

TRIPLE-SPECTRUM LED FIBER OPTIC ILLUMINATOR

SLG-450TSL

Ultra-high Intensity LED mixed fiber optic illuminator with
over **10 million lux*** equipped with 3 LEDs of red, green and blue

(Equipped with high-speed pulse function and high-speed dimming function)

*It is a conversion value based on the actual measurement value in our measurement method.



■ FEATURES | SLG-450TSL

- Unique wavelength characteristics mixed with 3 wavelengths
- With the Color Mixing Proportion Lock, it is possible to adjust the light without breaking the color mixture.
- Stationary luminescence, Pulse luminescence
- Achieves stable output over a long period of time with the illuminance feedback function

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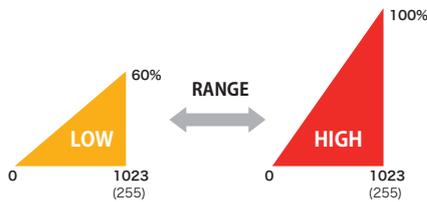


DIMMING RANGE CHANGE |

- By switching the dimming range between LOW mode and HIGH mode, it covers the low illuminance range and the high illuminance range.

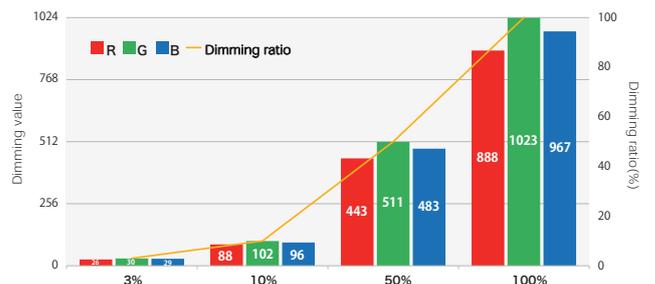
* LOW mode: 60% of the maximum light amount is the maximum dimming value, HIGH mode: 100% of the maximum light amount is the maximum dimming value

* Maximum illuminance varies depending on the combination with the FB function.



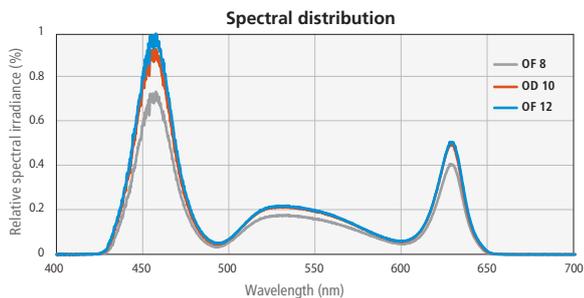
COLOR MIXING PROPORTION LOCK |

- The shades of red, green, and blue can be fixed, and the brightness can be adjusted without destroying the shades.

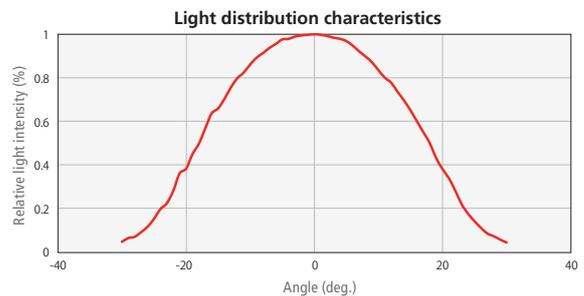


* The graph is an image. (Not a guaranteed value)

SPECTRAL DISTRIBUTION |



LIGHT DISTRIBUTION |



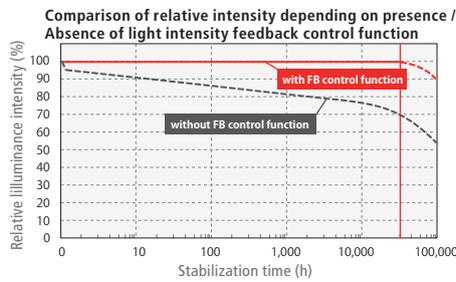
■ RGB INDIVIDUAL CONTROL |

- The brightness of each of red, green, and blue can be controlled with a maximum of 10 bits (1024 steps).
- Can be set to the desired shade

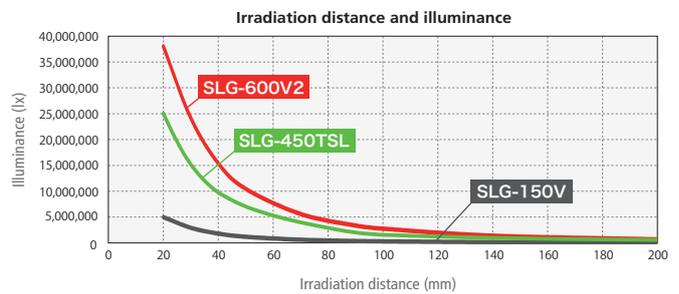


■ FEED BACK SYSTEM |

- By maintaining the light output feedback control function and arbitrary stabilization time, the output is maintained for a long time



■ HIGH INTENSITY | Illuminance comparison data



*Measured value at each given distance from the fiber exit face of 1,000 mm long straight light guide (with 8 mm bundle diameter) at maximum illuminance (not guaranteed)

■ HIGH-SPEED DIMMER SYSTEM |

- Continuous and fast switching to arbitrarily set dimming value (R/G/B)
- 8 dimming values can be registered

	bank1	bank2	bank3	bank4	bank5	bank6	bank7	bank8
LED1(R)	0	716	1023	-	-	-	-	-
LED2(G)	1023	512	307	-	-	-	-	-
LED3(B)	512	800	1023	-	-	-	-	-

Image of high-speed dimming according to the above bank settings

