

Spectrum 45 RYGB

PRODUCT SPECIFICATION SHEET



The new 2022 Spectrum series is the ultimate result of our know-how merged with the latest laser technology and the wishes of laser display professionals worldwide.

Beautifully and practically designed Spectrum projectors offer world-class performance, superb beam quality, a wide range of colours, inspiring features to help you succeed, and comprehensive control options for easy integration into existing systems.

The new Spectrum is offered in three versions - **30 Watt ROGB, 33 Watt RYGB, and 45 Watt RYGB fitted with either Orange or Yellow OPSL.**

Due to our latest breakthroughs in beam-shaping techniques, all these models produce an enormous amount of luminosity, meaning they are seriously bright!

In addition, the rigged foam aluminium chassis with cushioned heatsink, advanced thermal management and ergonomics make working with Spectrums stressless, exciting and fun.

With the 2022 Spectrum, you can sit back, relax and focus on your creativity.

This 45 Watt Spectrum is the most powerful laser projector we manufacture. But no worry - visibility-wise, it will easily beat many other more powerful lasers. We can promise you that!

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SPECIFICATIONS

Source Type:	Semiconductor laser diode + OPSL Full-colour RYGB laser projector
Suitability:	Outdoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-SK [Ethernet, ArtNet, DMX, ILDA PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1
Ingress Protection rating:	IP20, or IP54 with the optional Rain Cover installed [certification in progress]
Weight [kg]:	31
Size [WxHxD, mm]:	491 x 310 x 396 [Technical Drawings are in the SUPPORT section of this page]
Guaranteed opt. output:	45 Watts
Red Yellow Green Blue [W]:	9 5 13 18 [*note]
Wavelengths [nm, ±5nm]:	637 577 OPSL 525 455
Beam size [mm]:	6 x 6
Beam divergence [mrad]:	0.8 mrad [full angle, **note]
Modulation [kHz] type:	100 analogue
X-Y scanners:	Saturn9 30 Kpps @ 8°, max. scanning angle 40° on both axes
Power requirements [V] Input:	100-240/50-60Hz Neutrik powerCON TRUE1
Power consumption [VA]	1200
Operating temperature [°C]	10-35°C -20 °C 40°C Monsoon IP20
Connectivity	1.5M RJ45 25M RJ45 30M 3 XLR 4 USB [Optional] USB Pangolin QuickShow
Dimensions	X & Y X & Y FB4
Beam diameter	[Beam diameter <20 mm]
*Note	Kvant
**Note	1. FWHM 2.