

Overview

PRIME **R****G****B** 7500 GT / 5300 GT is a very versatile laser projector with powerful yet compact body.

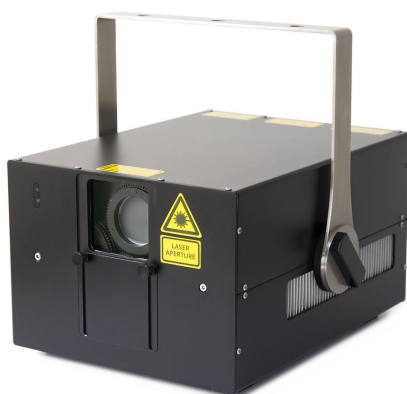
The in-built laser grating module gives you 3 extra stunning laser effects that can be controlled using DMX.



Front Panel



Rear Panel



Front 45°



Rear 45°

PRODUCT INFORMATION

PRIME RGB 7500 GT / 5300 GT



Specifications

Light Source			
Model	PRIME RGB 7500	PRIME RGB 5300	
Red :	2220 mW @ 637nm	1480 mW @ 637nm	Single Mode Laser diodes
Green :	2000 mW @ 520nm	2000 mW @ 520nm	Multi-Mode Laser diodes
Blue :	4000 mW @ 445nm	2000 mW @ 445nm	Multi-Mode Laser diodes
Total Output @ Projector Window	6200 ~ 6600mW	4500 ~ 4900mW	

Beam Diameter (Projector Window): <4 mm

Divergence (Full angle): 0.9 mrad (Full angle)

Modulation : Analog 50KHZ

Laser Class : Class IV

Scanner

Galvo : 40K (EMS 8000 60K upon request)

Scan Angle : 60° Max

Grating Module

In - built effects 3 effects -> Line grating / Burst Grating / Lumia - 1

User - replaceable effects 2 effects -> Lumia - 2 / Lumia - 3 (both included in the delivery)

DMX Channels 2 Channels

Gobo Rotation Speed 0.08 RPM (min) - 12 RPM (max)

DMX Channel Assignment				
Channel 1	Gobo Selection			
	0 - 64	65 - 128	129 - 189	190 - 255
	No Effect	Effect 1	Effect 2	Effect 3

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Channel 2	Gobo Rotation Control		
	0 - 122	123 - 132	133 - 255
	Clockwise Speed max – min	Static	Counterclockwise Speed min - max

Interfaces & Controls

Control :	ILDA in (Differential) , ILDA out
Grating Control:	DMX-in/out , 5Pins XLR
DMX Addressing	Dip Switches
Safety :	Key Switch , FDA Scan-safe Switch
Remote Interlock :	5 pins XLR
Scan Image:	Invert – X , Invert – Y, Rotate 90°
Color adjustment :	Intensity R, G, B (0-100%)
Mains :	Neutrik PowerCon®

Optional Components

Controller:	Pangolin FB4
Light Source:	462nm instead of 445nm
Scanner	EMS 8000 60K

Thermal Control

Cooling :	TEC Peltier Elements
Ventilation :	40mm Low noise fan * 4

Electric

Operating Voltage :	AC 110V-240V
Power Consumption:	280W Max

Physical

L * W * H :	308mm * 230mm * 167mm (Without Yoke, Without feet)
Weight :	14 kg (Without Yoke)
Housing Materials :	Black Anodized Aluminum

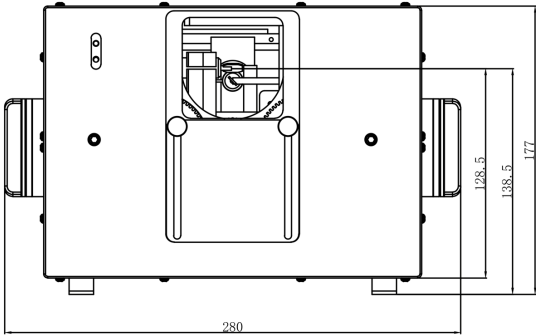
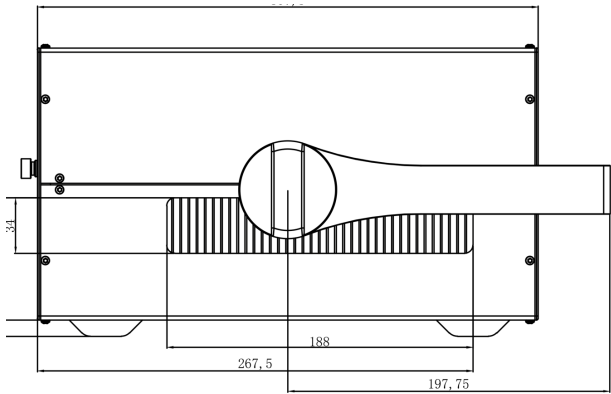
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IP grade : IP54

Packaging : Flight case (Peli case optional)



Compliance

Compliance FDA/CDRH, CE, RoHS

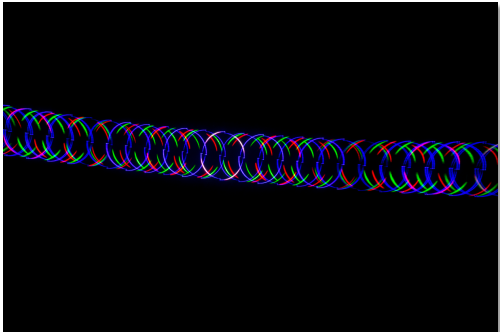
Warranty

Warranty 24 months parts and labor

* The above specifications subject to change without prior notice

Effect pictures

Line Grating

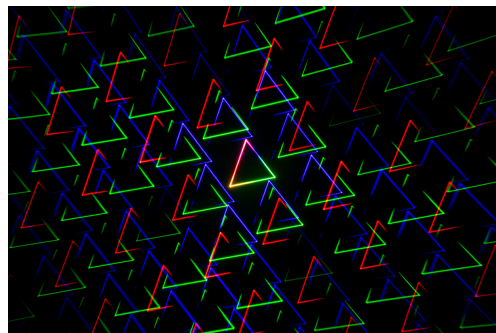
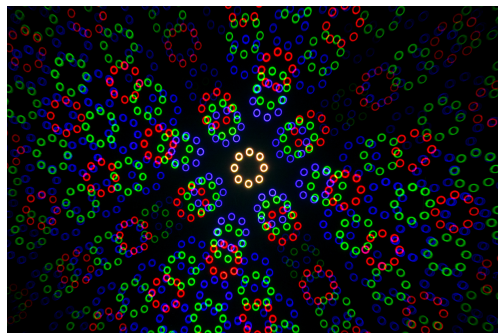


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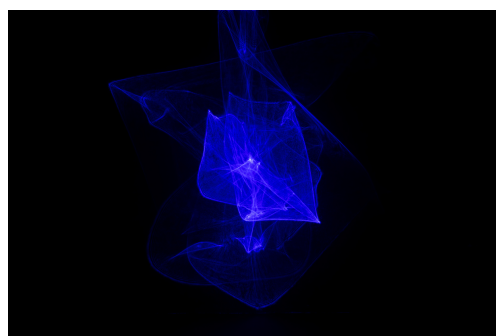
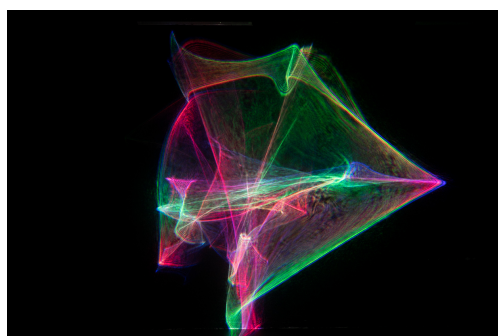
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ABLE
LASER TECHNOLOGY

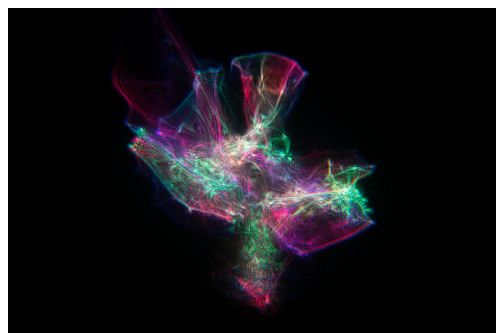
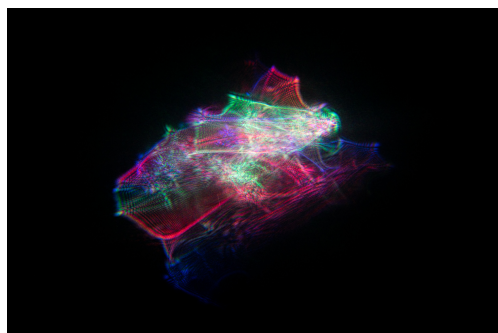
Burst Grating



Lumia - 1



Lumia - 2
(Narrow angle)



Lumia - 3

