The **Matrix COLOR** is a 320W LED fixture that combines high-fidelity soft-source illumination with a focusable, fresnel-like forward punch. This optical versatility is made possible by Fiilex's custom Dense Matrix LED technology, which also features smooth dimming to 0%, no flicker, and very high CRI. Two snap-on fresnel accessories are available to narrow the Matrix COLOR's standard 100° spread down to 30° or 18°.

FEATURES

- High-CRI white light output (2000-10000K)
- 8 and 16-bit color modes: CCTRGBW, CCTHSI, CIExy, etc.
- IP-X5 Rating (water resistant)
- Lightweight (only 9.9lbs)

- Accessories available for multiple lighting styles
- Smooth and Sharp dimming modes
- DMX-controllable fan modes: Full, Variable, Silent, Off

BEAM PROFILE

Legend:
- w/o Fresnel
- with 30° Fresnel
- with 18° Fresnel

Y-axis: Relative Intensity (1x, 3x, 5x)
X-axis: Relative Distance From The Center (-80, -60, -40, -20, 0, 20, 40, 60, 80)

Dimensions: 12.6", 9.1", 17.7", 9.1", 6.7"

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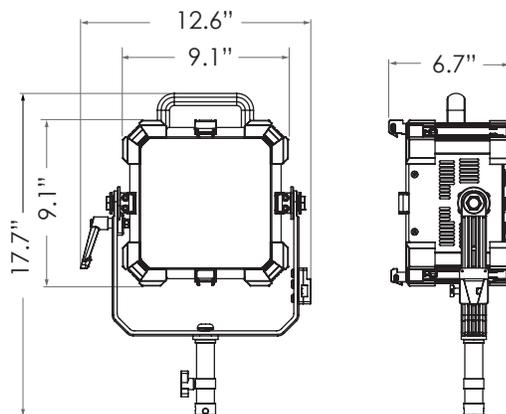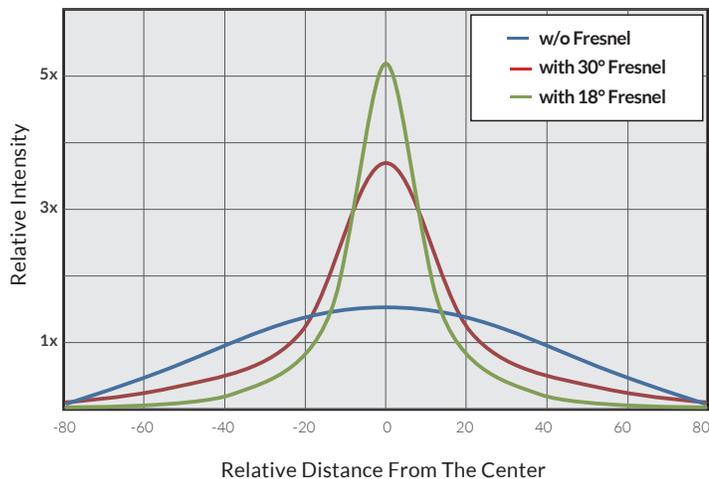
SPECIFICATIONS

Beam Angle	100° (30° or 18° with fresnel accessories)
CCT Range	2000-10000K continuous tuning + magenta/green shift
CRI / TLCI	95 / 90 typical
Control Modes	CCT, HSI, RGBW, GEL, CCTRGBW, CCTHSI, CIExy, ICTHS, PXL4, and more
Dimming	100% - 0% flicker free
Dimming Modes	Smooth, Sharp
Light Engine	DiCon Dense Matrix LED
Power Consumption	320W max AC | 300W max DC
BTUs/hour	1091 (BTUs/hour) max
DC Input	48V DC (via XLR-3)
AC Input	100 - 240V AC, 50 ~ 60Hz (via powerCON TRUE1)
DMX/RDM Port	XLR-5
Ethernet	sACN, ArtNet (via RJ45)
USB Power Output	5V/1A (via USB-A)
Weight	Fixture: 9.9 lbs / 4.5kg (includes yoke) | Power adapter: 6.4 lbs/2.9 kg
Size (L x W x H)	6.7 ” x 12.6 ” x 17.7 ” / 17.1cm x 32.1cm x 45.0cm
Mount Type	Combo (baby stud female / junior stud male)
IP Rating	IP-X5 (water-resistant)
Thermal Design	Advanced vapor cooling system (fan cooled)
Operating Temperature	32 - 104°F / 0 - 40°C

PHOTOMETRIC DATA

Matrix @3200K

Distance	1.0 m [3.3 ft]	3.0 m [9.8 ft]	5.0 m [16.4 ft]
Bare 100°	557	62	22
			54
FC	1342	149	75
	1875	208	
Lux	20182	2242	807
	14445	1605	578
	5991	666	240

Spot 30° (With 30° Fresnel)   Spot 18° (With 18° Fresnel)

Matrix @5600K

Distance	1.0 m [3.3 ft]	3.0 m [9.8 ft]	5.0 m [16.4 ft]
Bare 100°	581	65	23
			56
FC	1400	156	78
	1957	217	
Lux	21062	2340	842
	15075	1675	603
	6253	695	250

Spot 30° (With 30° Fresnel)   Spot 18° (With 18° Fresnel)
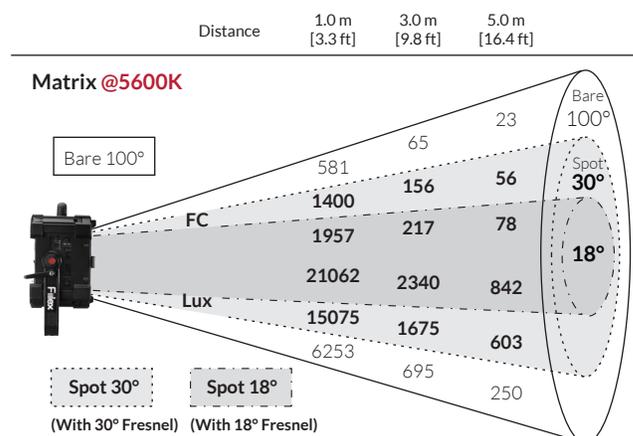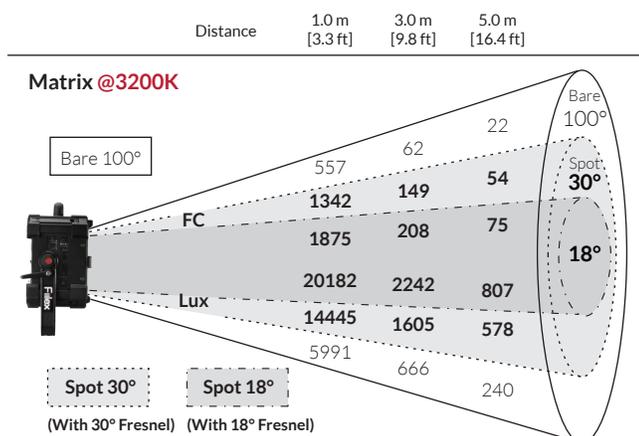
OPTIONAL ACCESSORIES

Matrix Barndoor **Matrix Fresnel Lens, 30˚** **Matrix Fresnel Lens, 18˚** **Matrix Speed Ring** **OCTA4 Softbox**