# ALL
LIGHT

1 2 4

Matrix Light

ALL LIGHT
ALLLLLLL RIGHT !!

Powerful enough to be called Ultimate Light Source

Ultimate Light Source Matrix Light ALL LIGHT

Matrix Light ALL LIGHT 1, 2, and 4 are designed and built with the goal of creating the ultimate lighting that professionals have wanted. The product reflects the diverse needs of the field and creates a fast and seamless user experience that enables professional users to deploy light sources as closely as possible to the real world. Professional users can easily meet their needs by using the ALL LIGHT Series when they need multi-functional, high-performance lighting to suit their situations, such as broadcasting, movies, commercials, and live events.
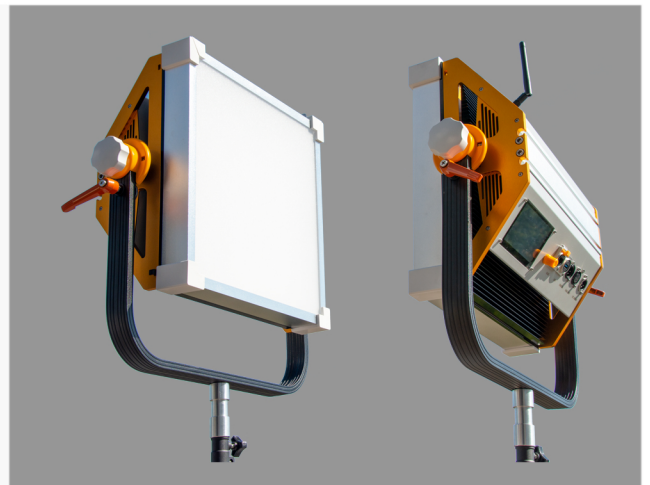
Innovative Graphic Touch Interface

The Matrix Light ALL LIGHT Series features an innovative Graphic Touch control interface, which provides users with quick and easy access to a variety of menus, making it incredibly easy and convenient to control compared to the complex and cumbersome operating methods adopted by similar products.

Wire / Wireless Control Interface

The Matrix Light ALL LIGHT Series complies with the DMX-512 standard protocol to make it fully compatible with traditional lighting controllers. The ALL LIGHT Series can also be controlled with smartphones and tablets via Bluetooth connection.

Preset / Preset Save

The Matrix Light ALL LIGHT Series has a preset menu that recreates the colors of many different light sources. In addition, the colors and brightness of the various light sources you set are saved through the Preset Save menu, and the saved settings can be recalled and used at any time. These features make it very convenient to match the settings of the same lighting when shooting multiple scenes in succession on the scene.

PRESET SAVE						Matrix Light
PRESET SAVE 1	PRESET SAVE 2	PRESET SAVE 3	PRESET SAVE 4	PRESET SAVE 5	PRESET SAVE 6	
PRESET SAVE 7	PRESET SAVE 8	PRESET SAVE 9	PRESET SAVE 10	PRESET SAVE 11	PRESET SAVE 12	
PRESET SAVE 13	PRESET SAVE 14	PRESET SAVE 15	PRESET SAVE 16	PRESET SAVE 17	PRESET SAVE 18	PRESET / PRESET SAVE
SAVE			DELETE			

Multi Effect and Color Filter

The ALL LIGHT provides users a wide range of preset lighting effects. Users can also easily create their custom lighting effects by using the ALL LIGHT effect creator. The ALL LIGHT includes hundreds of color filters, which can be accessed by their code value or name. The color filters not only simplify the color lighting process, but also enable precise and flexible color control.

FLASH FX		COLOR FX	Matrix Light
EMERGENCY	FIRE WORKS	DANCE PARTY	
FIRE PLACE	LIGHT PULSING	CROSS FADE	PRESET / PRESET SAVE

COLOR FILTERS 1	COLOR FILTERS 2	Matrix Light
000 Clear		Color #: 4
001 Light Bastard Amber		Medium Bastard Amber
002 Bastard Amber		Red : 253
003 Dark Bastard Amber		Green: 157
004 Medium Bastard Amber		Blue : 125
005 Rose Tint		INTENSITY : 1 %
006 No Color Straw		
007 Pale Yellow		PRESET / PRESET SAVE
008 Pale Gold		

Stronger body, better performance

The ALL LIGHT's main body includes a high-efficiency aluminium heat sink and a cooling fan. This feature help minimize the effect of temperature difference on the ALL LIGHT's performance. In addition, the mechanical strength and lifespan of the product's key parts and accessories have been significantly improved. ALL LIGHT will be the most ultimate form of LED light, providing the highest quality of light as intended by the photographer.
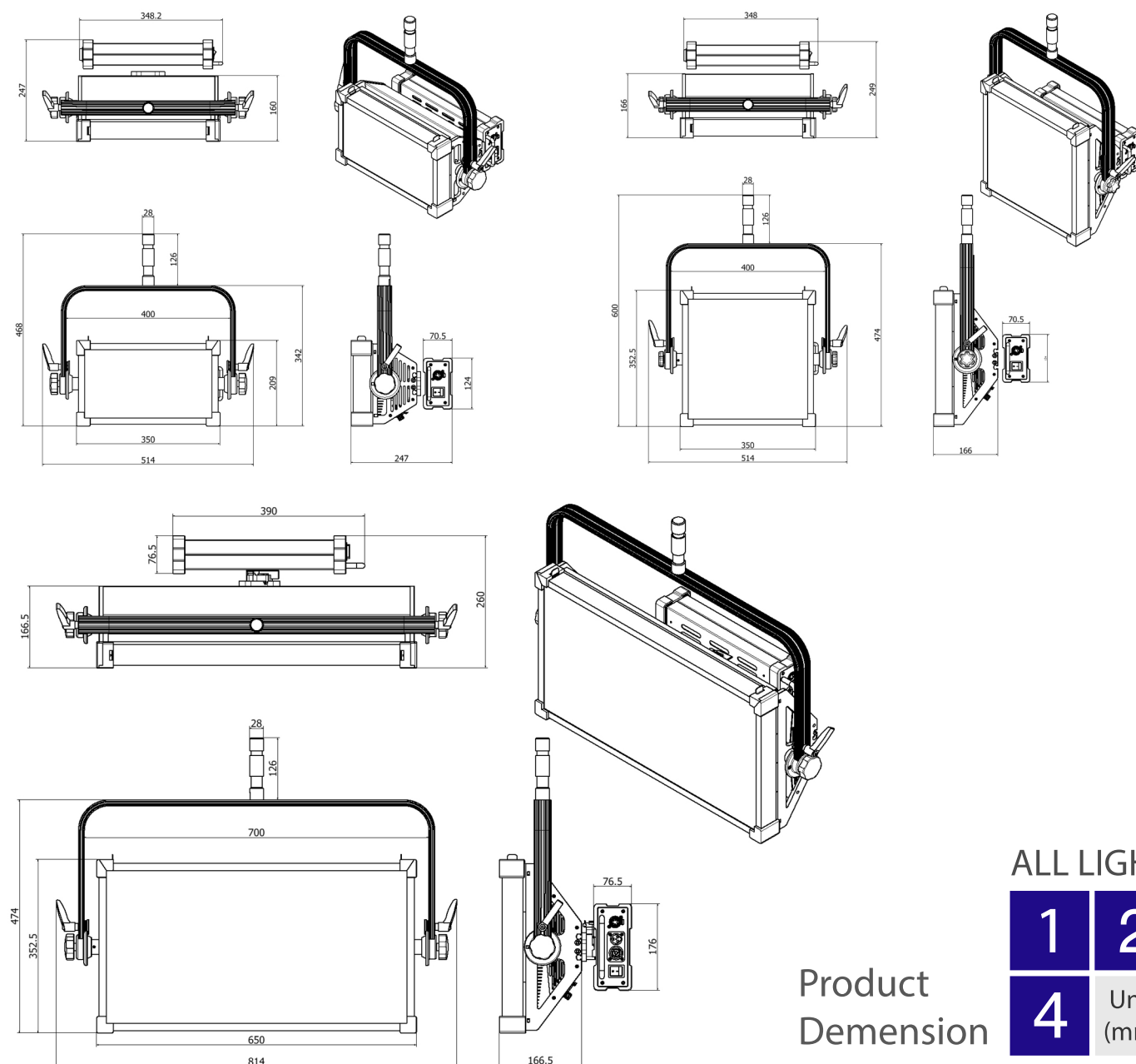

■ Photometric Data

	3 m / 9.8 ft		5 m / 16.4 ft		7 m / 23 ft		9 m / 29.5 ft	
All Light 1	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K
ALL LIGHT 1 with Standard Diffusion	414 lx	406 lx	149 lx	146 lx	76 lx	74 lx	46 lx	45 lx
	38 fc	38 fc	14 fc	14 fc	7 fc	7 fc	4 fc	4 fc
ALL LIGHT 1 with Lite Diffusion	448 lx	437 lx	161 lx	157 lx	82 lx	80 lx	50 lx	49 lx
	42 fc	41 fc	15 fc	15 fc	7 fc	7 fc	5 fc	5 fc
ALL LIGHT 1 with Heavy Diffusion	343 lx	333 lx	124 lx	120 lx	63 lx	61 lx	38 lx	37 lx
	32 fc	31 fc	11 fc	11 fc	6 fc	5 fc	3 fc	3 fc

All Light 2	3 m / 9.8 ft		5 m / 16.4 ft		7 m / 23 ft		9 m / 29.5 ft	
	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K
ALL LIGHT 2 with Standard Diffusion	829 lx	811 lx	298 lx	292 lx	153 lx	149 lx	92 lx	90 lx
	77 fc	76 fc	28 fc	27 fc	14 fc	14 fc	8 fc	8 fc
ALL LIGHT 2 with Lite Diffusion	895 lx	873 lx	323 lx	315 lx	165 lx	161 lx	100 lx	97 lx
	84 fc	81 fc	30 fc	30 fc	15 fc	15 fc	9 fc	9 fc
ALL LIGHT 2 with Heavy Diffusion	686 lx	667 lx	247 lx	240 lx	126 lx	123 lx	76 lx	74 lx
	63 fc	62 fc	23 fc	23 fc	12 fc	11 fc	7 fc	7 fc

All Light 4	3 m / 9.8 ft		5 m / 16.4 ft		7 m / 23 ft		9 m / 29.5 ft	
	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K	3,200 K	5,600 K
ALL LIGHT 4 with Standard Diffusion	1658 lx	1623 lx	597 lx	583 lx	305 lx	297 lx	184 lx	181 lx
	154 fc	151 fc	57 fc	54 fc	27 fc	27 fc	16 fc	16 fc
ALL LIGHT 4 with Lite Diffusion	1790 lx	1747 lx	645 lx	629 lx	329 lx	321 lx	200 lx	194 lx
	167 fc	162 fc	59 fc	59 fc	30 fc	30 fc	19 fc	19 fc
ALL LIGHT 4 with Heavy Diffusion	1372 lx	1334 lx	494 lx	481 lx	251 lx	246 lx	151 lx	149 lx
	127 fc	124 fc	46 fc	46 fc	24 fc	22 fc	14 fc	14 fc

ALL LIGHT

1 2
4 Unit: (mm)

Product Demension

■ Technical Specifications

Lamp Head

Optical System	Soft Diffusion Panel
Light Aperture	ML-AL1: 310 x 166 mm / 12.2 x 6.5" (All Light 1) ML-AL2: 310 x 310 mm / 12.2 x 12.2" (All Light 2) ML-AL4: 610 x 310 mm / 24.4 x 12.2" (All Light 4)
Beam Angle	115° (Half Peak Angle)
Weight	ML-AL1: 6.5kg/14.3lbs (All Light 1) ML-AL2: 8.9kg/19.6lbs (All Light 2) ML-AL4: 16kg/35.3lbs (All Light 4)
Handling	Aluminum Yoke, High Strength Tilt Lock, Pole Operation Option (Pan & Tilt)
Mounting	16 mm / 28 mm Combo Pin (Baby 5/8" / Junior 1-1/8" Combo Pin)
Tilt Angle	+/- 90°
Lamphead Voltage Input	48 V DC
Power Consumption	48V DC / 2.6A / 110 W Nominal, 120 W Maximum (ALL LIGHT 1) 48V DC / 5.2A / 220 W Nominal, 290 W Maximum (ALL LIGHT 2) 48V DC / 10.4A / 450 W Nominal, 580 W Maximum (ALL LIGHT 4)
Lamphead Power Connection	Male 3-Pin XLR - 15 Amp (Pin 1: Negative / Pin 2: Positive)
Battery Connector	Female 3-Pin XLR - 15 Amp (Pin 1: Negative / Pin 2: Positive)
Battery DC Voltage Range	48 V DC
Battery Mode Light Output	100 % of total output
White Light	2,800 K to 10,000 K continuously variable correlated color temperature
Colored Light	Full RBG+WW+PW color gamut with Hue and Saturation control
Color Temperature Tolerance	+/- 100 K (nominal), +/- 1/8 Green-Magenta (nominal)
Color Rendition	CRI Average > 95 TLCI Average > 91
Green-Magenta Adjustment	Continuously adjustable (Full Minusgreen to Full Plusgreen)
Dimming	0 to 100 % continuous
Control	On-Board Controller, 5-Pin DMX In and Through, RJ45 LAN network connectivity, USB-A
Bluetooth Connectivity	DMX Setup, Hour Counter and Standard Control commands
Software Interface	RJ45: DMX In and Through USB-A: Software Upgrade via flash drive
Housing Color	Orange / Silver, Black, White
Ambient Temperature Operation	-20 to +45° C (-4 to +113° F)
Protection Class / IP Rating	III / IP20
Estimated LED Lifetime (L70)	50,000 hours
Estimated Color Shift Over Lifetime (CCT)	+/- 5 %

Power Supply Unit

Power Supply Input Range	110 to 240 V ~, 50/60 Hz
Power Supply Output Range	48 V DC
Power Input Connection	PowerCON TRUE1 (Bare Ends / Schuko / Edison cables available)
Power Output Connection	Female 3-Pin XLR - 10 Amp (Pin 1: Negative / Pin 2: Positive) PowerCON TRUE1 (mains power through)
Weight	ML-APS1: 2.5kg/5.5lbs / ML-APS2: 2.9kg/6.4lbs / ML-APS4: 4.9kg/10.8lbs
Dimensions	348 x 124 x 70 mm / 13.7 x 5.4 x 2.8" (ML-APS1,2) 390 x 176 x 76 mm / 15.3 x 6.9 x 3.0" (ML-APS4)
Control	On-Board On/Off Switch
Mounting	All Light ML-AT2 Quick Release Clamp Adapter / ML-QR1 Rail Mount Adapter

■ Basic Component
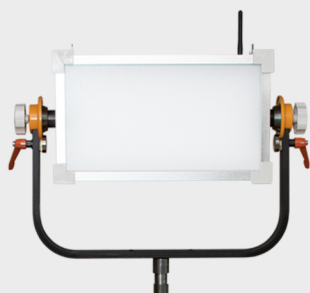
ALL LIGHT 1, ML-APS1, ML-APC1,
ML-APC2, ML-AT2, ML-QR1

ALL LIGHT 1
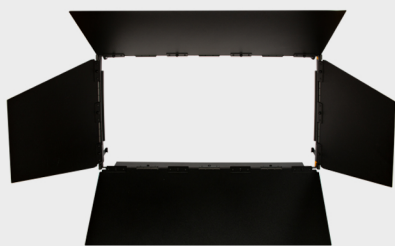

ALL LIGHT 2, ML-APS2, ML-APC1,
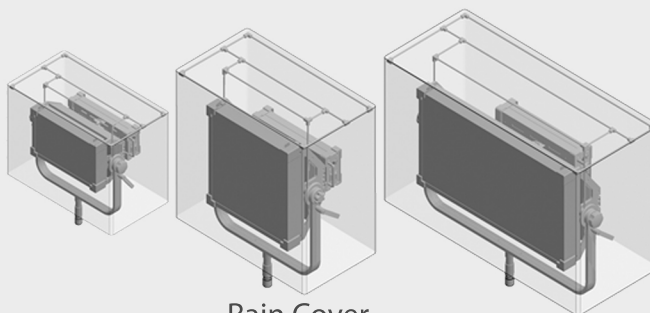ML-APC2, ML-AT2, ML-QR1

ALL LIGHT 2

ALL LIGHT 4, ML-APS4, ML-APC1,
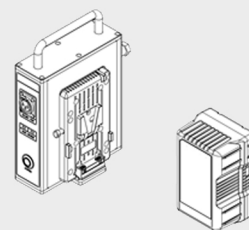ML-APC2, ML-AT2, ML-QR1

ALL LIGHT 4

■ Optional Parts

Barn Door
ML-ABD1, ML-ABD2, ML-ABD4

Rain Cover
ML-ARC1, ML-ARC2, ML-ARC4

DC Power Supply
ML-PB48, ML-BP22A

■ Contact Information

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*The contents of this catalog may be changed without notice to improve the performance of the product.