

Berry Lite

PRODUCT SPECIFICATION SHEET



Compact in size, being a fully equipped 5W full-colour RGB laser display system with build-in 3W LED blinder - that's Kvant Berry Lite. With our Berry Lite, you can now easily create all the super-cool laser effects that seemed impossible to accomplish before.

Controlling a complex setup made of many Berries is now so simple thanks to the control via ArtNet protocol.

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SPECIFICATIONS

Source Type:	Semiconductor laser diode [FAC] Full-colour RGB laser projector with LED Blinder
Suitability:	Indoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-STD [Ethernet, ArtNet PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1 [tested by TÜV SÜD], FDA
Weight [kg]:	3.8
Size [WxHxD, mm]:	171 x 171 x 359 [Technical Drawings are in the SUPPORT section of this page]
Guaranteed opt. output [mW]:	5100
R G B [mW]:	1200 1700 2400 [*see note A below]
Wavelengths [nm, ±5nm]:	637 520 445
Beam size [mm]:	6x5
Beam divergence [mrad]:	1.5 [full angle, averaged value, *see note B below]
Modulation [kHz] type:	100 analogue
X-Y scanners:	ScannerMAX 506 Compact 35 Kpps @ 8°, max. 50°
Power requirements [V] Input:	100-230/50-60Hz Neutrik powerCON TRUE1
Max. power consumption [VA]:	200
Operation temperature [°C]:	10-40
Included in the set:	1.5M power lead, 10M Ethernet rj45 signal cable, E-STOP remote with 10M 3-pin XLR cable, set of 4 safety keys, interlock connector [for the USA only], USB memory stick with the user manual. Pangolin QuickShow laser control and creation software is available for FREE download.
HW features:	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. 3W white LED blinder.
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.