

Laser Illumination Light Source

Outline of the Specification Comparison of Prototype Units

1. Basic Specification

1.1 Peak output power of the supplied light source :

			Model: RGBW-L1	Model: RGBW-G5
Color	Peak WL	Emitter Type	Typical Max. Output Power	
Red	639nm	Laser Diode	1.3 W*/2.2W***	0.9W**
Green	525nm	Laser Diode	1.0 W*/1.7W***	0.7W**
Blue	448nm	Laser Diode	1.0 W*/2.0W***	1.0W**
Violet	405nm	Laser Diode	0.35 W*/0.7W***	0.30W**
White	400-700nm	LED	1.5 W*/3W***	0.7W**
Infrared	808nm	Laser Diode	3.5 W*/5.6W***	1.9W**

*) Measured at the tip of the light guide (Φ5mm, NA 0.55, Length 3m)

**) Measured at the tip of the light guide (Φ4.5mm, NA 0.64, Length 3m)

***) Measured at the light guide input space.

1.2 Specification comparison of the prototypes

Item	Current Prototype (Model: 'RGBW-G5')	Next Module Prototype (Model: 'RGBW-L1')
Physical Dimensions	W350 x H140 x D480 mm	W270 x H168 x D275 mm
Power Supply	AC 100-240V	DC 24V / 20A max.(TBD)
White Light Output with RGB Laser and Filtered White LED	1,100 lumen at NA 0.64, 4.5mm light guide output (3m long)	2,000 lumen at NA 0.55, 5mm aperture input
RGB Laser Wavelength	638/525/445 nm peak	639/525/448 nm peak
Control Interface	Built-in GUI touch panel	D-sub 9 (female)RS-232C x1, Windows PC Software Application provided
Sync Input	BNC x1	BNC x1
Sync Output	BNC x1	-
Light Modulation Input	BNC x6	12 pin Round Connector

2. Exterior

Current Stand-alone Prototype unit (model code: 'RGBW-G5')



Next Module Prototype (model code : 'RGBW-L1')

