

### Overview

PRIME RGB 27000 is a full-color laser projector that could meet your requirement for any Mega-scale outdoor laser shows and installations. Its' high power and extreme sharp beam enables it the capability to take care of any job where power density is the most needed.



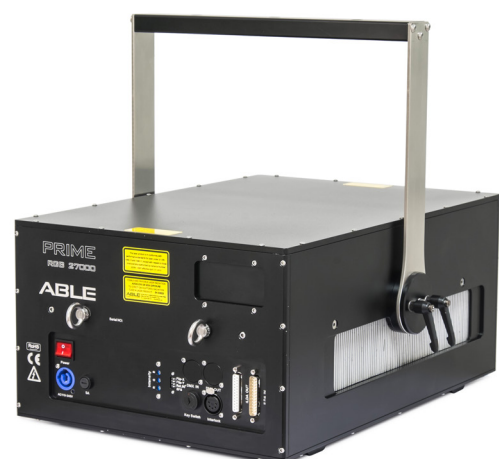
Front Panel



Rear Panel



Front 45°



Rear 45°

PRIME RGB 27000 has 3 sub-models to fit the needs of different power range and budget.



## Specifications

### Spec Power @ Light Source

	<u>PRIME RGB 27000</u>	<u>PRIME RGB 24000</u>	<u>PRIME RGB 20000</u>	
<b>R:</b>	6660 mW@637nm	5550 mW@637nm	4440 mW@637nm	Single-Mode Direct-Inject diodes
<b>G:</b>	8000 mW@520nm	7000 mW@520nm	6000 mW@520nm	Multi-Mode Direct-Inject diodes
<b>B:</b>	12800 mW@445nm	11200 mW@445nm	9600mW@445nm	Multi-Mode Direct-Inject diodes

### Total Output @ Projector window

<u>PRIME RGB 27000</u>	<u>PRIME RGB 24000</u>	<u>PRIME RGB 20000</u>
21000 - 22000 mW	17500 - 18500 mW	15000 - 15800 mW

### Beam Profile

Beam Diameter (Projector Window): 5.5 mm \* 6.2 mm

Divergence (Full angle): <1.0 mrad

Modulation : Analog 50KHZ

Laser Class : Class IV



Dichro access through side panel  
for easy beam re-alignment

### Standard scanner

Galvo : 35K (EMS 8000 40K upon request)

Scan Angle : 60° Max (54° on EMS 8000)

### Interfaces & Controls

Control : ILDA in (Differential) , ILDA out

Safety : Key Switch , Scan-Fail-Safe Switch

Remote Interlock : 5 pins XLR

Scan Image Invert : Invert – X , Invert – Y

Color adjustment : Intensity R, G, B (0-100%)

Mains : Neutrik PowerCon®

### Optional Components

Embedded Controller: Pangolin FB4 (upon request)

Scanner: EMS 8000 40K, 54° Max Angle

### Thermal Control

Cooling : Active Cooling/heating by TEC Peltier Elements

Ventilation : 60mm Low noise thermal-controlled fan \* 5

### Electric

Operating Voltage : AC 110V-240V

Power Consumption: 650W Max

### Physical

# PRODUCT INFORMATION

## PRIME RGB 27000



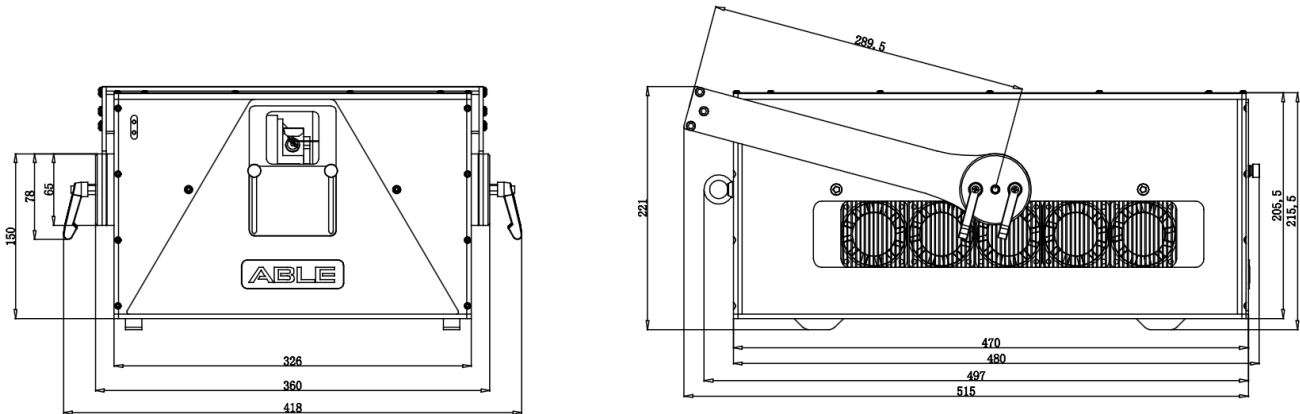
L \* W \* H : 470mm \* 326mm \* 215mm (Without Yoke)

Weight : 30 kg

Housing Materials : Black Anodized Aluminum

IP grade : IP54

Packaging : Flight case / Peli Case



### Compliance

Compliance FDA/CDRH, CE, RoHS

### Warranty

Warranty 24 months parts and labor

\* The above specifications subject to change without prior notice