Matrix II RGBW
Cinematic Quad-Source LED Punch Light

With HSI, RGBW, and CCT control modes, the Matrix II RGBW brings full-color control to Fiilex's line of quad-source LED punch lights. Unlike other RGBW fixtures, the Dense Matrix LEDs in the Matrix II RGBW feature multi-wavelength color groups. This means that, for example, different chips in the blue range of the LED array emit different shades (or wavelengths) of blue. The Matrix II RGBW blends these wavelengths to produce high-quality color that is rich and consistent across the visible spectrum.

The Matrix II RGBW fixture draws 340W of power and produces an output greater than a 1k tungsten soft light. This output is generated by the four Dense Matrix LED clusters that are set into a custom-designed reflecting chamber and enclosed by a layer of diffusion. With its four LED sources, the Matrix II supports additional optics and accessories that can easily reshape the fixture's illumination.
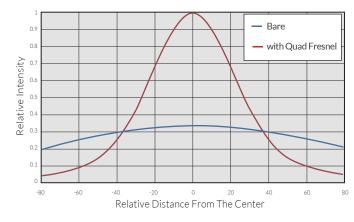
FEATURES

- 340W power draw
- Quad 75W DiCon Dense Matrix LED
- 99° wide beam, 31° with optional Quad Fresnel
- Smooth dimming down to 0%
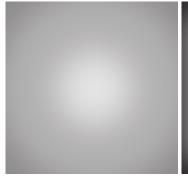- Flicker free at any frame rate

- HSI Mode (hue, saturation, intensity)
- Tunable CCT Mode (2800-10000K)
- High CRI at any color temperature
- Broadband full-spectrum LED source
- Designed in USA. Assembled in USA/Taiwan
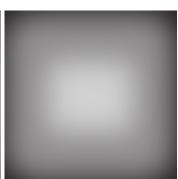
EXCELLENT COLOR RENDERING

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	CRI Ra*	CRI Ext*	TLCI
3200K	96	98	86	95	98	96	95	91	87	88	94	86	98	90	95	94	93	92
5600K	98	96	91	97	96	94	97	96	90	86	95	86	97	94	97	96	94	95

BEAM PROFILE

Matrix II
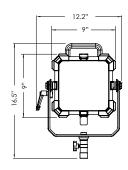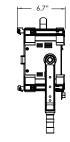
Matrix II with Quad Fresnel

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SPECIFICATIONS

Fresnel Size	Optional Quad Fresnel Leans (Removable)
Beam Angle	99° (31° w/ Optional Quad Fresnel Lens)
CCT Range	2800-10000K Continuous Tuning
Hue Control	± 0.25 Green/Magenta
CRI	95 Typical
Dimming	100% - 0% (Cut off @ 0.1%)
LED	(Four) 75W DiCon Dense Matrix LED
Input Power	120V-240VAC
Power Consumption	340W Max AC | 300W Max DC
Power Adapter	AC Input: 100-240V AC, 50~60Hz | DC Output: 48V
Power Port	XLR-3P
DMX Port	Two XLR Ports-5P (512 Addresses)
USB 5V	Yes
Weight	Fixture: 9.7 lbs / 4.4kg (Includes Yoke) | Power Adapter: 5.6 lbs/2.6 kg
Size	L 6.7 " x W 12.2 " x H 16.5 " / L 171mm x W 311mm x H 418mm
Mount Style	Baby Stud 5/8" Female (16mm) and Junior Stud 1-1/8" Male (28mm)
Thermal Design	Advanced Vapor Cooling System (Fan Cooled)
Operating Temperature	32 - 104°F / 0 - 40° C

PHOTOMETRIC DATA

Distance	1.0 m [3.3 ft]	3.0 m [9.8 ft]	5.0 m [16.4 ft]
Matrix II RGBW @3200K			Bare 99°
Bare (fc)	555	62	22
Bare (Lux)	1332	148	53
with Quad Fresnel (fc)	14340	1593	574
with Quad Fresnel (Lux)	5974	664	239

Spot 31°

Distance	1.0 m [3.3 ft]	3.0 m [9.8 ft]	5.0 m [16.4 ft]
Matrix II RGBW @5600K			Bare 99°
Bare (fc)	579	64	23
Bare (Lux)	1390	154	56
with Quad Fresnel (fc)	14966	1663	599
with Quad Fresnel (Lux)	6235	693	249

Spot 31°

OPTIONAL ACCESSORIES & KITS

Matrix Barndoor

Quad Fresnel

Matrix Speed Ring

Softbox

H142 Kit
1x Matrix II RGBW

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