LogoLas G10 OPSL

PRODUCT SPECIFICATION SHEET

The 10-Watt green OPSL 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.

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SPECIFICATIONS

Source | Type:	Optically Pumped Semiconductor Laser (OPSL) | Single colour GREEN laser projector
Suitability:	Permanent indoor / outdoor installations
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 [W]:	10
Green laser module [W]:	10 | Coherent OPSL
Wavelength [nm, ±5nm]:	532
Beam size [mm]:	5
Beam divergence [mrad]:	<1 [full angle, *see note A below]
Modulation [kHz] | type:	100 | analogue
X-Y scanners:	Juno 5 | 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]:	600
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, 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	*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.