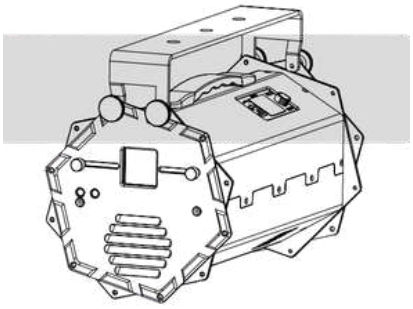
STARSHINE LIGHTS PRODUCT MANUAL

J11 Array Lasers
PRODUCT MANUAL



Type of Laser	Pure diode-based full colors(semiconductor diode laser systems)
Laser Classification	Class 4
Laser Power(mW)	Model λ 638nm 520nm 445nm or 465nm PR3000A-RGB R/700mW+G/1200mW+B/1600mW PR4000A-RGB R/700mW+G/1400mW+B/2000mW PR6000A-RGB R/1400mW+G/1500mW+B/3000mW PR8000A-RGB R/2200mW+G/1700mW+B/4500mW
Scanning-system	40kpps ILDA@8°, Scan angle Max 60°
Beam Size@aperture	3.0*6.0 mm
Beam Divergence	< 1.2 mRad
Modulation	>100 KHz
Power Supply	AC 100-240V, 50/60Hz
Power Consumption	70 | 75 | 85 | 90W
Net Weight	4.80kg
Dimension	254*177*145mm
Controls	Auto[ZLDA], Test, DMX512 , ILDA
Operation Temperature	minus 20℃ to 40℃
Protection Rating	IP54
Safety elements	Keyed interlock, emission delay, magnetic interlock, scan-fail safety, mechanical shutter, adjustable aperture masking plate.
Important statement	Due to Advanced Optical Correction technology used in our laser systems the optical power output of each laser colour within the system may slightly differ from the specification of respective laser module(s) installed. This does not affect the total guaranteed power output.

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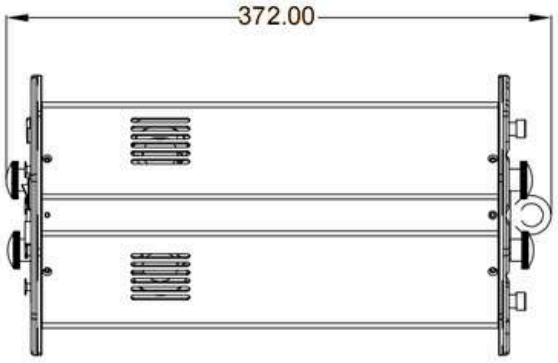

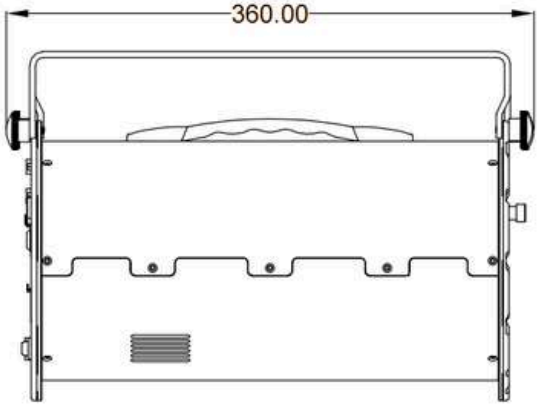

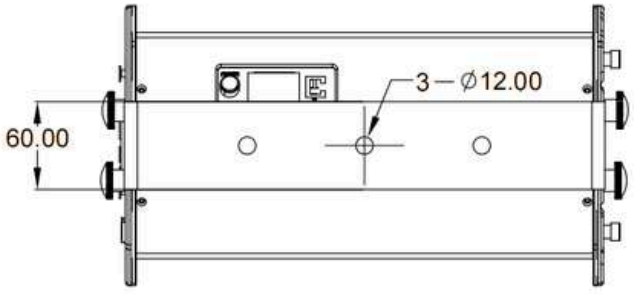

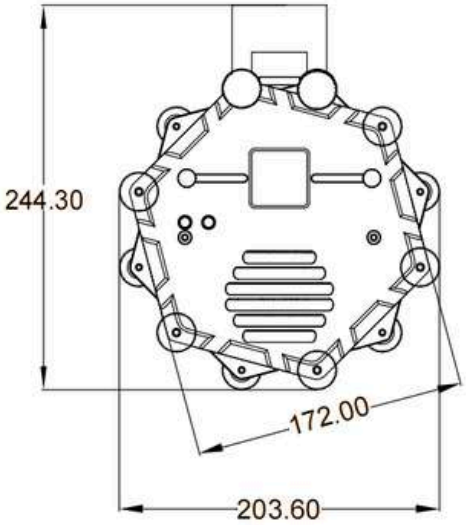

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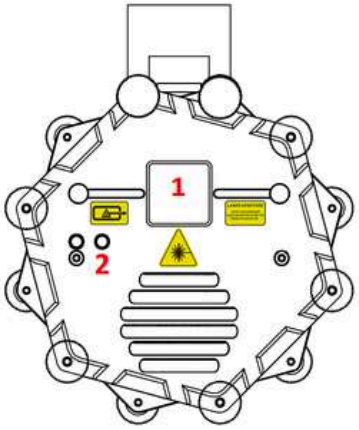

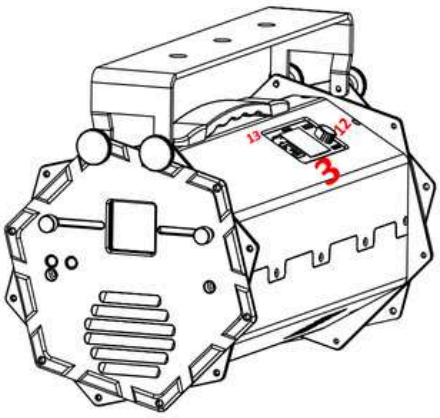

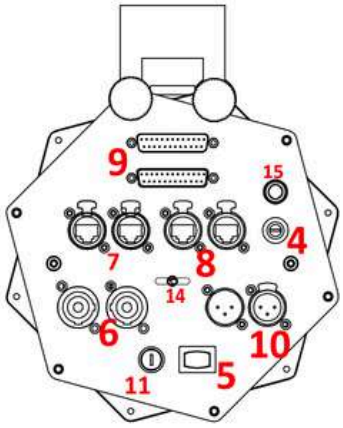

1	Laser aperture	(covered by masking plates) DO NOT look directly into this aperture once the masking plate gets loosen
2	Laser Emission indicators	When this indicator is lit up the laser system is ready to emit the laser radiation as soon as it receives instructions from control software.
3	LCD Display	Integrated with multi settings on the projector, please refer to detailed settings (on Page 11.) for the LCD
4	Keyhole	Safety key, laser output is available when the key is moved to position "on"
5	Power Switch	Power On/Off
6	PowerCON Input & Output	Power connectors input and output
7	ILDA to RJ45	Standard ILDA DB25 converted to RJ45 connector(8pin) which covers only the signals R, G, B, scan +X, +Y,-X,-Y and GND; Only for the desire of easy cabelling.
8	INTERLOCK (RJ45 jack)	Laser output is available only when the interlock is connected. It could be used to connect a laser emergency switch(E-stop box).
9	ILDA Input & Output	DB25 connections input and output for ILDA mode display
10	DMX Input & Output	XLR 3pin DMX connections input and thru for DMX512 mode display
11	FUSE	Safety element; current rating 4Amps
12	Menu knob for LCD Setting	The knob for the main settings on LCD, click it to wake the LCD and rotate it for corresponding status setting
13	SD-Card Slot	Slot for SD-Card which you may have your own laser files to export on
14	Safety Ring	The ring for enwinding a safety rope when the laser device will be installed on out-of-reach locations.
15	SFS	Scan-fail safety switch

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Scanning-system	40kpps ILDA@8° , Scan angle Max 60°
Beam Size@aperture	4.0*6.0 mm
Beam Divergence	< 1.2 mRad
Modulation	>100 KHz
Power Supply	AC 100-240V, 50/60Hz
Power Consumption	75| 95W
Net Weight	5.30kg
Dimension	372*172*172mm
Controls	Auto[ZLDA], Test, DMX512 , ILDA, ILDA-RJ45
Operation Temperature	minus 20℃ to 40℃
Protection Rating	IP54
Safety elements	Keyed interlock, emission delay, magnetic interlock, scan-fail safety, mechanical shutter, adjustable aperture masking plate.
Important statement	Due to Advanced Optical Correction technology used in our laser systems the optical power output of each laser colour within the system may slightly differ from the specification of respective laser module(s) installed. This does not affect the total guaranteed power output.