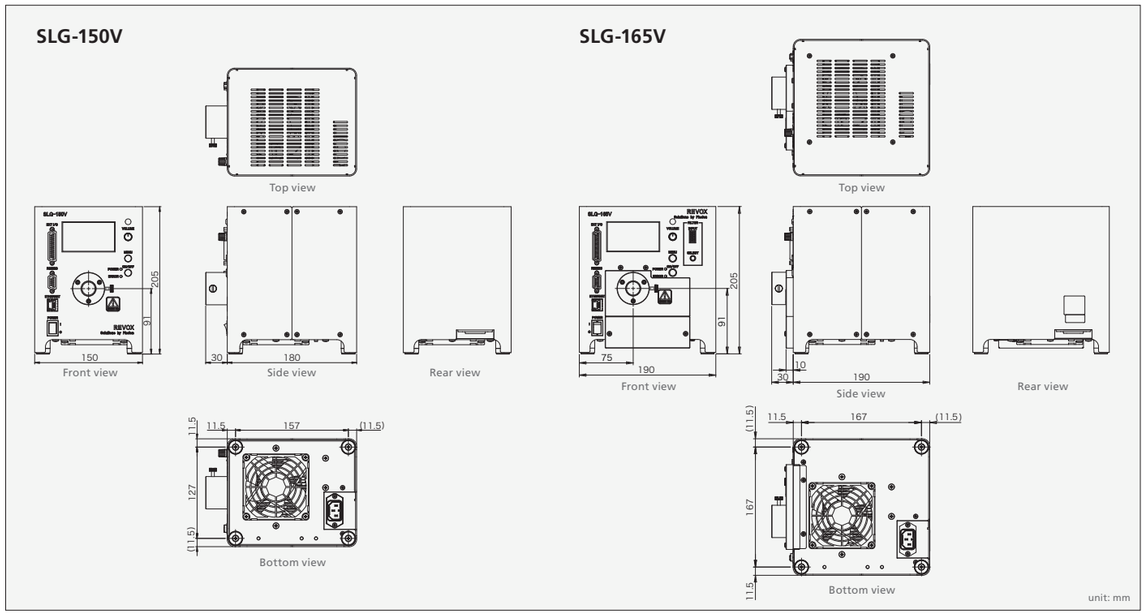
APPEARANCE | SLG-150V/165V



TECH SPEC | SLG-150V/165V

* Specifications are subject to change without notice

Model No.		SLG-150V	SLG-165V
Rated Input (50/60Hz)		AC 100 to 240 V (±10%)	AC 100 to 240 V (±10%)
LED color		White (CW, DW), Red, Green, Blue	White (CW, DW)
Power consumption		White: Typ.200VA (MAX), Red, Green, Blue: Typ.160VA (MAX)	Typ.205VA (MAX)
Operating environment (without condensation)		Temperature: 5 to 40°C , Humidity: 20 to 80% RH	Temperature: 5 to 40°C , Humidity: 20 to 80% RH
		Altitude: 2000m max°C.	Altitude: 2000m max°C.
		Transient overcurrent: Category II, Pollution level 2	Transient overcurrent: Category II, Pollution level 2
Dimming range		0 to 100%	0 to 100%
Control modes	Manual control	Manual dimming knob	Manual dimming knob
	External control	0 to 5V analog control	0 to 5V analog control
		8-bit /10-bit digital signal control	8-bit /10-bit digital signal control
		Serial communication command (RS232C) control	Serial communication command (RS232C) control
		ETHERNET control	ETHERNET control
Analog signal lock		Available in 0 to 5V analog control	Available in 0 to 5V analog control
Error output		LED temperature, LED error (Open, Short)	LED temperature, LED error (Open, Short)
Attachable light guide		OF Ø3 to 7mm, OF Ø8 to 14mm, OF Ø15 to 22mm	OF Ø8 to 14mm (Light distribution angle 30°)
		※Options: C mount lens, lens for transmission light	-
Ferrule adaptor		MO, SU, HY, VO	MO, SU, HY, VO (conditional)
LED replacement		Available by Send-Back	Available by Send-Back
LED Lifetime		30,000 hours ※1	30,000 hours ※1
Cooling method		Forced cooling with fan	Forced cooling with fan
Weight		Approx. 3.9kg	Approx. 5.1kg

※1 Calculated value until the light output decreases to 70% and not guaranteed

Note: SLG-150V / 165V 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 prior to use. The above specifications are subject to change without notice.

For inquiries

Creating the future with light

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Issued on Oct 20, 2016

REVOX
Solutions by Photon

LED FIBER OPTIC ILLUMINATOR

SLG-150V / 165V

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

HIGH POWER
2,000,000 lx

FEATURES | SLG-150V / 165V

- **Reproducible linearity characteristics by unique linearity correction function pre-installed.**
- **Light output is stable even under unstable conditions by stabilizer function.**
- **Various external control modes available.** (digital, serial, Ethernet, analog controls)
- **Space-saving design, no clearance is needed for sides and rear faces.**
- **LED light intensity is maximized by highly efficient driving enabled by superior cooling mechanism.**
- **LED temperature, PCB temperature and accumulated operating time are displayable on the LCD.**
- **LED colors are White** (CW, DW)**, Red, Green and Blue.** (for SLG-150V)

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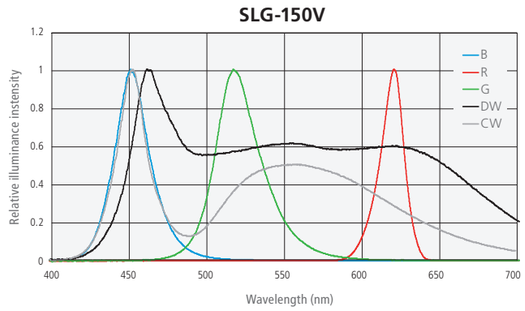
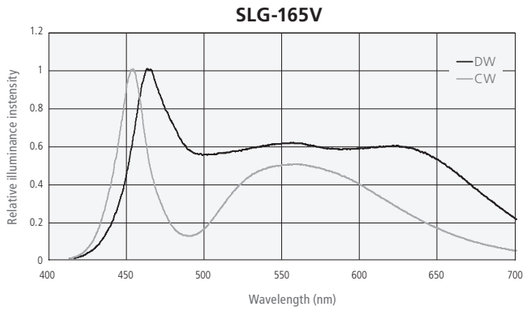
LED FIBER OPTIC IIIUMINATOR

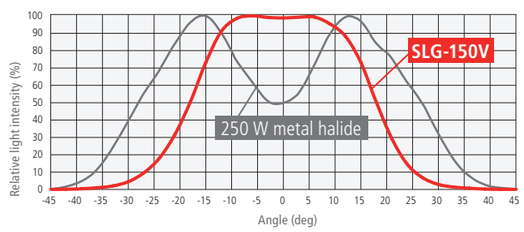
SLG-150V / 165V

SPECTRAL DISTRIBUTION





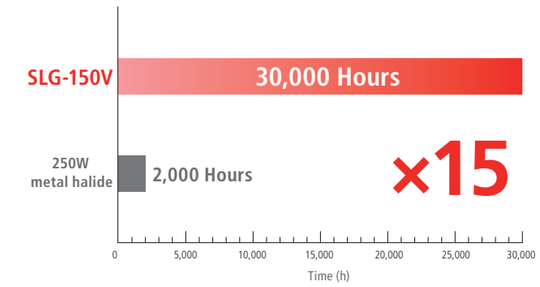
LIGHT DISTRIBUTION



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

LONG LIFE

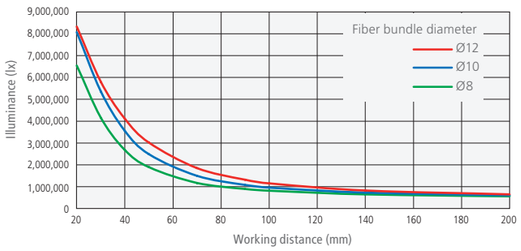
Comparison of life span between SLG-150V and 250W metal halides



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

OPTIMIZED OPTICAL DESIGN

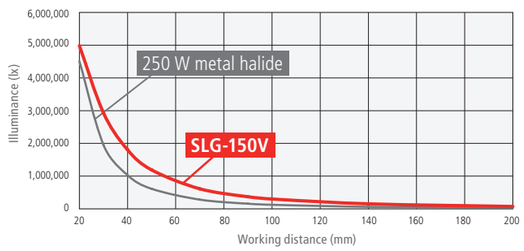
Suitable for light guides with various fiber bundle diameters ※Only for SLG-150V



* 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 INTENSITY

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



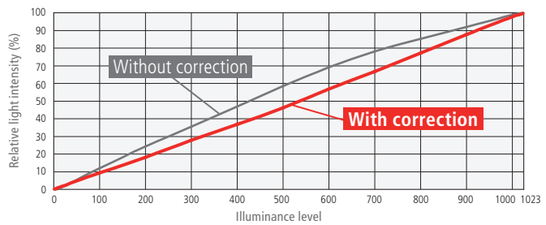
* Measured at each of the above given distance from an end face of a Ø8, 1100-mm long straight light guide at 100% illuminance (Not guaranteed)

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)



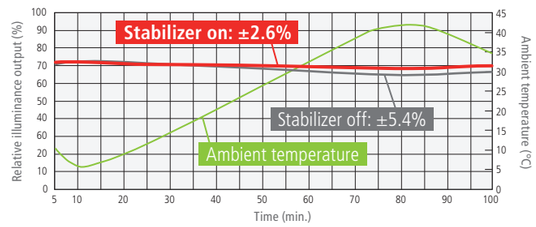
* Actual value measured in accordance with our measurement standards
* Linearity correction function is always effective

CONSTANT ILLUMINATION FUNCTION

Light intensity stabilizer function pre-installed

- **Light output is stable even under unstable conditions**

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

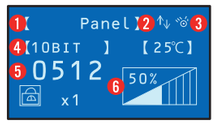


* Actual value measured in accordance with our measurement standards
* Default Stabilizer function status is off

MONITORING SYSTEM

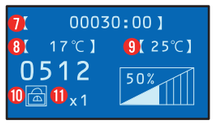
- **LED temperature, PCB temperature and accumulated operating time are displayable on the LCD**

Monitor screen 1



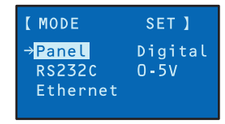
❶Operation mode
❷Icon for Feedback function
❸Icon for LED ON
❹Resolution (10 bit or 8 bit)
❺Illuminance level
❻Illuminance indicator

Monitor screen 2



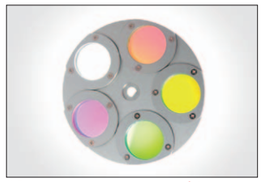
❼Accumulated operaiting time
❽PCB temperature
❾LED temperature
❿Icon for Analog signal lock
⓫Illuminance control magnification

Mode select screen



* Please refer to the operation instruction guide for more details

SLG-165V FEATURES



* Please use our recommended filters.

- **Equipped with a 5-Fileter Changer**
- **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 (STD), from 1.2 to 3.0mm (with filter collar※1)
※1 Option filter collar is necessary when the filter thickness is more than 1.2mm

MODEL NUMBER

SLG-150V-□□-□□
① ②③

① LED COLOR: White (CW: Cool White, DW: Daylight White), Red→R, Green→G, Blue→B
② Ø3 to 7mm→T, Ø8 to 14mm→M, Ø15 to 22mm→L
③ Light distribution angle (full angle): 30°→N
* C mount lens and lens for transmission light are available

SLG-165V-□□-□□
① ②③

① LED COLOR: White (CW: Cool White, DW: Daylight White)
② Ø 8 to 14mm→M
③ Light distribution angle (full angle): 30°→N