

# LS-L109

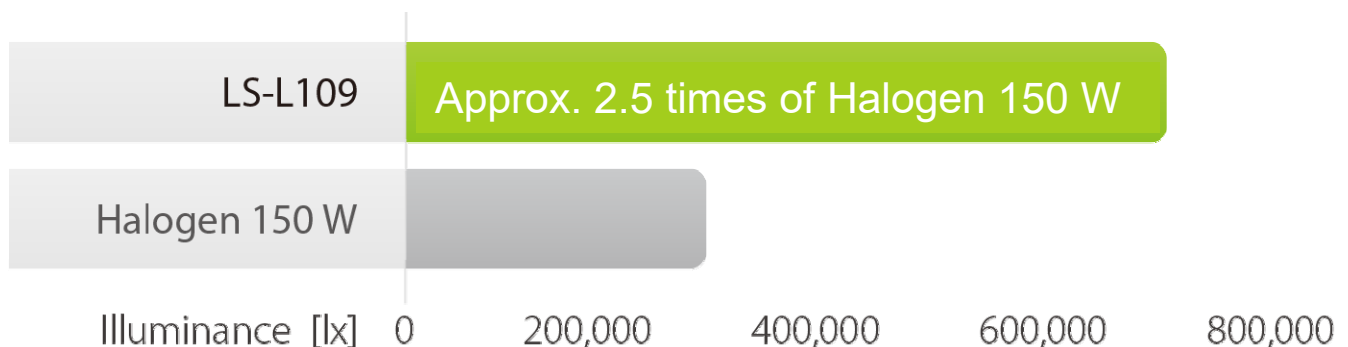
## LED Light Source



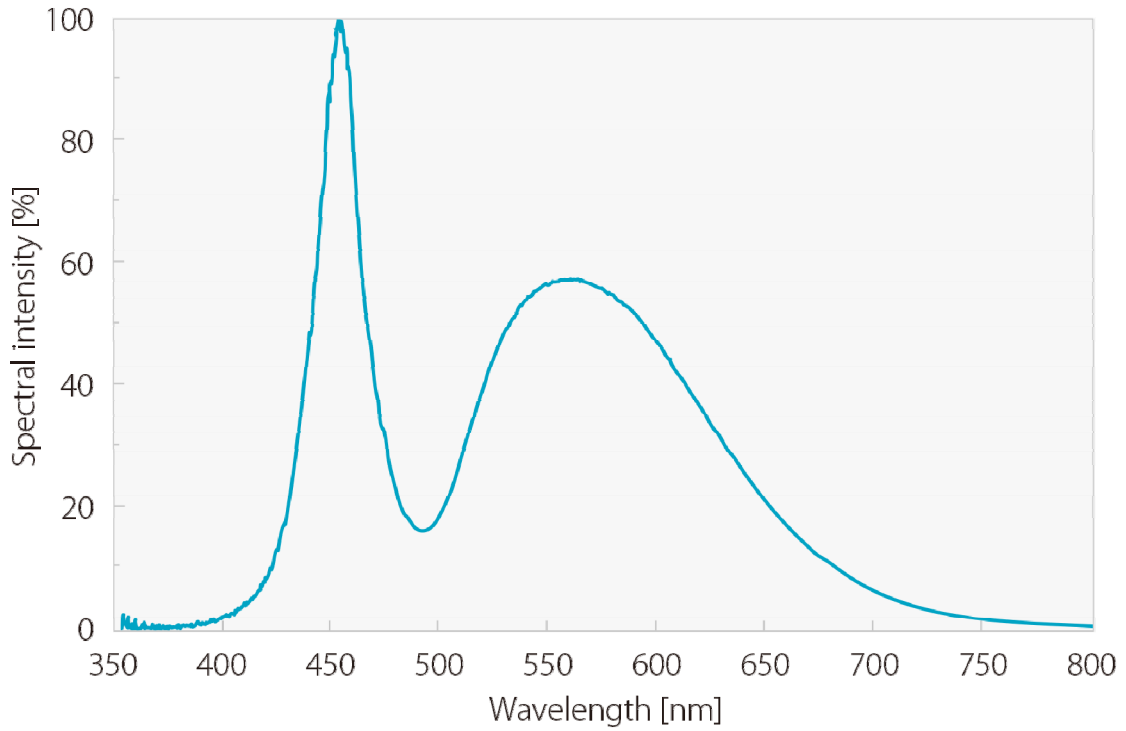
- Light intensity: Approx. 2.5 times higher than that of halogen 150 W
- Electricity consumption: 100 W (approx. 50% reduction compared to that of halogen 150 W light source)
- Adaptable fiber bundle diameter: 5 / 8 / 10 / 14 / 16
- Long lifetime: Approx. 30,000 hours
- Various remote light control functions: Ethernet, 8-bit digital light control (0 - 5 V light control is available upon request)
- Rated input voltage: AC 100 - 240 V, 50/60 Hz

### ◆ Illuminance Comparison

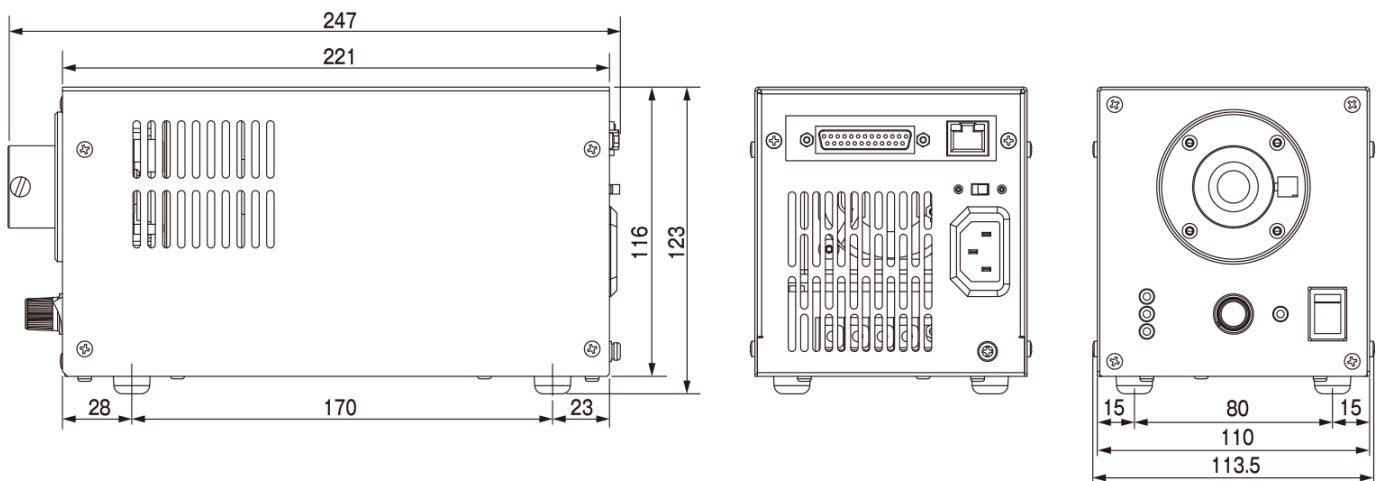
Illuminance data, measured at 50 mm in working distance, with a maximum light intensity, and fiber diameter of 10 mm



## ◆ Spectral Diagram



## ◆ LS-L109 Light Source



## ◆ Specifications

Model	LS-L109
Rated input voltage	AC100 - 240V 50/60Hz
Power consumption	100W
LED color	White
Average illuminance *1	700,000 lx
Light control method	Variable current control
Light control	- Manual: Turn volume knob on front face - Remote: Ethernet, 8-bit digital light control Analog light control (DC0 – 5 V) is available upon request
Operating environment	Temperature: 0 - 40°C Humidity: 20 – 80% RH (non-condensation)
Cooling system	Forced-air cooling
LED lifetime *2	Approx. 30,000 hours
Color temperature	Approx. 6,500K
Lighting system	DC lighting
Alarm function	LED temperature, LED state, and fan speed
Environmental compatibility	RoHS compliant
External dimensions	W110 x H116 x D221 [mm] (excluding protrusions)
Weight	Approx. 2.6 kg

\*1 Reference value measured at 50 mm distance from the output end with SUMITA's standard light guide (1,000 mm long, bundle diameter of 10 mm, and maximum light quantity).

\*2 LED lifetime depends on operating temperature. This data is a reference and not guaranteed.