



KOSMOS 400 color Studio

COMPARISON CHART June 2020



	KOSMOS 400 color STUDIO	ARRI Orbiter	ARRI L10	Desisti F10HP Vari-White	Mole 10" 400W Vari-Junior
OPTICAL SYSTEM	motorized ZOOM Fresnel + changeable lampheads	manually changeable optics	Fresnel	Fresnel	Fresnel
LIGHT APERTURE	300mm / 12" glass Fresnel	45mm	274mm / 11" Fresnel	254mm / 10" glass Fresnel	254mm / 10" glass Fresnel
BEAM ANGLE	variable 13° to 56°	15°-30°-60°-80°	variable 15° to 50°	variable 15° to 54°	variable 20° to 55°
COLOR TEMPERATURE	variable from 2,500K to 10,000K	2,000K to 20,000K	2,800K to 10,000K	2,800K to 6,600K	2,700K to 6,500K
GREEN-MAGENTA	Continuously adjustable	Continuously adjustable	Continuously adjustable	No	Continuously adjustable
COLOR RENDITION	CRI >95 TLCI >95	CRI 98 TLCI 95	CRI 94 TLCI 90	CRI 95 TLCI 96	95 CRI TLCI 90
HIGH SPEED	up to 12,000 fps			up to 40,000 fps	
DIMMING	smooth 0 to 100%, 4x dimming curves	smooth 100% to 0%	100 to 0%	100 to 0%	100 to 0%
LIGHT ENGINE	35mm R+G+B+W+CW	45mm RGB+Amber+Cyan+Lime	RGBW	Bicolor	Bicolor
COLOR CONTROL MODES	CTT, HSI, CTT+RGB, GELS, EFFECTS with ZOOM in every mode	CTT, HSI, GELS, RGB, EFFECTS, XY, sensor, source	CTT, HSI+, GELS, RGB	Kelvin	Kelvin
LOCAL CONTROL	Color touchscreen with 2x rotary dials, USB	Color touchscreen with 1x rotary dial, USB	Optional 3x rotary dials, Mini-USB	2x rotary dials	LCD Touchscreen
WIRELESS REMOTE CONTROL	WiFi Art-Net, Bluetooth and free VELVET Goya IOS & Android app	LumenRadio CRMX			LumenRadio, Bluetooth
WIRE REMOTE CONTROL	XLR5 In&Out full DMX-RDM, RJ45	XLR5 I&O full DMX-RDM, Ethernet I&O	XLR5 In&Out with full DMX-RDM	XLR5 In&Out DMX	XLR5 In&Out DMX
DIMENSIONS	L.495 Ø 320 mm/ L.19.5" Ø 12.6"	329 x 274 x 378 mm	560 x 502 x 236 mm	410 x 362 x 415 mm	432 x 432x 546 mm
FIXTURE + YOKE WEIGHT	9.8 kg / 22.6 lbs	15 kg / 33 lbs	19 kg / 42 lbs	13,5 kg / 29.7 lbs	11 kg / 24 lbs
POWER DRAW	400W (3.7 Amps at 110 VAC)	400W - maximum 500W	510W maximum	400W	480W
AC INPUT VOLTAGE	90-264 VAC 50/60 Hz	90-264 VAC 50/60 Hz	90-250 VAC 50/60Hz	90-250 VAC 50/60Hz	90-250 VAC 50/60Hz
LAMP LIFE	50,000 hours LM70	50,000 hours LM70	50,000 hours LM70	50,000 hours LM70	
COOLING	Passive liquid cooling system into sealed 3D chamber with silent fan	Active, 1x variable speed fan	Active, 1x variable speed fan	Active, 1x variable speed fan	Active, 1x variable speed fan
PROTECTION	IP30	Weatherproof	IP 20	IP 22	IP30
PHOTOMETRICS	5600K	5600K	5600K	6600K	6500K
3 meters / 10 feet FLOOD	4,500 Lux / 416 fc at 50°		2,100 Lux / 195 fc at 48°	3,900 Lux / 360 fc at 54°	4,300 Lux / 400 fc at 55°
3 meters / 10 feet SPOT	19,000 Lux / 1760 fc at 13°		15,400 Lux / 1425 fc at 15°	17,000 Lux / 1575 fc at 15°	8,600 Lux / 800 fc at 20°
6 meters / 20 feet FLOOD	1,180 Lux / 109 fc at 50°		530 Lux / 49 fc at 48°	970 Lux / 90 fc at 54°	1,070 Lux / 99 fc at 55°
6 meters / 20 feet SPOT	4,960 Lux / 459 fc at 13°		3,850 Lux / 356 fc at 15°	4,250 Lux / 394 fc at 15°	2,100 Lux / 194 fc at 20°
PRICE	4.895 €	5.775 €	4.650 €	5.400 €	4.255 €



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	KOSMOS 400 color STUDIO	ARRI M8 HMI 800W	ARRI D12 HMI 1200W	Tungsten Fresnel 2000W	
OPTICAL SYSTEM	motorized ZOOM Fresnel + changeable lampheads	Open face + Reflector	Fresnel	Fresnel	
LIGHT APERTURE	300mm / 12" glass Fresnel	200mm / 8"	175mm / 6.9" glass Fresnel	254mm / 10" glass Fresnel	
BEAM ANGLE	variable 13° to 56°	15°-60°	7.5°-50°	12°-50°	
COLOR TEMPERATURE	variable from 2,500K to 10,000K	6,000K	6,000K	3400K	
GREEN-MAGENTA	Continuously adjustable	No	No	No	
COLOR RENDITION	CRI >95 TLCI >95	CRI 95	CRI 95	CRI 99	
HIGH SPEED	up to 12,000 fps	1,000 fps	1,000 fps		
DIMMING	smooth 0 to 100%, 4x dimming curves	50%-100%	50%-100%	No	
LIGHT ENGINE	35mm R+G+B+W+CW	G22 HMI lamp	G38 HMI lamp	G38 tungsten lamp	
COLOR CONTROL MODES	CTT, HSI, CTT+RGB, GELS, EFFECTS with ZOOM in every mode	No	No	No	
LOCAL CONTROL	Color touchscreen with 2x rotary dials, USB	Dimming 50%-100%	Dimming 50%-100%	No	
WIRELESS REMOTE CONTROL	WiFi Art-Net, Bluetooth and free VELVET Goya IOS & Android app				
WIRE REMOTE CONTROL	XLR5 In&Out full DMX-RDM, RJ45				
DIMENSIONS	L.495 Ø 320 mm/ L.19.5" Ø 12.6"	476 x 350 x 310 mm	578 x 361 x 325 mm	398 x374 x 325 mm	
FIXTURE + YOKE WEIGHT	9.8 kg / 22.6 lbs	8,4kg + 6kg ballast / 18,5 + 14lbs	10kg + 6kg ballast / 22 + 14lbs	12 kg / 26.5 lbs	
POWER DRAW	400W (3.7 Amps at 110 VAC)	800W	1200W	2000w	
AC INPUT VOLTAGE	90-264 VAC 50/60 Hz	90-260 VAC 50/60 Hz	90-260 VAC 50/60 Hz	120-230 VAC 50/60Hz	
LAMP LIFE	50,000 hours LM70	400 hours	400 hours	250 hours	
COOLING	Passive liquid cooling system into sealed 3D chamber with silent fan	passive	passive	passive	
PROTECTION	IP30	IP23	IP23	IP 22	
PHOTOMETRICS	5600K	5600K	5600K	3200K	
3 meters / 10 feet FLOOD	4,500 Lux / 416 fc at 50°	4,500 Lux / 416 fc at 60°	7,700 Lux / 712 fc at 50°	3,100 Lux / 287 fc at 55°	
3 meters / 10 feet SPOT	19,000 Lux / 1760 fc at 13°	45,000 Lux / 4165 fc at 15°	31,000 Lux / 2870 fc at 15°	21,000 Lux / 1944 fc at 13°	
6 meters / 20 feet FLOOD	1,180 Lux / 109 fc at 50°	1,100 Lux / 102 fc at 60°	1,900 Lux / 176 fc at 50°	770 Lux / 71 fc at 60°	
6 meters / 20 feet SPOT	4,960 Lux / 459 fc at 13°	11,000 Lux / 1018 fc at 15°	7,700 Lux / 712 fc at 15°	5,200 Lux / 480 fc at 13°	
PRICE	4.895 €	8.680 €	9.030 €		



KOSMOS 200 color Studio

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	KOSMOS 200 color STUDIO	ARRI L7-C	K5600 Alpha 300 LED bicolor	Desisti F7 HP Vari-White	Mole 6" 200W Vari-Baby
OPTICAL SYSTEM	motorized ZOOM Fresnel + changeable lampheads	Fresnel	Fresnel	Fresnel	Fresnel
LIGHT APERTURE	200mm / 8" glass Fresnel	175mm / 6.9" plastic Fresnel	175mm / 6.9" glass Fresnel	175mm / 7" glass Fresnel	152mm / 6" glass Fresnel
BEAM ANGLE	variable 13° to 60°	variable 15° to 50°	5°-55°	variable 13° to 60°	variable 20° to 55°
COLOR TEMPERATURE	variable from 2,500K to 10,000K	2,800K to 10,000K	2700K to 6500K	2,800K to 6,600K	2,700K to 6,500K
GREEN-MAGENTA	Continuously adjustable	Continuously adjustable	No	No	Continuously adjustable
COLOR RENDITION	CRI >96 TLCI >96	CRI 94 TLCI 90	CRI 95	CRI 95 TLCI 96	95 CRI TLCI 90
HIGH SPEED	up to 12,000 fps			up to 40,000 fps	
DIMMING	smooth 0 to 100%, 4x dimming curves	100 to 0%	100 to 0%	100 to 0%	100 to 0%
LIGHT ENGINE	25mm R+G+B+W+CW	RGBW	Bicolor	Bicolor LED	Bicolor LED
COLOR CONTROL MODES	CTT, HSI, CTT+RGB, GELS, EFFECTS with ZOOM in every mode	CTT, HSI+, GELS, RGB	Kelvin	Kelvin	Kelvin
LOCAL CONTROL	Color touchscreen with 2x rotary dials, USB	Optional 3x rotary dials, Mini-USB	1x rotary dial	2x rotary dials	LCD Touchscreen
WIRELESS REMOTE CONTROL	WiFi Art-Net, Bluetooth and free VELVET Goya IOS & Android app		LumenRadio		LumenRadio, Bluetooth
WIRE REMOTE CONTROL	XLR5 In&Out full DMX-RDM, RJ45	XLR5 In & Out with full DMX-RDM	XLR5 In & Out DMX	XLR5 In&Out DMX	XLR5 In & Out DMX
DIMENSIONS	L.464 Ø 235 mm/ L.18.1" Ø 9.2"	384x 303 x 200mm	290 x280 x350 mm	460 x 310 x 300 mm	316 x 277 x 369 mm
FIXTURE + YOKE WEIGHT	8.5 kg/ 18.7 lbs	9 kg /20 lbs	5.4kg + ballast / 12 + XX lbs	7.8 kg / 17 lbs	6 kg / 13 lbs
POWER DRAW	200W (1.8 Amps at 110 VAC)	maximum 220W	300W	180W	200W
AC INPUT VOLTAGE	90-264 VAC 50/60 Hz	90-250 VAC 50/60Hz	90-260 VAC 50/60 Hz	90-250 VAC 50/60Hz	90-250 VAC 50/60Hz
LAMP LIFE	50,000 hours LM70	50,000 hours LM70		50,000 hours LM70	
COOLING	Passive liquid cooling system into sealed 3D chamber with silent fan	Active, 1x variable speed fan	Active, 1x variable speed fan	Active, 1x variable speed fan	Active, 1x variable speed fan
PROTECTION	IP30	IP 20		IP 22	IP30
PHOTOMETRICS	5600K	5600K	5600K	3200K	6500K
3 meters / 10 feet FLOOD	2,200 Lux / 204 fc at 50°	900 Lux / 83 fc at 48°		1,470 Lux / 137 fc at 60°	1,450 Lux / 135 fc at 50°
3 meters / 10 feet SPOT	10,000 Lux / 926 fc at 15°	7,500 Lux / 694 fc at 15°		8,650 Lux / 804 fc at 13°	3,120 Lux / 290 fc at 20°
6 meters / 20 feet FLOOD	550 Lux / 51 fc at 50°	225 Lux / 21 fc at 48°		370 Lux / 34 fc at 60°	360 Lux / 33 fc at 50°
6 meters / 20 feet SPOT	2,500 Lux / 231 fc at 15°	1,850 Lux / 171 fc at 15°		2,160 Lux / 200 fc at 13°	780 Lux / 72 fc at 20°
PRICE	2.895 €	2.800 €	5.000 €	3.700 €	2.820 €



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	KOSMOS 200 color STUDIO	Tungsten Fresnel 1000W	ARRI D5 HMI 575W	
OPTICAL SYSTEM	motorized ZOOM Fresnel + changeable lampheads	Fresnel	Fresnel	
LIGHT APERTURE	200mm / 8" glass Fresnel	150mm / 5.9" glass Fresnel	150mm / 6" glass Fresnel	
BEAM ANGLE	variable 13° to 60°	8°-53°	6°-56°	
COLOR TEMPERATURE	variable from 2,500K to 10,000K	3400K	6,000K	
GREEN-MAGENTA	Continuously adjustable	No	No	
COLOR RENDITION	CRI >96 TLCI >96	CRI 99	CRI 95	
HIGH SPEED	up to 12,000 fps		1,000 fps	
DIMMING	smooth 0 to 100%, 4x dimming curves	No	50%-100%	
LIGHT ENGINE	25mm R+G+B+W+CW	G22 tungsten lamp	G22 HMI lamp	
COLOR CONTROL MODES	CTT, HSI, CTT+RGB, GELS, EFFECTS with ZOOM in every mode	No	No	
LOCAL CONTROL	Color touchscreen with 2x rotary dials, USB	No	Dimming 50%-100%	
WIRELESS REMOTE CONTROL	WiFi Art-Net, Bluetooth and free VELVET Goya IOS & Android app			
WIRE REMOTE CONTROL	XLR5 In&Out full DMX-RDM, RJ45			
DIMENSIONS	L.464 Ø 235 mm/ L.18.1" Ø 9.2"	325 x 204 x 185 mm	378 x 327 x 223 mm	
FIXTURE + YOKE WEIGHT	8.5 kg/ 18.7 lbs	6,3 kg / 13.9 lbs	6kg + 6kg ballast / 13 + 14lbs	
POWER DRAW	200W (1.8 Amps at 110 VAC)	1000W	575W	
AC INPUT VOLTAGE	90-264 VAC 50/60 Hz	120-230 VAC 50/60Hz	90-260 VAC 50/60 Hz	
LAMP LIFE	50,000 hours LM70	250 hours	400 hours	
COOLING	Passive liquid cooling system into sealed 3D chamber with silent fan	passive	passive	
PROTECTION	IP30	IP 22	IP23	
PHOTOMETRICS	5600K	3200K	5600K	
3 meters / 10 feet FLOOD	2,200 Lux / 204 fc at 50°	1,890 Lux / 175 fc at 53°	3,200 Lux / 296 fc at 55°	
3 meters / 10 feet SPOT	10,000 Lux / 926 fc at 15°	14,000 Lux / 1296 fc at 13°	15,500 Lux / 1435 fc at 15°	
6 meters / 20 feet FLOOD	550 Lux / 51 fc at 50°	470 Lux / 44 fc at 53°	800 Lux / 74 fc at 55°	
6 meters / 20 feet SPOT	2,500 Lux / 231 fc at 15°	3,500 Lux / 324 fc at 13°	3,900 Lux / 360 fc at 15°	
PRICE	2.895 €		5.770 €	