

# LED Light Source Device | SLA-HDF108AA



Catalog Code W5023

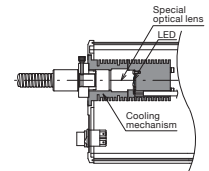
LED light source using high-intensity white light offers approximately 100W halogen illumination.

- Passive cooling design offers low-noise and environmentally friendly.
- High reliability and easy control.
- Long-term life, approximately 15 to 30 times longer than halogen light source.
- Significantly reduce maintenance work (not required lamp changes at a regular frequency).

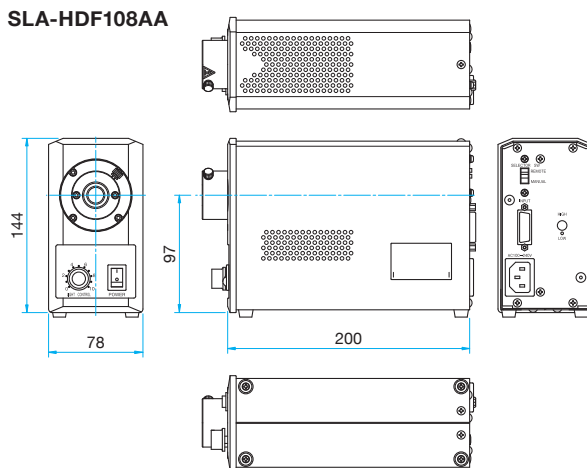


### Guide

- ▶ Optional adapters available and compatible with other light guides (Note that some light guides are incompatible).
- ▶ Light guides sold separately.
- ▶ **Reference** H037
- ▶ Unique optical and passive cooling design (fanless).
- ▶ Low heat and power consumption (20W).
- ▶ Power consumption reduced by 67-89% compared to halogen light source.
- ▶ Optional color filters can be mounted in the light guide. Contact our International Sales Division for more information.



### Outline Drawing (Units: mm)



### Specifications

Part Number	SLA-HDF108AA		
Luminescence Color	White light		
Color Temperature (typ.)	6500K <sup>*1</sup>		
Rated Input Voltage	AC100V – 240V±10%		
Power Consumption	18W		
Input Frequency	50/60Hz		
Function and Dimming	(1) LED light ON/OFF function (2) Continuous dimming by manual full dimming volume (3) Remote: Analog input voltage DC0V – +5V * 8bit digital dimming is optional (contact us separately)		
Cooling Method	Natural cooling		
Environment Conditions	Ambient temperature: 0°C – +40°C Ambient humidity: 20% – 80%RH (without condensation) Indoor use altitude: Up to 2,000m		
Average Luminance <sup>*2</sup>	φ5mm	φ8mm	
	(W.D.=100mm)	26,000lx	79,000lx
	(W.D.=50mm)	100,000lx	300,000lx
	(W.D.=15mm)	820,000lx	1,800,000lx
LED Life	30,000H <sup>*3</sup>		
External Dimensions [mm]	(W)78×(H)144×(D)200 (excluding protrusions)		
Weight [kg]	2.0 (excluding the power cord)		

<sup>\*1</sup> Color temperature: Reference value  
<sup>\*2</sup> Illuminance: Reference values measured at each working distance (W.D.) from the edge of light guide (straight type, length=500mm)  
<sup>\*3</sup> Life: Varies depending on the usage environment temperature. Not a guaranteed value.

### Option ■ Light Guide Adapter Compatibility SLA-ADP

Part Number	Compatible Light Guide	Specifications
SLA-ADP-SU*		φ13mm L=15mm
SLA-ADP-MO		φ15mm L=37mm
SLA-ADP-HO		φ15mm L=31mm
SLA-ADP-HA		φ15mm L=20mm

\* SLA-HDF108AA comes with SLA-ADP-SU as standard.  
 Note) Some light guides are incompatible with compatibility adapters.

### Spectral intensity comparison

