

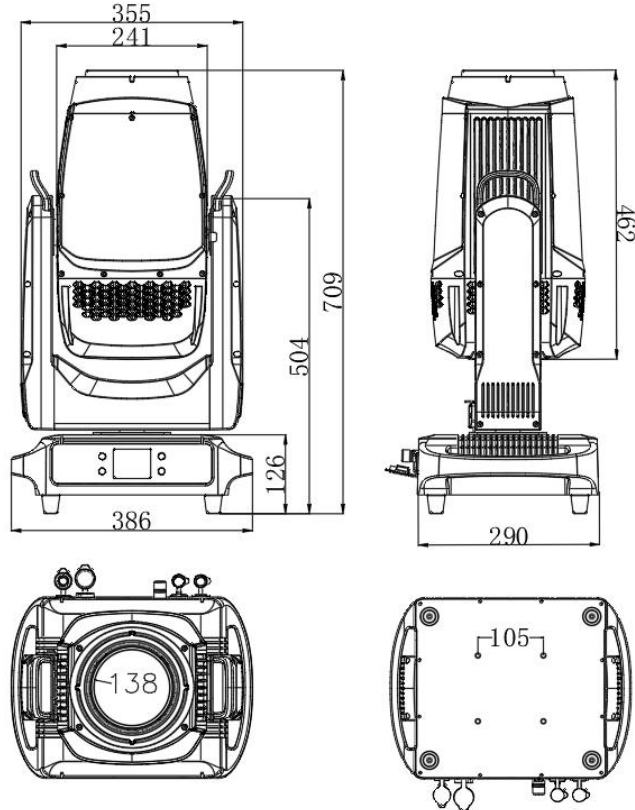
BLUE SEA LIGHTING

Product Technical Specification (Moving Head Light Series)

Product Image



Product Dimension Drawing



Lighting Specifications

Parameters

Product Name	Outdoor Waterproof Moving Head 3-in-1	Product Model	420 BSW IP	Input Voltage: AC100V-240V 50/60HZ Power Consumption: 600W Light Source: PHILIPS MSD Silver 420W/2LL Light source lifespan: 3500 hours Diameter of Frontal Lens: 140mm Beam angle: 2° -31° CCT: 7800K CRI: >70 Operating Temperature: -10-40℃ Control Mode: DMX512, Master-Slave, Auto Run, RDM Channel: 28CH/20CH Color: Linear CMY color mixing& Linear CMY color mixing Linear CTO Color Correction3200K-6700K 1 Color Wheel: 6 Colors 2 Color Wheel: 6 Colors 1 Static Gobo Wheel: 16 gobos 1 Rotating Gobo Wheel: 9 interchangeable gobos Prism: 2 Prisms, Independent Rotation, Can be Overlapped Frost Filter: 1 Frost Filter Homogenizer: 1 homogenizer lens Dimming: 0-100% Smooth Dimming Strobe: 1-20 Times/Second, Adjustable Speed IP Rating: IP66, Waterproof Pan scan: 540 Degrees 16 bit Tilt scan: 270 Degrees 16 bit Display: LCD Display with 4 Touch Buttons Cooling Fan: Mute Fan, Variable Speed Shell: Magnesium Alloy Data In/Out: DMX 3-pin Input/Output +
Net Weight	27kg	Gross Weight	30kg	
Product Dimensions	709*386*290mm	Packing Dimensions	790*405*485mm	
Protection Rating	IP66	Lighting Material	All-magnesium alloy body	
Optical System		Effect System		
Light Source Information	PHILIPS MSD Silver 420W/2LL	Rotating Gobos	1 rotating gobo wheel with 9 interchangeable gobos	
Light Source Life	3500 hours	Static Gobos	1 Static Gobo Wheel with 16 Gobos, Variable Speed Jitter and Bidirectional Rotation	
Beam Angle	2° -31°	Color	1、Linear CMY color mixing system and linear CTO color temperature adjustment 2、2 Color Wheels with 12 Colors	
Color Temperature	7800K	Prism	2 Prisms (6-facet prism , 6 facet linear prism) , Bidirectional Variable Speed Rotation, Achievable Overlay Effect	
Dimming	0-100% Smooth Dimming	Fogging	1 Independent Frost Effect, Soft and Natural Light Spot	
Focus	0~100% Electronic High-Definition Focus	Strobe	1-20Hz Fast Strobe per Second, with Pulse Strobe, Synchronous and Asynchronous Strobe Effects	
Homogenizer	1 homogenizer lens			
Electrical Connection		Control System		

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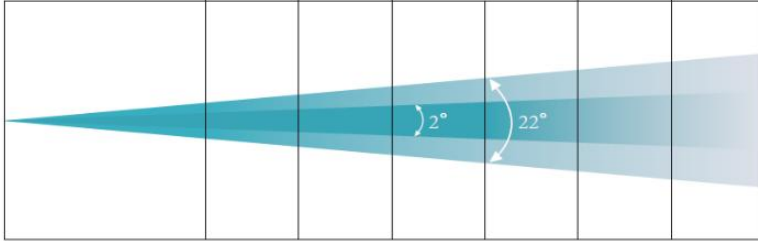
Input Voltage	AC 100V-240V, 50/60HZ	Mechanical Movement	Horizontal Scanning Angle 540° , Vertical Scanning Angle 270° , Automatic Return Correction and 16bit Precision Fine-Tuning Function	5-pin Input/Output Power In/Out: Waterproof power connector in/out Product Dimensions: 709*386*290mm Packing Dimensions: 790*405*485mm Net Weight: 27kg Gross Weight: 30kg
Total Lamp Power	600W	Communication Design	DMX Wired/Wireless Transmission, Convenient and Fast Software Upgrade via DMX Data Cable	
Signal Connection	3-pin/5-pin Waterproof Signal Cable & Xishang Waterproof 3-pin XLR Socket	Heat Dissipation System	Fan Heat Dissipation Structure and Temperature Intelligent Monitoring Technology, Automatically Adjusts Heat Dissipation System to Effectively Control Lamp Temperature	
Power Connection	Waterproof Power Cable Input/Output & Xishang Waterproof Power Socket	Control Protocol	Auto Run, Master-Slave Mode, DMX512	
Display Screen	2.8-inch Display Screen with Automatic Flip Function	Channel Mode	28CH/20CH	
Others				

Photometric Diagram

Color: Linear CMY Mixing System, Linear CTO Color Temperature Adjustment, 2 Color Wheels with 12 Colors

Beam Mode

Distance (m) 5 10 20 40 60 80 100



Beam Mode (1.95) °

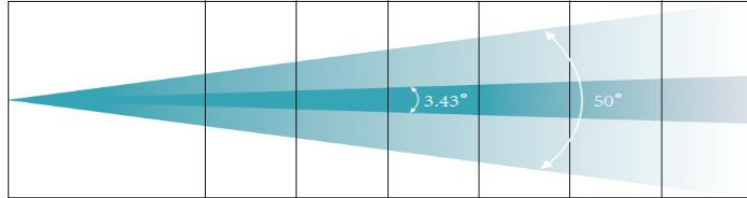
Lux	1764000	441000	110250	27563	12250	6891	4410
Spot Diameter	0.17	0.34	0.68	1.36	2.04	2.72	3.4

Beam Mode 22°

Lux	22000	5500	1375	344	153	86	55
Spot Diameter	2.02	4.04	8.08	16	24	32	40

Gobo Mode

Distance (m) 5 10 20 40 60 80 100



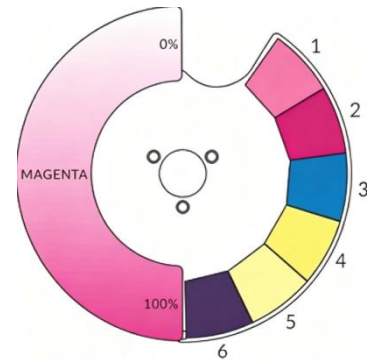
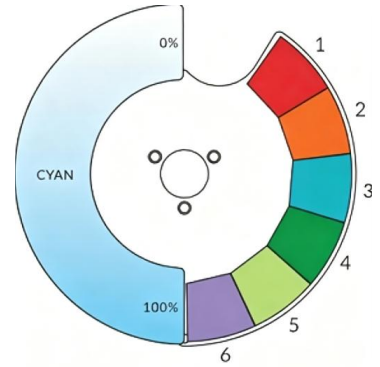
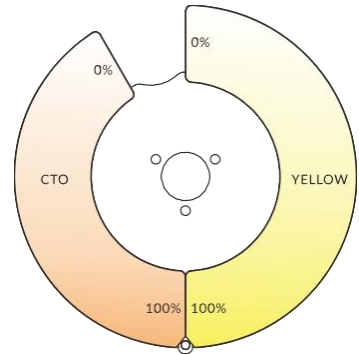
Gobo Mode (3.43) °

Lux	1840000	460000	115000	28750	12778	7188	4600
Spot Diameter	0.3	0.6	1.2	2.4	3.6	4.79	5.99

Gobo Mode 50°

Lux	13600	3400	850	213	94	53	34
Spot Diameter	5.87	11.74	22.48	46.97	70.45	93.93	117.42

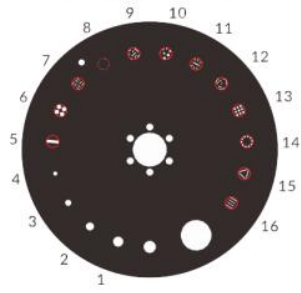
Gobo Wheel



Effect

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1 Static Gobo Wheel ,16 gobos



1 Rotating Gobo Wheel,9 interchangeable gobos

