



15-06 Morlot Avenue, Fair Lawn, NJ 07410 USA Tel: (201) 796-2690 Fax: (201) 796-8818

info@articulight.com

articulight@aol.com

www.articulight.com

ARCHITECTURAL COLOR CHANGERS

MAX 4™ 4000W CYM Moving Head



Aptly named, the MAX 4™ model 4100PR is a new moving head high power CYM narrow variable single beam color changer searchlight. This concept in such a high lamp power fixture is almost unique and the combination of moving beam and color change provides a truly spectacular display that would be a highlight for any permanent or temporary event.

MAX 4™ shares the same lamp and color change assembly as the static beam , and uses the same Xenon 4000W flicker free lamp with nickel rhodium plated reflector to give an extraordinary light output, further enhanced by the narrow angle beam, zoomable between 0-25 degrees. The CYM color mixing system gives an enormous range of color hues, and the unit is certified to an IP55 rating and so is specifically designed for exterior use.

The base unit features brake locking wheels and screw jacks for leveling (assisted by onboard spirit level) and stabilizing the unit, transit locks are provided for the pan and tilt movement and the unit is designed for reliability even in tough use, being built from aluminum and galvanized steel with scratch resistant textured polyester black finish.

The high technology lamp and color changing/zoom optics section from our searchlights is already proven, but the same attention to detail has been paid to the new base unit, and, for example, brushless servo motors are used for the pan and tilt movement to ensure high reliability and precision.

Onboard or remote DMX512 gives access to all functions, which include frost soft edge effect, blackout, dimmer, strobe and standby. Although it is likely that this unit will normally be run by external DMX (13 channels required), on board preprogrammed color sequences plus a movement demo program means that the unit could be used in a stand alone mode.

The outstanding MAX 4™ has huge creative possibilities, both with architectural and color changing sky projector applications as well as with live event use, and this wide range of abilities make the unit ideal for rental companies as well as for fixed installation in large scale concepts. Extraordinary output is given also by its nickel rhodium plated reflector. The CYM color mixing system gives a rich range of color hues. Shooting distance is up to 6 kilometers (4 miles).



FEATURES AND BENEFITS

- * MAX 4 is available for big outdoor venues or permanent events which can show your spectator a grand highlight beam.
- * Linear CYM color mixing system provides you a vast range of colors.
- * The head of fixture can move up to pan 400°, tilt 225°, and pan/tilt position correction automatically.also pan & tilt interchange and reverse function.
- * Split design of head and power case.
- * IP 55, the fixture could be safely operated under various kind of weather environment.

TECHNICAL SPECIFICATIONS

Lamp: XQ4000 xenon, 4000w, Double ended; 600 hours, 6000 degrees K color temperature
Color System: Full CYM color mixing, unlimited variety of colors and shades
- High resolution stepper motors . - Color crossfades can be programmed at four different speeds or in real time
Dimmer/Shutter/Strobe: Smooth dimmer from 0% to 100% ; Blackout,
Strobe: 1-17 Fps
Focus: DMX controlled
Zoom and Beam Angle: 0-25 degrees, adjustable.

Frost: Frost filter for diffused beam effect; DMX controlled 0-100% smooth adjustable

Pan: 400 degrees, position auto correction, microstep 8/16 bit, adjustable speed

Tilt: 225 degrees, position auto correction, microstep 8/16 bit with photoelectric positioning for 16 bit resolution, adjustable speed

DMX Channels: 13 or 10

Control Options: DMX 512. 10 Channels in short mode; 13 channels in standard mode. 3 pin and 5 pin DMX 512 interface. Stand alone automatic, master/slave, on-board control, remote control

Power Requirements: 220-230-240 v/50-60Hz. Rated Power: 5300w

IP Rating: IP 55

Standards: In conformity with CE standard and ROHS directive

Cooling: Very quiet convection and forced cooling

Dimensions: H 1236 x L 799 x W 720 mm (subject to change)

Net Weight: 126 kgs (277 lbs)

Housing and Finish: High strength aluminum alloy and industrial plastic and composite plastic finished in black.

Projection Distance: Up to 6 kilometers (almost 4 miles)

Other Functions: Programmable function; Pan and tilt speed adjustable:

Display shows lamp and projector hours; Overheating protection; LCD display, brightness and contrast adjustable.



DMX PROTOCOL

SHORT MODE	STANDARD MODE	FUNCTION	DMX	DESCRIPTION	
1	1	CYM-Cyan	000-255	Linear adjust from light to dark	
2	2	CYM-Yellow	000-255	Linear adjust from light to dark	
3	3	CYM-Magenta	C=Y=255	000-127	Linear adjust from light to dark
				128-255	CYM colour mixing Macros from fast to slow
			C≠255 Or Y≠255	000-255	Linear adjust from light to dark
4	4	Focus	000-255	Linearly adjustable from far to near	
5	5	Pan	000-255	Pan rotation 400°	
6	6	Tilt	000-255	Tilt rotation 225°	
7	7	Strobe	000-010	white	
			011-255	From slow to fast	
8	8	E-Dimmer	000-255	Linearly adjustable from light to dark	
9	9	Frost	000-255	Frost linearly adjustable from 0 to 100%	
	10	Pan & Tilt Speed	000-255	Pan&Tilt speed from fast to slow	
	11	Pan Fine	000-255	Pan rotation in 16 precision	
	12	Tilt Fine	000-255	Pan rotation in 16 precision	
10	13	Control	000-048	Reserved	
			049-080	Reset	
			081-112	Reserved	
			113-144	Lamp off (stop in DMX value for 10 s)	
			145-168	Reserved	
			169-200	Lamp power reduced to 50%	
			201-223	Reserved	
		224-255	Lamp on		

DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.