LogoLas 24

PRODUCT SPECIFICATION SHEET

This 24-watt 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 Logolas, you can turn virtually any flat surface into a billboard or sign that after dusk will most likely outshine any other type of lighting.

With its inbuilt control interface and IP65-rated robust build, it is a comprehensive solution for permanent installations at demanding environments.

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SPECIFICATIONS

Source | IP-rating | Type:	Semiconductor laser diode | IP65 | Full-colour RGB laser projector
Suitability:	Permanent outdoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-SK [Ethernet, ArtNet | PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1
Weight [kg]:	24
Size [WxHxD, mm]:	377 x 281 x 600 - excluding mounting bracket 377 x 447 x 726 - including mounting bracket
Guaranteed opt. output:	22 watts
Installed modules R | G | B [W]:	6 | 8 | 10 *note A
Wavelengths [nm, ±5nm]:	638 | 525 | 445
Beam size [mm]:	5 x 7
Beam divergence [mrad]:	1.1 [full angle, averaged value, *note B]
Analogue modulation [kHz]:	100
X-Y scanners:	Juno 5 | 30 kpps @ 8°, max. scanning angle 50° on both axes
Power requirements [V] | Input:	100-240/50-60Hz | Weipu connector
Max. power consumption [VA]:	1200
Operation temperature [°C]:	5-28
Included in the set:	Flat surface bracket and wall mount bracket with fixings, 5M AC power cable, 5M Ethernet rj45 signal cable, E-STOP Remote with 5M 3-pin XLR cable, Set of 2 keys for the lid and 2x E-STOP Remote 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:	Motorised Dichroic Filters 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.
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.