REVOX
Solutions by Photon

LED Fiber Optic Illuminator

SLG-150V-X/165V-X

Optimal solution for higher illuminance

*Brighter model of SLG-150V series**

* 40% higher illuminance than existing model

ILLUMINANCE 40% UP

REVOX.JP

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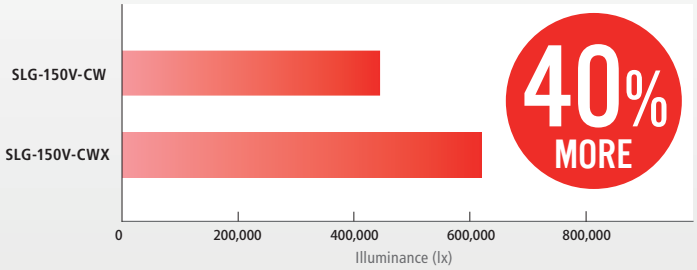
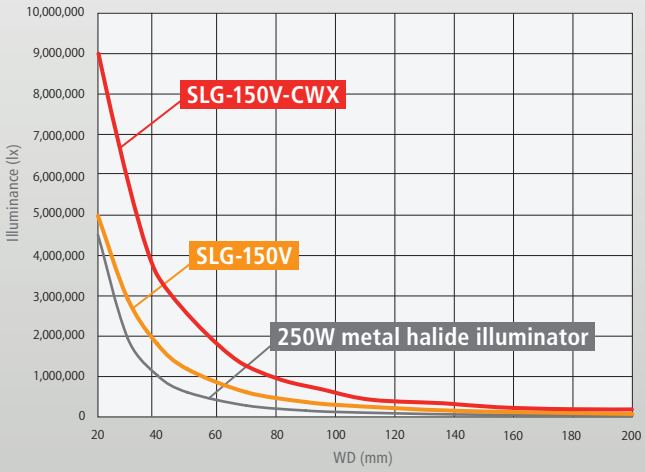
High power illuminance | 40% higher illuminance



* Measured with a 8-mm dia. 1100-mm long straight light guide, at WD=100 (not guaranteed)
* Comparison with the existing model

High intensity | Brighter than 250W metal halide illuminator

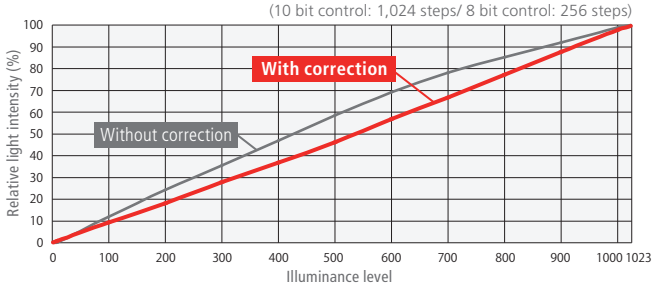


* Actual values measured at each WD with a 8-mm dia. 1100-mm long straight light guide, at dimming level 100% (not guaranteed)

Linearity | Linearity correction function

- **Unique linearity correction function available**
- **Realizing reproducible linearity characteristics**

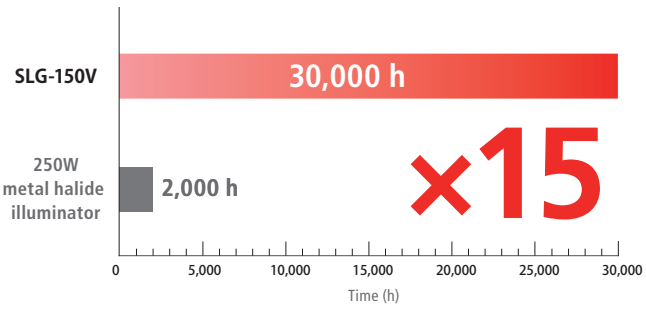
The number of illuminance control steps can be selected.
(10 bit control: 1,024 steps/ 8 bit control: 256 steps)



* Actual values measured in accordance with our measurement standards (not guaranteed)
* Linearity correction function is always effective.

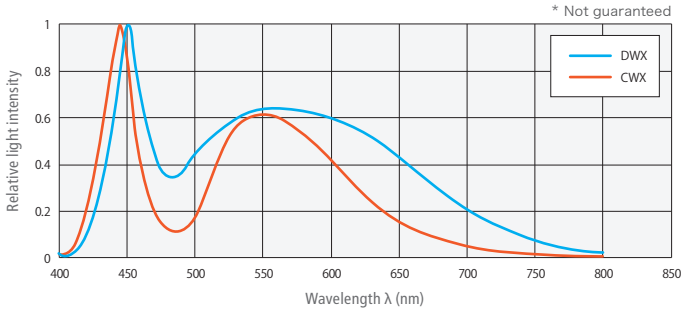
Long life | Long life over 30,000 hours

- Comparison of life span between SLG-150V series and 250W metal halide illuminator



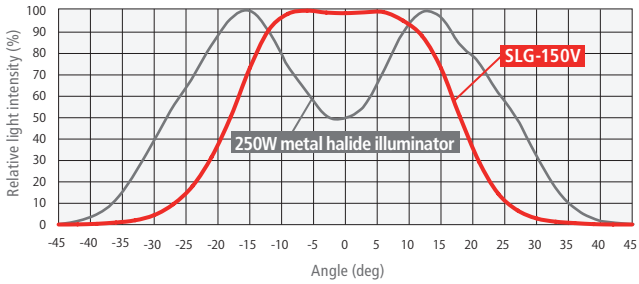
* Calculated value until light output decreases to 70% at dimming level 100% and 25°C ambient temperature. (not guaranteed)

Spectral distribution



Light distribution

* Measured with a 8-mm dia. 1100-mm long straight light guide, at the point of WD=600, dimming level 100% (not guaranteed)



FEED BACK system

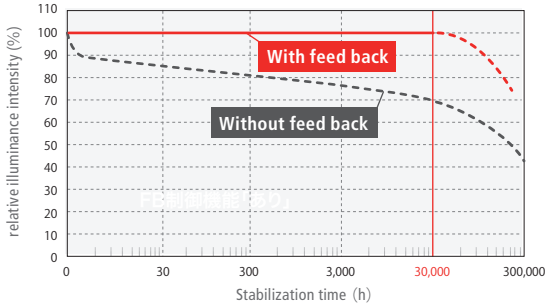
Illuminance correction function for age deterioration of LEDs

Stable long-term output is maintained with feed back control by monitoring light intensity with a PD sensor.

This function prevent decrease of detection accuracy caused by age deterioration of an LED during an image inspection process.

* Stabilization period varies depending on a dimming level

Comparison of relative intensity with/ without feedback function (concept image)



* Relative illuminance intensity 100% is a set value of calibration. Calibration accuracy is within 5%.

SLG-165V Features

※Please use our recommended filters.

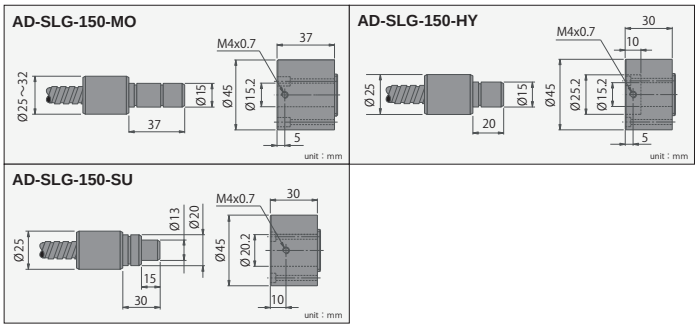
- **Five-slot filter changer attached to SLG-150V**
- **Filter-change speed is 120 msec. or less**
- **Filters can be changed easily by removing the front cover**
- **Filter changer can be controlled with the same control methods for dimming**

Filter size: diameter 26.5(±0.5) mm, thickness up to 1.2mm (standard), from 1.2 to 3.0 mm (with filter collar)※1

※1 Filter collar option is necessary when using a filter whose thickness is more than 1.2mm

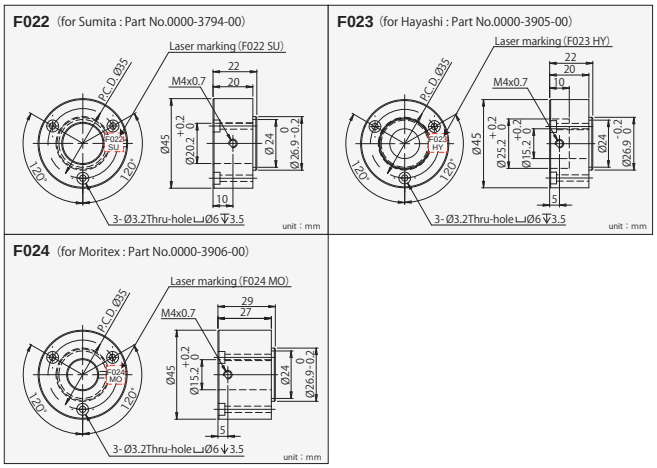
Ferrule adaptor

Ferrule adaptors to fix a light guide for SLG-150V



* For ordering a ferrule other than those shown, please contact us.
* Plastic fibers are not available for this product.

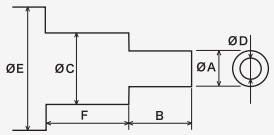
Ferrule adaptors to fix a light guide for SLG-165V



* A ferrule is not provided with SLG-165V. Please order one separately.
* For ordering a ferrule other than those shown, please contact us.

Option | Custom-order ferrule

■ To order customized ferrule, inform us of the dimensions of the light guide. (A to F)

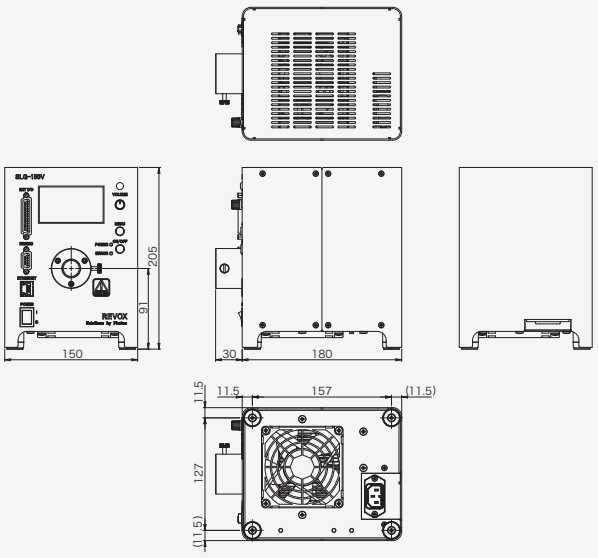


Fiber light guide dimensions

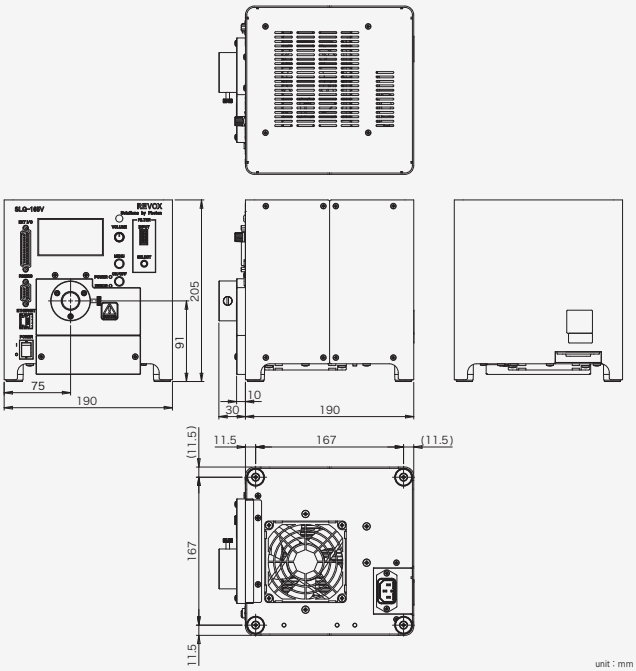
* For sizes not listed, please inquire (info@revox.jp)

Appearance

SLG-150V



SLG-165V



unit : mm

Technical specifications

Model No.	SLG-150V SLG-150VFB	SLG-165V SLG-165VFB
Applicable fiber bundle daiameter	Ø8 to 14 mm	
Light distribution angle	30° (full angle)	
LED color	White (CWX : Cool white / DWX : Daylight white)	
Drive method	Constant-current drive	
Light control	Variable-current control	
Number of channels	1 channel	
Input power supply	100 to 240 VAC (±10%) 50/60 Hz [For usage in Japan: AC 100 VAC (±10%) 50/60 Hz]	
Power consumption (typ.) [For usage in Japan]	200 VA 100 VAC, 180W	205 VA 100 VAC, 190W
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. (100 VAC, 60 Hz, with no load)]	
Insulation withstand voltage (Input FG)	1,500 VAC for one minute cutoff current: 10 mA, 500 VDC, 20 MΩ, min.	
Operating environment (indoor use only)	Temperature: 5 to 40°C Humidity: 20 to 80% (with no condensation) Transient overcurrent: Category II, Pollution level 2 Altitude: 2,000 m max	Altitude: 10,000m max
Storage environment	Temperature: -15 to 60°C Humidity: 20 to 80% (with no condensation)	
Cooling method	Forced cooling with a fan inside	
CE marking	Safety standards: Conforms to EN61010-1 EMC standards: Conforms to EN61000-6-2, EN61000-6-4 -	EN6231
PSE	Conforms to Technical Standards	
Environmental regulations	RoHS compliant	
Risk Group	Risk Group 3	
Material, coating and surface processing	Aluminium alloy (Alumite)	
Weight	Approx. 3.9 kg	Approx. 5.1 kg
Accessories	One Instruction Guide AC cable with 2flat-blade and a round grounding pin (125V, 7A) -	Filter holders, pan-head screws

Model number

SLG-150V-①-②③ **SLG-165V-①-②③**
SLG-150VFB-①-②③ **SLG-165VFB-①-②③**

① LED color: Cool White→CWX, Daylight White→DWX
② Applicable fiber bundle diameter: Ø8 to 14㎜→M
③ Light distribution angle: 30°→N

Option | Light guide, Adapter for light guide

We suggest a suitable light guide such as straight, ring or line type.

Straight type

Ring type

Line type

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

For inquiries

Creating the future with light

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