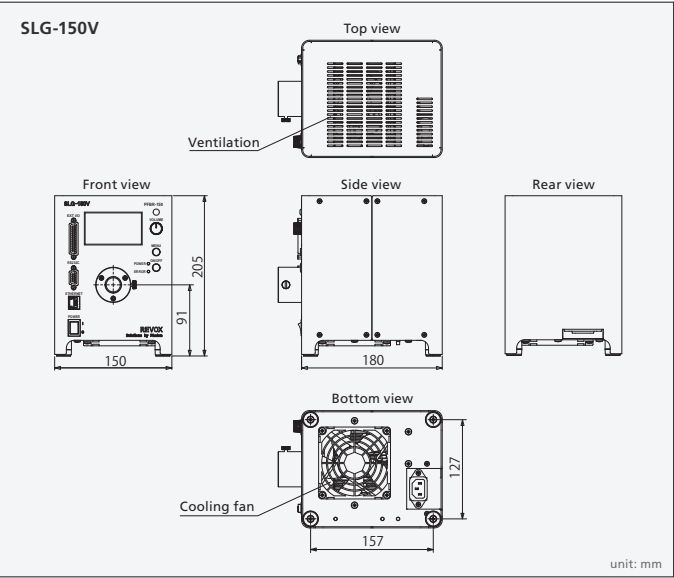


■ Technical specifications

Model No.	SLG-150V
Attachable light guide	OF Ø 8 to 14 mm
Light distribution angle	30° (full angle)
LED color	White
Relative color temperature (typ.)	6500 K
Drive method	Constant current drive
Illuminance control	Variable current control
Number of channels	1 Channel
Input power supply	AC 100 to 240 V (±10%) 50/60 Hz [For usage in Japan: AC 100 V (±10%) 50/60 Hz]
Power consumption (typ.)	200 VA [For usage in Japan: AC 100 V, 180 W]
Inrush current (typ.)	15 A at 100 VAC, 30 A at 200 VAC from a cold start
Ground leakage current	3.5 mA max. (264 VAC, 60 Hz, with no load) [For usage in Japan: 1 mA max. (AC 100 V, 60 Hz, with no load)]
Insulation withstand voltage (Input FG)	1500 VAC for one minute cutoff current: 10 mA 500 VDC, 20 MΩ, min.
Operating environment (without condensation)	Temperature: 5 to 40°C, Humidity: 20 to 80% RH Altitude: 2000 m max. Transient overcurrent: Category II, Pollution level 2
Storage environment (without condensation)	Temperature: -15 to 60°C, Humidity: 20 to 80% RH
Cooling method	Forced cooling
CE marking	Safety standards: EN61010-1 EMC standards: EN61000-6-2, EN61000-6-4
PSE	Conforms to technical standard
Environmental regulations	RoHS compliant
Material	Alumited aluminium alloy
Weight	Approx. 3.9 kg
Accessories	Instruction guide

■ External view and dimensions

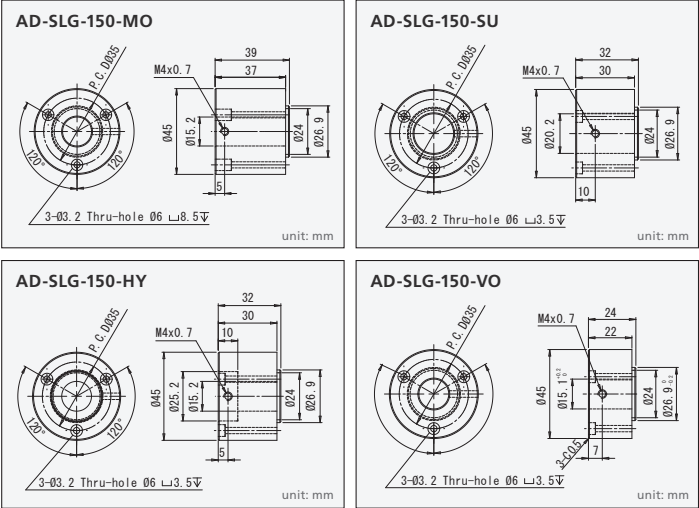


\* The ferrule shape may be changed in accordance with order details.

**Note:** Please carefully read the operation instruction guide prior to use. The above specifications are subject to change without notice.

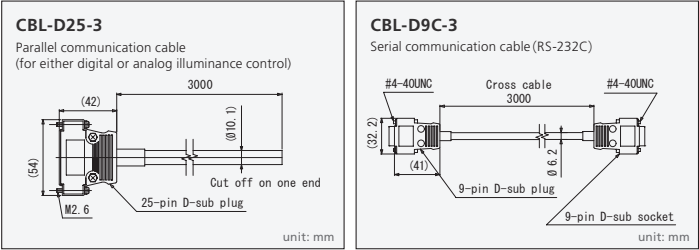
■ Options

■ Ferrules



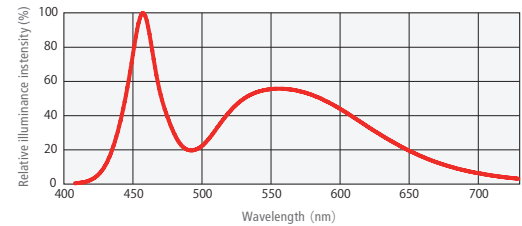
\* A ferrule is not provided with SLG-150V. Please order separately.  
\* For ferrules other than those shown, please inquire (info@revox.jp).

■ External control cable

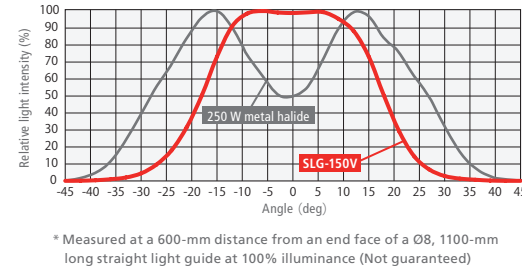


■ Reference

■ Spectral distribution characteristics



■ Light distribution characteristics



\* Measured at a 600-mm distance from an end face of a Ø8, 1100-mm long straight light guide at 100% illuminance (Not guaranteed)

Creating the future with light



LIGHTING FOR WEB & SURFACE INSPECTION

MACHINE VISION PRODUCTS

**SLG-150V** LED fiber optic illuminator

Achieves the industry's highest illuminance at 2,000,000 lx.  
Exceeds 250 W metal halides.

**HIGH POWER**  
**2,000,000 lx**



SAFETY INFORMATION

SLG-150V emits high intensity visible light. Heat-sensitive or flammable light-absorbing materials may be damaged by heat from incident light. Please carefully read the operation instruction guide to ensure optimum performance and safety.



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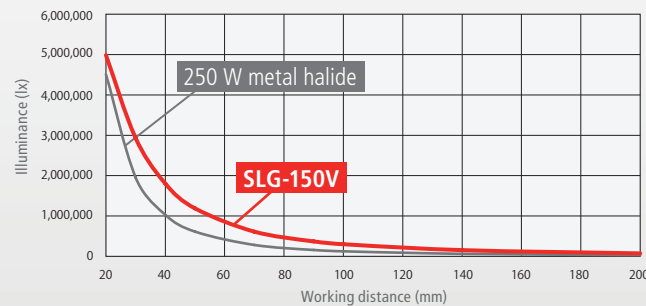
# LED FIBER OPTIC ILLUMINATOR SLG-150V

## HIGH POWER 2,000,000 lx

Achieves the industry's highest illuminance at 2,000,000 lx.  
Exceeds 250W metal halides.

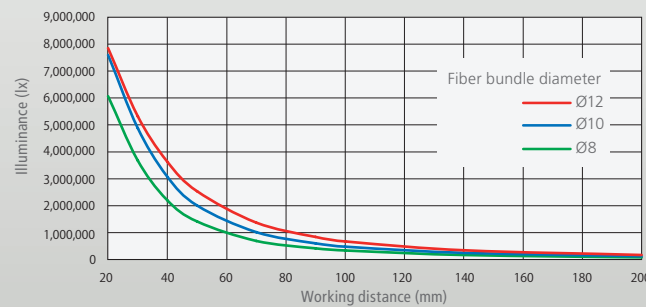
\* Measured at a 50-mm distance from an end face of a Ø10, 1080-mm long straight light guide  
(As of Feb. 2014)

### ■ Illuminance comparison between SLG-150V and 250 W metal halides



\* Measured at each of the above given distance from an end face of a Ø8, 1100-mm long straight light guide at 100% illuminance (Not guaranteed)

### ■ Wide suitability to light guides of various fiber bundle diameters



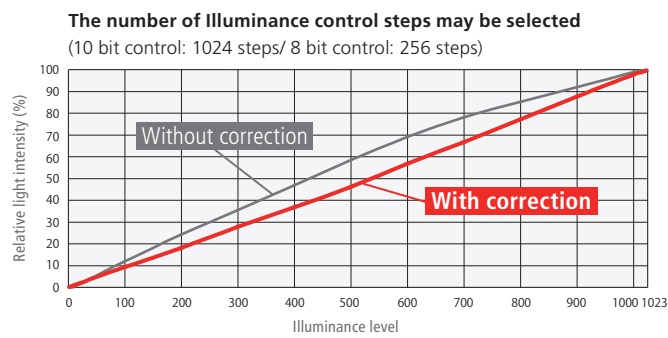
\* Measured at each of the above given distance from fiber end faces of 1080-mm long straight light guides (Ø8 mm, Ø10 mm and Ø12 mm) at 100% illuminance (Not guaranteed)



## HIGH LINEARITY

Reproducible linearity characteristics /  
1024-step illuminance control

- Unique linearity correction function pre-installed
- Identical linearity characteristics programmable with multiple units



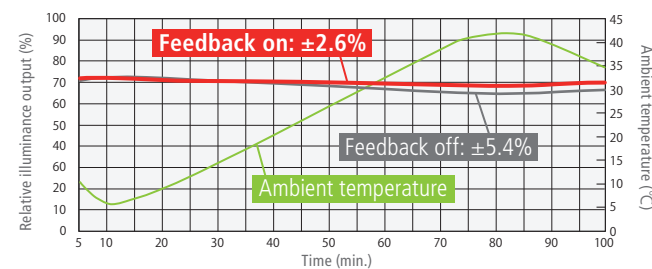
\* Actual value measured in accordance with our measurement standards  
\* Linearity correction function is always effective.

## FEEDBACK FUNCTION

Light intensity feedback and stabilizer function  
pre-installed

- Light output is stable even under unstable conditions.

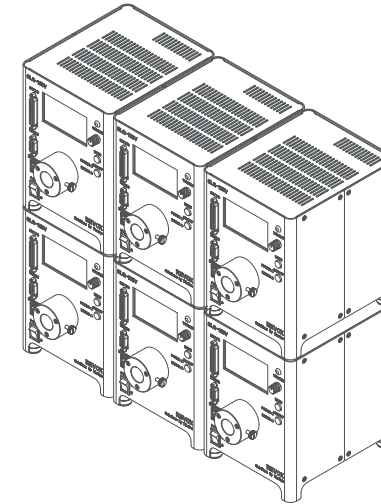
Brightness fluctuation can be minimized within a range of  $\pm 3\%$   
Feedback function is available in a wide range of operating temperatures  
(Operating temperature: 5 to 40°C, illuminance level from 40 to 80%)



\* Actual value measured in accordance with our measurement standards  
\* Default feedback function status is off.

## SPACE-SAVING

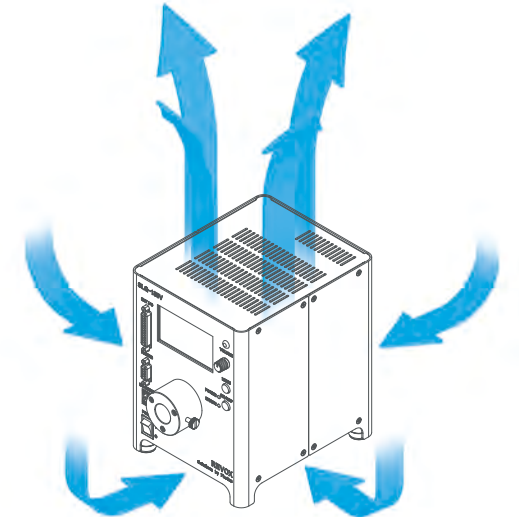
SLG-150V can be placed without clearance along side  
and rear faces. Control panel space can be reduced.



\* Stacking one SLG-150V on top of another is possible only in proper operating environments.

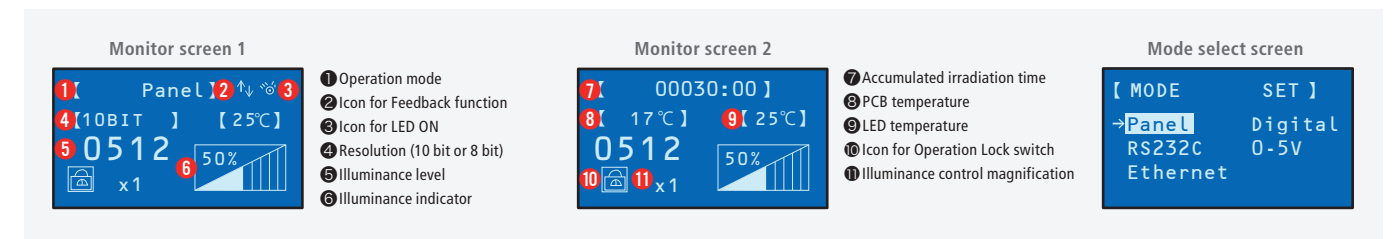
## COOLING MECHANISM

LED light intensity is maximized by highly efficient  
driving enabled by superior cooling mechanism.



## ■ Monitor function to check operation status and history

- LED temperature, PCB temperature and accumulated operating time are displayable on the LCD.



\* Please refer to the operation instruction guide for more details.

## ■ Various external control modes available

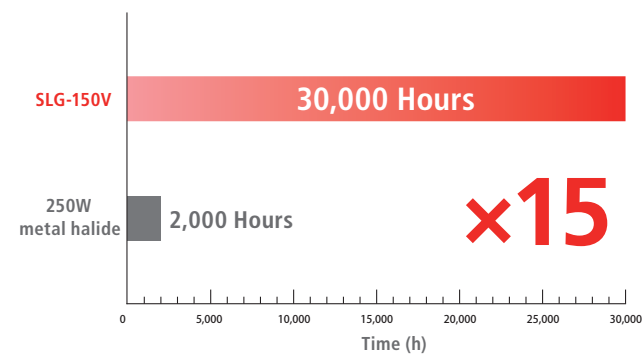
- Digital communication control: for both sink type and source type
- Serial communication control: RS-232C
- Ethernet communication control: TCP/IP, UDP/IP protocol
- Analog communication control: Analog 0 to 5 V illuminance control  
(Illuminance lock function available)

## ■ Optical and mechanical semi-customization

- Optimization to various fiber bundle diameters from Ø 3 to 22 mm.
- Linearity characteristics can be adjusted to desired values.
- Ferrules can be customized upon request.
- Light distribution can be optimized by optical lens semi-customization.

## ■ Long life 30,000 hours

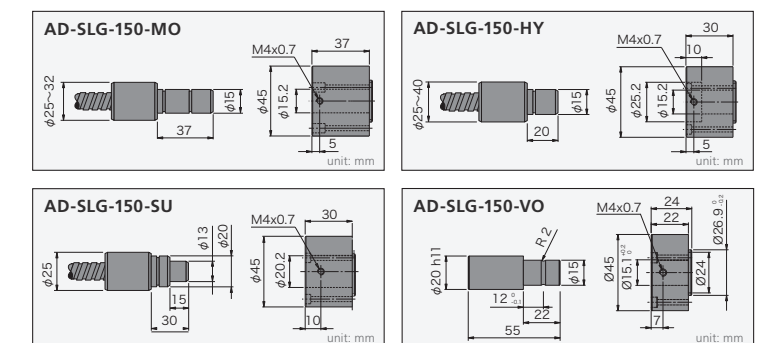
- Comparison of life span between SLG-150V and 250W metal halides



\* Calculated value until light output decreases to 70% at maximum illuminance and 25°C ambient temperature (not guaranteed)

## ■ Standard ferrules for 4 types light guide

Select your ferrule referring to the followings dimensions:



\* For ferrules other than those shown above, please inquire (info@revox.jp)  
\* Plastic optical fiber light guide cannot be used.