Spectrum 34 ROGB

PRODUCT SPECIFICATION SHEET

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

Beautifully and practically designed Spectrum laser 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 Spectrum is offered in three versions - **34-Watt ROGB, 37-Watt RYGB, and 55-Watt RYGB fitted with either extra Orange or Yellow OPSL module.**
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 rigid foam aluminium chassis with cushioned heatsink, advanced thermal management and ergonomics make working with Spectrums stressless, exciting and fun.

This model is also IP65 rated.

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

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SPECIFICATIONS

Source | IP-rating | Type:	Semiconductor laser diode + OPSL | IP65 | Full-colour ROGB 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 60825-2
Weight [kg]:	31
Size [WxHxD, mm]:	491 x 310 x 396
Guaranteed opt. output:	31.5 watts
Installed modules R | O | G | B [W]:	6 | 3 | 14 | 11 *note A
Wavelengths [nm, ±5nm]:	637 | 590 OPSL | 525 | 462+445
Beam size [mm]:	6 x 6
Beam divergence [mrad]:	0.7 mrad [full angle, *note B]
Analogue modulation [kHz]:	100
X-Y scanners:	Juno 5 | 40 kpps @ 8°, max. scanning angle 60° on both axes [More options in the UPGRADES section of this page]
Power requirements [V] | Input:	100-240/50-60Hz | Neutrik powerCON TRUE1
Max. power consumption [VA]:	1200
Operation temperature [°C]:	10-35 [-20 to +35 when installed in Monsoon protection enclosure with AC unit]
Included in the set:	Heavy-duty flight case, 1.5M AC power cable, 25M Ethernet rj45 signal cable, E-STOP Remote with 25M 3-pin XLR cable, Set of 4 safety keys, Interlock bypass dongle [supplied for the USA only], USB memory stick with the user manual, QC certificate. Pangolin QuickShow laser control and creation software is available for FREE download.
HW features:	DMX-controlled LED blinder / Device Visual Identifier (4x 5-watt LED, 4000K, each diode is controlled separately) All the basic system settings and adjustments, such as power output adjustment for each colour, X & Y axes invert, X & Y size and position, etc., are managed via the built-in FB4 control interface. Scanning system overload protection. Colour Balance display mode.
Laser safety features:	Keyed interlock, emission delay, magnetic interlock, scan-fail safety, fast electromechanical shutter [reaction time <20ms], adjustable aperture masking plate, Emergency STOP system with keyed remote and manual RESTART button.
note A:	Due to Advanced Optical Correction technology used in Kvant systems, the real power output of each laser module installed within the system may slightly differ from its specification. This doesn't affect the total guaranteed power output of the system.
note B:	The beam divergence total is calculated as an average arithmetic value of all individual colours. The divergence of each colour is calculated as: 1. FWHM of the beam cross-section for round beams, or 2. The arithmetic average of the beam's horizontal and vertical divergence for all rectangular beams.