

LED Pixel Mapping & Zone Controllable Moving Heads

By JustinLang

A wash light is a wash light right? Not since LEDs made their way into our world. When manufacturers started to incorporate LEDs into wash fixtures, it was just that, a wash fixture. They had the added benefit of energy savings and almost every single color available from the rainbow.

Some manufacturers were quick to realize that maybe turning the moving heads towards the audience and putting simple shapes and color combinations on the front of the fixture might make some interesting eye candy effects.

When those first fixtures offered that feature, LDs were besides themselves. Another tool in the tool box to add another dimension of light.

The capabilities of these pixel mapping and zone controllable fixtures have been exploding as of late. First came the zone control or cluster control of LEDs. LDs wanted more, and they got it with individual pixel control of all of the LEDs. Instead of relying on the simple shapes and designs that manufacturers included via a control channel, an LD can make their own patterns, chases and combinations coming out the front of the lens.

With individual pixel control and zone controls come more channels of control and, usually, additional programming time. Most manufacturers still include macros and control channels for prebuilt effects. With some of the advancements of control consoles in the

past few years, controlling a 100+ channel device can be done with software on your given console. Another option available with some fixtures is Kling-Net control. Send an image or video through ArKaos, and Pixel mapper and Kling-net take care of the rest.

Not all pixel-mapping and zone control fixtures are built the same, nor do they offer identical features. After reviewing what is available from our Buyers Guide, take to YouTube and check out the product demos that these manufacturers offer to see what features their products offer. Once you narrow it down, an in-person demo is the next (and highly recommended) step before making your final purchase decision. **PLSN**



ADJ Illusion Dotz 4.4



Ayrton MagicPanel-R



Blizzard Lighting BlockHead



Chauvet Professional Next NXT-1



Clay Paky A.leda B-Eye K20



Elation Platinum Wash ZFX Pro XL



GLP Impression X4 XL



High End Systems SoloWash 37



JB Lighting Sparx 10



Martin Professional Quantum Wash



Mega-Lite XLED 1037



Robe Robin 1200 LEDWash



Vari-Lite VLX Wash

	Model	Total LEDs	Wattage Per LED	Max Power Consumption	LED Colors	Lamp Life	Pan/Tilt	Zoom	Special Features	RDM	3 Pin	5Pin	Ethernet	Wireless DMX	Max DMX Channels	Weight	Size	MSRP
ADJ adj.com	Illusion Dotz 4.4	16	30W	468W	RGB	100,000 Hours	360 or 540/270	No	KlingNet controllable	Yes	Yes	Yes	Yes	No	59	18 lbs	16.5" x 6" x 15"	\$2,199.95
Ayrton ayrton.eu	MagicPanel-R	25	15W	430W	RGBW	50,000 Hours	∞/∞	NO	KlingNet controllable	YES	No	Yes	Yes	Option	116	43.8 lbs	17" x 22.7" x 12"	\$7,754.00
Blizzard Lighting blizzardlighting.com	BlockHead	25	12W	240W	RGBW	N/A	∞/∞	No	Standalone, Master/Slave, Auto, Sound Active	No	Yes	No	No	No	116	32.6 lbs	15.25" x 19" x 15.25"	\$2,999.99
Chauvet Professional chauvetprofessional.com	Next NXT-1	25	10W	397W	RGBW	50,000 Hours	540/270	No	KlingNet controllable	No	Yes	Yes	Yes	No	119	30.6 lbs	11.3" x 15.4" x 18.6"	\$3,749.99
Clay Paky claypaky.it	A.leda B-Eye K20	37	15W	750W	RGBW	50,000 Hours	540/210	Yes	Rotatable Front Lens	Yes	Yes	Yes	Yes	Option	148	46.3 lbs	18.1" x 18.74" x 13"	\$11,225
Elation Professional elationlighting.com	Platinum Wash ZFX Pro XL	37	15W	700W	RGBW	100,000 Hours	630/265	Yes	15-28 Zoom	Yes	Yes	Yes	No	Option	160	54 lbs	19.4" x 13.2" x 23.4"	\$6,499.99
GLP germanlightproducts.com	impression X4 XL	55	15W	900W	RGBW	50,000 Hours	660/260	Yes	Internal Pixel Patterns	Yes	No	Yes	No	No	27	53 lbs	20.5" x 22.5" x 9.4"	\$9,999
High End Systems highend.com	SoloWash 37	37	15W	680W	RGBW	N/A	540 or 630/270	Yes	32 Separate Indigo Highlighters	N/A	No	Yes	No	No	N/A	54 lbs	15.4" x 12.6" x 20"	\$6,700
JB Lighting jblighting.com	Sparx 10	37	25W	700W	RGBW	N/A	450/330	Yes	4-40 Zoom	N/A	Yes	Yes	No	Yes	N/A	26.4 lbs	15.9" x 18.8" x 10.4"	\$6,500
Martin martin.com	MAC Quantum Wash	50	15W	1020W	RGBW	50,000 Hours	540/270	Yes	Beam Twister Effect	Yes	No	Yes	No	Option	33/14	46.2 lbs	17.9" x 16.9" x 22.8"	\$10,280
Mega Lite mega-lite.com	XLED 1037	37	10W	450W	RGBW	50,000 Hours	540/270	Yes	Aliner CTO from 3200K to 10,000K	No	Yes	Yes	No	No	24	28.2 lbs	15" x 15.3" x 10.8"	\$3,266
Robe robe.cz	Robin 1200 LEDWash	61	15W	680w	RGBW	60,000 Hours	450/300	Yes	Linear Zoom 8-63	Yes	No	Yes	Yes	Optional	45	39.7 lbs	22.4" x 17.3" x 10.5"	\$10,999
Vari-Lite vari-lite.com	VLX Wash	7	120W	1200W	RGBW	10,000 Hours	540/270	Yes	Indy Mode for individual LED control	No	No	Yes	No	No	23	62 lbs	27.4" x 17.46" x 17.20"	\$10,825