

LIGHTING MODULE FOR MICROSCOPE

HB-72 offers an useful 4 segments control function and can provide totally 15 kinds of lighting mode. One light with more then you can image function. High brightness and multi-function, it is the best choice for object that needs different radiate angle when observation. (※Made in Taiwan)



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(Enlarge Image)

Panel



- 1 4 segments control indicator.
- 2 S1, S2 lighting mode setup button.
- 3 0~100% brightness adjust dimmer.
- 4 Power switch.

Lighting Modes



Specification

Light

Light Source	72 high bright LED
Color	○/●/●/●/●/●/●
Luminance*1	37,000 Lux (White)
Color Temp.	5,500-6,500 K (White) 4,000-5,000 K (Yellow)

Electrical

Controller	Integrated
Intensity Control	Linear Regulation
LED Current Drive	Constant Current (CC)
Power Input	DC 24V/0.2A
Power Consumption	< 4W

Mechanical

Working Distance	60 – 150 mm
Inner Diameter	40 – 65 mm
Weight	198 g
Dimension (LxWxH)	138 x 89 x 25 mm

Functions

4 Segments Control	Totally 15 lighting mode can be setup.
Lighting Mode Save	Auto-save latest used lighting mode.

Environmental

Operate Temp. & Humidity	Temp. 0~45 °C, Hm. 20~85% (No condensing)
Storage Temp. & Humidity	Temp. -20~60 °C, Hm. 20~85% (No condensing)

Features



- (1) 72 high bright LED offer extreme high intensity brightness.
- (2) 40-65 mm inner diameter compatible with most microscopes.
- (3) Brightness adjustable from 0 to 100%.
- (4) Up to 15 kinds of lighting mode can be used.
- (5) Compact size, lighting body and controller combine together.
- (6) Easy installation rubber cushion protect thumb screw, no scratch on lens.
- (7) Offered ring color from White to Yellow, Red, UV, IR and else.
- (8) CE and RoHS compliance.

Application

- Compatible with various kinds of stereo microscopes for Biological, Electronic, Jewelry and Metallographic inspection.
- Lighting source for digital or CCD camera for Medical, Metallographic or Micro-vision photographic use.
- As a auxiliary illumination to work with goose neck lighting.

Comparison

	HB-seris LED Ring Light	18W Fluorescent Light	150W Halogen Light
Color Rendering	Good	No Good	Good
Cool / Warm Light	Cool light	Cool light	Warm Light
Volume (Include controller)	Compact size	Medium size	Large size
Weight (Include controller)	Light	Medium	Heavy
Warm up when started	Unnecessary	Necessary	Necessary
Waiting for power off	Unnecessary	Unnecessary	Necessary
Intensity drop	Low	Medium	Low, but short bulb life.
Light Stability	Flicker free	Flicker	Flicker free
Noise	No noise	Ballast humming	Fan spinning noise
Power Consumption	3 W	18 W	150 W
Electricity Usage (kWh of electricity used over 100,000 hr)	300 kWh	1,800 kWh	15,000 kWh
Cost of Electricity (100,000 hr at 10 ¢/kWh)	\$ 30-	\$ 180-	\$ 1,500-
Life Span (How long will the light last?)	Up to 100,000 hr	About 1,500 hr	About 500 hr
Bulb Used (Over 100,000 hour period)	1	67	200