LogoLas 3000

PRODUCT SPECIFICATION SHEET

The 3-Watt RGB full-colour LogoLas is a professional laser display system built into an industrial-grade housing, developed for **outdoor laser advertising, high visibility signage, facade illumination and crowd flow management** applications.
With its inbuilt control interface and IP rated robust build, it is a comprehensive solution for permanent installations at demanding environments.

LogoLas 3000

PRODUCT SPECIFICATION SHEET

SPECIFICATIONS

Source | Type:	Semiconductor laser diode | Full-colour RGB laser projector
Suitability:	Permanent indoor / outdoor laser displays
System control:	FB4-SK [Ethernet, ArtNet, Autoplay | PC or Lighting Console]
Compliant with:	EN 60825
Ingress protection rating:	IP65 certified
Weight [kg]:	21
Size - laser projector [mm]:	377 x 281 x 600 [WxHxD] [Technical Drawings are in the SUPPORT section of this page]
Size - incl. bracket [mm]:	377 x 447 x 726 [WxHxD] [Technical Drawings are in the SUPPORT section of this page]
Guaranteed opt. output [mW]:	3000
R | G | B [mW]:	680 | 900 | 1500 [*see note A below]
Wavelengths [nm, ±5nm]:	637 | 520 | 445
Beam size [mm]:	4.5 x 4.5
Beam divergence [mrad]:	0.53 [full angle, *see note B below]
Modulation [kHz] | type:	100 | analogue
X-Y scanners:	ScannerMAX 506 Compact | 40 Kpps @ 8° [more options in UPGRADES section of this page] or without scanners, fitted with the Beam Expander
Power requirements [V] | Input:	100-230/50-60Hz
Max. power consumption [VA]:	340
Operation temperature [°C]:	0-40 [currently being tested in the range -20 to +40 degrees]
Included in Standard set:	LogoLas laser system, flat surface bracket and wall mount bracket with fixings, 5M power lead, 5M Ethernet rj45 signal cable, E-STOP remote with 5M 3-pin XLR cable, set of 2 keys for the lid and 2 E-STOP keys, interlock bypass dongle [supplied for the USA only], USB memory stick with the user manual. Pangolin QuickShow laser control and creation software is available for FREE download. Everything is safely packed and delivered in a plywood pallet export box.
HW features:	All the basic system settings and adjustments such as power output adjustment of colour(s), X & Y axes invert, X & Y size and position, etc. are managed via the built-in FB4 control interface. The laser system is equipped with a scanning system overload protection.
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.