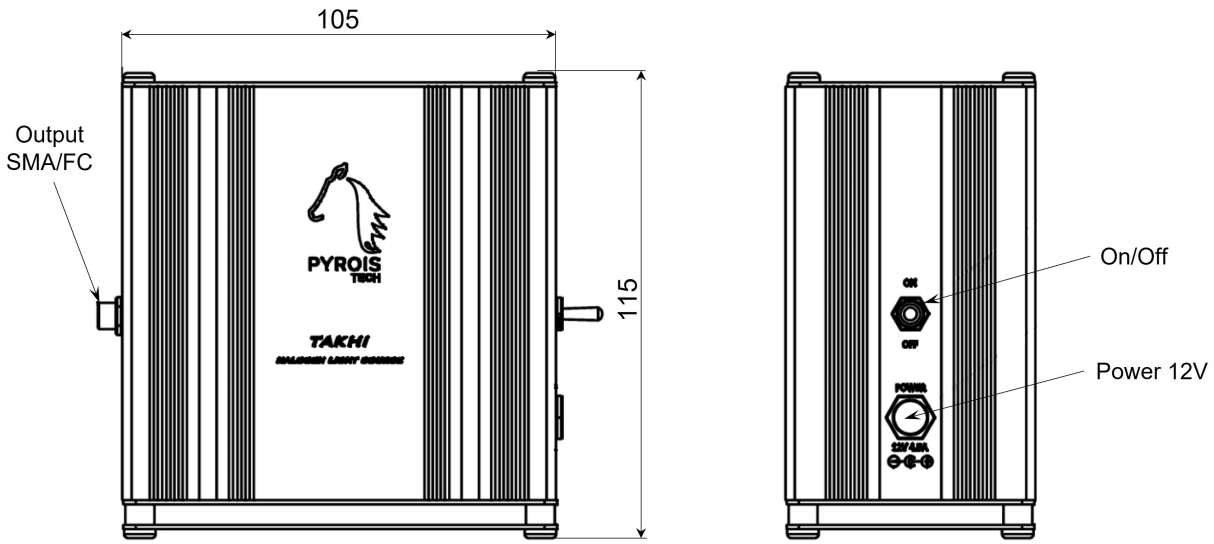


*all the dimensions are in mm

Operation

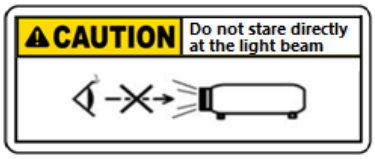
Connect a proper power source (included with the light source) prior to operation.

The light source includes a MODE control switch on the back. The MODE control switch on the back sets the operation mode between ON (up) and OFF (down).

TAKHI has two fans that cool the source by a flow in favor of natural convection.

Safety Notes

- Do not remove or modify any installed safety device on this equipment. Doing so will void your warranty and create an unsafe operating environment.
- Dangerous currents are present in this device. There are NO user serviceable parts inside.
- Only allow qualified personnel to service this unit.
- Inspect this unit and its power supply before using it for the first time.
- Do not use the unit if it is damaged in any way. Contact your dealer for repair or replacement information.
- During operation do not cover the source or obstruct the air flow for its refrigeration.
- Optical radiation can damage your eyes. Do not stare directly at the light source output.



The specifications indicated in this datasheet are subject to change without prior notice.

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