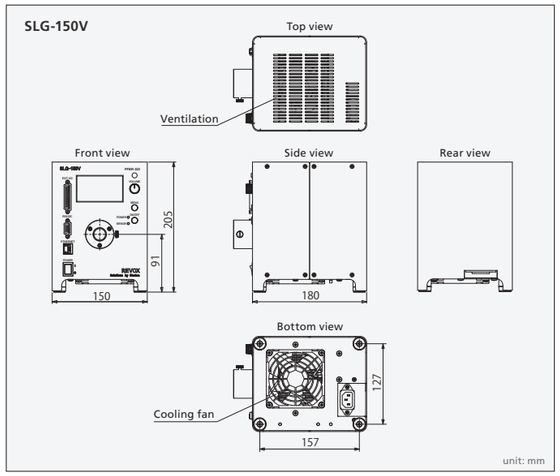
## Technical specifications

| | |
|---|---|
| **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<br>[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)<br>[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<br>500 VDC, 20 MΩ, min. |
| **Operating environment** (without condensation) | Temperature: 5 to 40℃, Humidity: 20 to 80% RH<br>Altitude: 2000 m max.<br>Transient overcurrent: Category II, Pollution level 2 |
| **Storage environment** (without condensation) | Temperature: -15 to 60℃, Humidity: 20 to 80% RH |
| **Cooling method** | Forced cooling |
| **CE marking** | Safety standards: EN61010-1<br>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 |

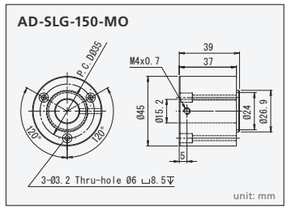
## External view and dimensions

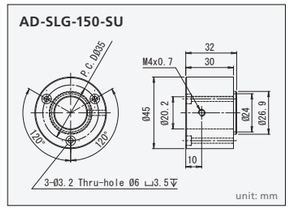


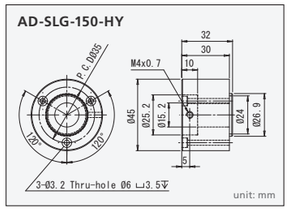

* The ferrule shape may be changed in accordance with order details.

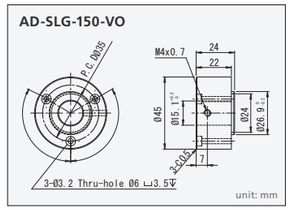
## Options

### Ferrules



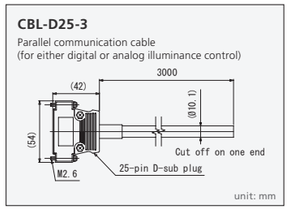



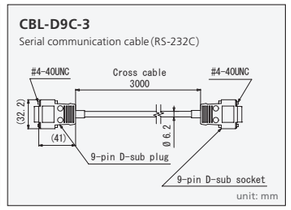




* A ferrule is not provided with SLG-150V. Please order separately.
* For ferrules other than those shown, please inquire (info@revox.jp).

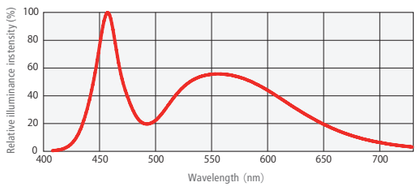
### External control cable



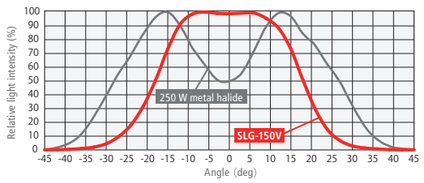




## Reference

### 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)

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

REVOX
Solutions by Photon

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.

LED FIBER OPTIC ILLUMINATOR

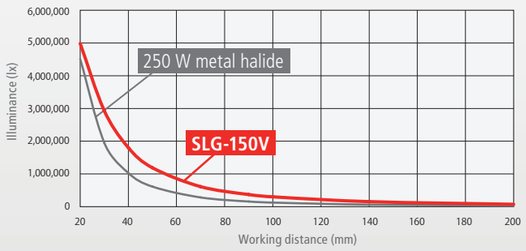
# SLG-150V

## HIGH POWER 2,000,000 lx

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

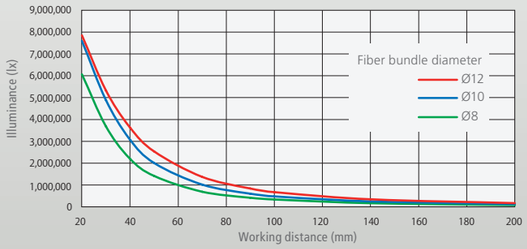
* Measured at a 50-mm distance from an end face of a Ø10, 1080-mm long straight light guide (As of Feb. 2014)

**▪ 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)

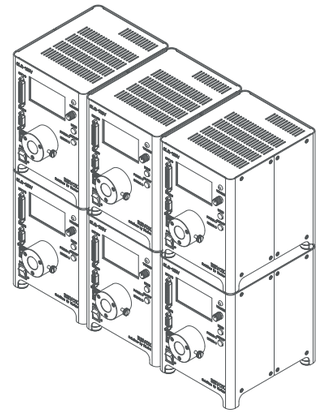
**▪ Wide suitability to light guides of various fiber bundle diameters**




* 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)


## SPACE-SAVING

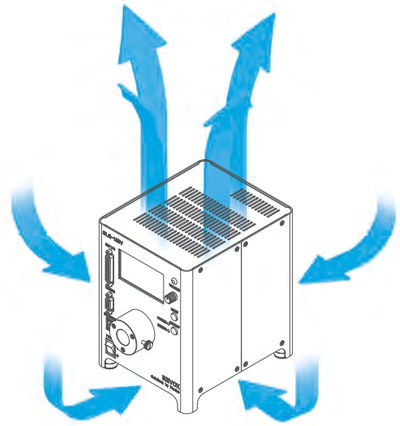
SLG-150V can be placed without clearance along side and rear faces. Control panel space can be reduced.



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

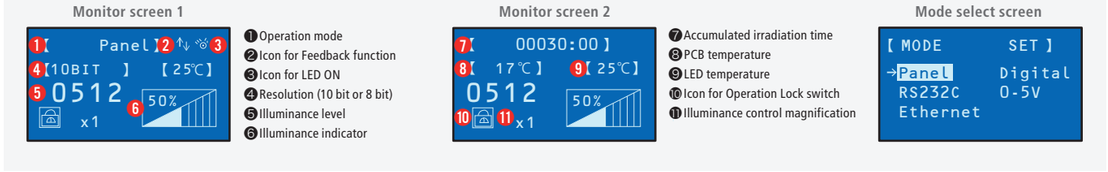
## COOLING MECHANISM

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.**



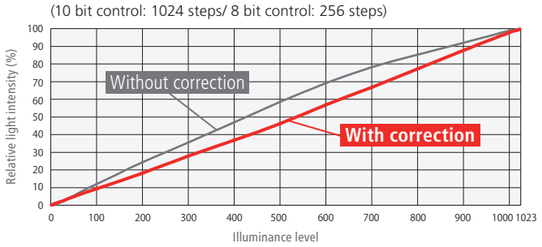

* Please refer to the operation instruction guide for more details.

## HIGH LINEARITY

Reproducible linearity characteristics /
1024-step illuminance control

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

**The number of Illuminance control steps may be selected**
(10 bit control: 1024 steps/ 8 bit control: 256 steps)



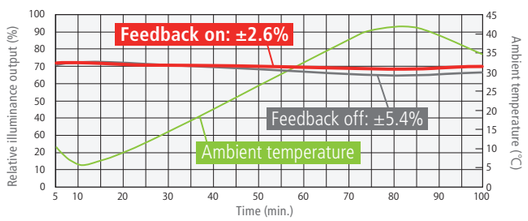

* Actual value measured in accordance with our measurement standards
* Linearity correction function is always effective.

## 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 ± 3%
Feedback function is available in a wide range of operating temeratures
(Operating temperature: 5 to 40℃, illuminance level from 40 to 80%)




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

## Various external control modes available

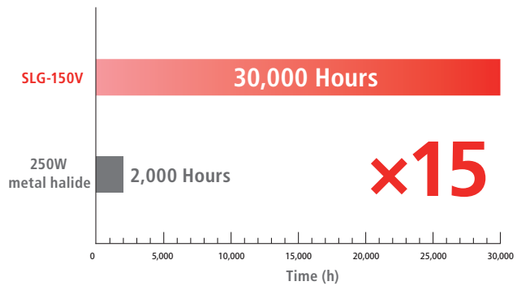
- **Digital communication control:** for both sink type and source type
- **Serial communication control:** RS-232C
- **Ethernet communication control:** TCP/IP, UDP/IP protocol
- **Analog communication control:** Analog 0 to 5 V illuminance control
  (Illuminance lock function available)

## 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

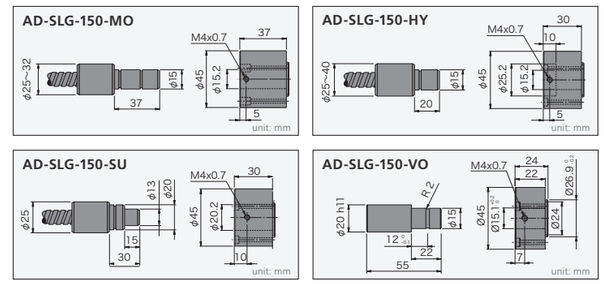
- Comparison of life span between SLG-150V and 250W metal halides




* Calculated value until light output decreases to 70% at maximum illuminance and 25℃ 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.