



Roma WET is a wash moving head equipped with 19x20W RGB + Lime LEDs. It also features a fast zoom range from 8 to 48°. The addition of Lime allows for the creation of saturated colors as well as powerful and calibrated whites with the BC Color System technology. Besides the possibility of independently calibrating colors and whites to perfectly integrate with an existing lighting setup, this system allows for managing colors from a given white, as if the fixture were used with a gel.

With its various DMX modes, **Roma WET** can be controlled in native RGB + Lime mode, X&Y mode within the CIE 1931 color space (where the color calibration IC automatically calculates the required LED channel values to reach a target x,y coordinate), or via RGB + White and CMY emulation modes.

These emulation modes retain the benefits of the Lime LED while maintaining traditional color management workflows.

Roma WET will be your ally for all medium to large-scale performances both indoors and outdoors with its IP65 rating.



Source

Engine	RGB Lime (Osram)
LED Watts	19x20W
Engine CCT	20300K (full RGBL)
Engine Life (L70)	> 55000 H
Refresh Rate	900 Hz to 25 KHz
Dimming	Electronic - 16 bits
Dimming Curves	Linear, Square, Inv Square, S-curve
Dimming Modes	Dim0 (0s), Dim1 (0.25s), Dim2 (0.5s), Dim3 (0.75s), Dim4 (1s)
Strobe Speed	1 - 20 Hz
Strobe Modes	Standard, Pulse, Random

Electrical

Max Consumption	500W
Standby Power Consumption	5W
Voltage Range	110V/240V - 50Hz/60Hz
Power Factor	0.99@110V - 0.98@240V
Current (Max)	4.96A@110V - 1.66A@240V
Fuse	T6.3A@250V
Connector	PowerCON True1 (In/Out)
Battery	ICR14430 3.7V 500mAH 20g
Max Fixtures per Circuits (16A)	3@110V - 6@240V

Compliance & Protection

IP Rating	IP 65
Certification	CE, Rohs

Movement

Pan Range	540° / 630°
Tilt Range	270°
Résolution	8 bits / 16 bits

Optical

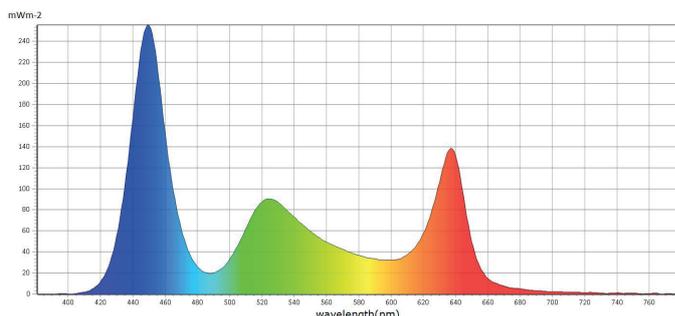
Lens Diameter	202mm
Zoom Range	8° - 51°
Zoom Ratio	6.4 :1

Colour System

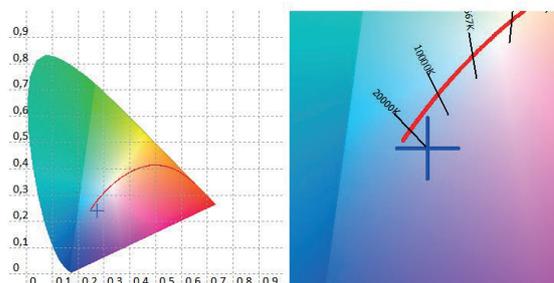
Colour System	RGBL (Native), X&Y, RGBW (emulation), CYM (emulation)
Control	8 bits / 16 bits

Performances

Fixture Luminous Flux (Max)	9700 lm
Fixture Illuminance	Narrow: 15357 lux@5m 8° Medium: 2868 lux@5m 21° Wide: 1275 lux@5m 51°
Fixture CCT Output	1800 - 10000 K
CRI	Native: 64,61 @2700k: 82.32
Tm30	Native: 70.86 @2700k: 82.40
TLCI	Native: 56.25 @2700k: 60.20
CQS	Native: 82.93 @2700k: 84.74

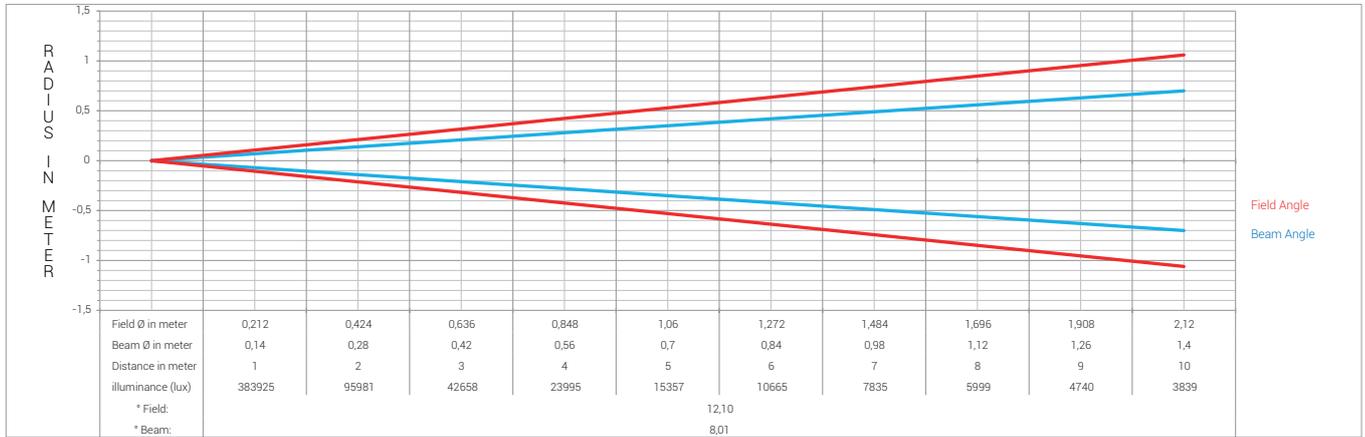


■ CIE1931

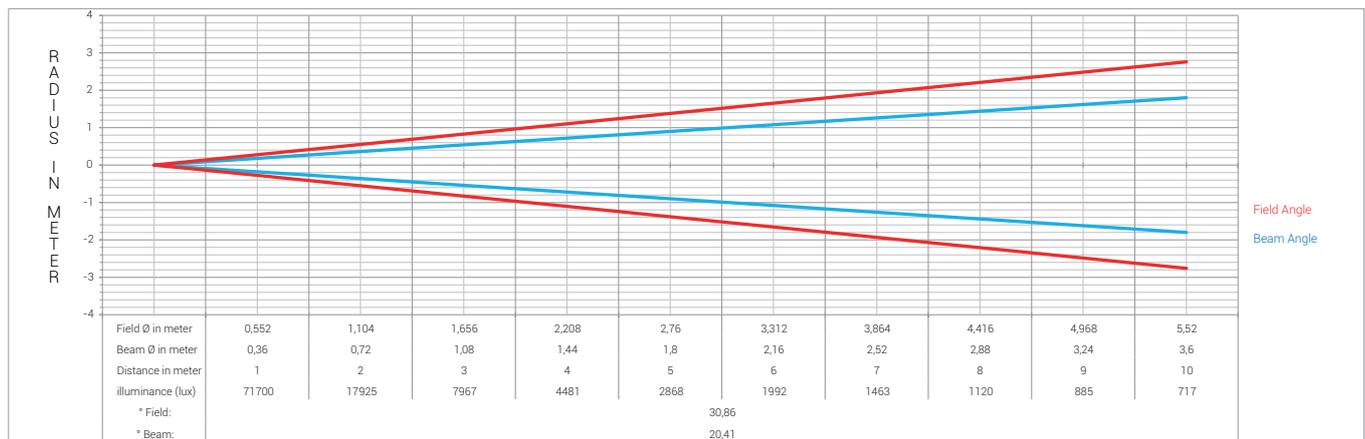


Photometry

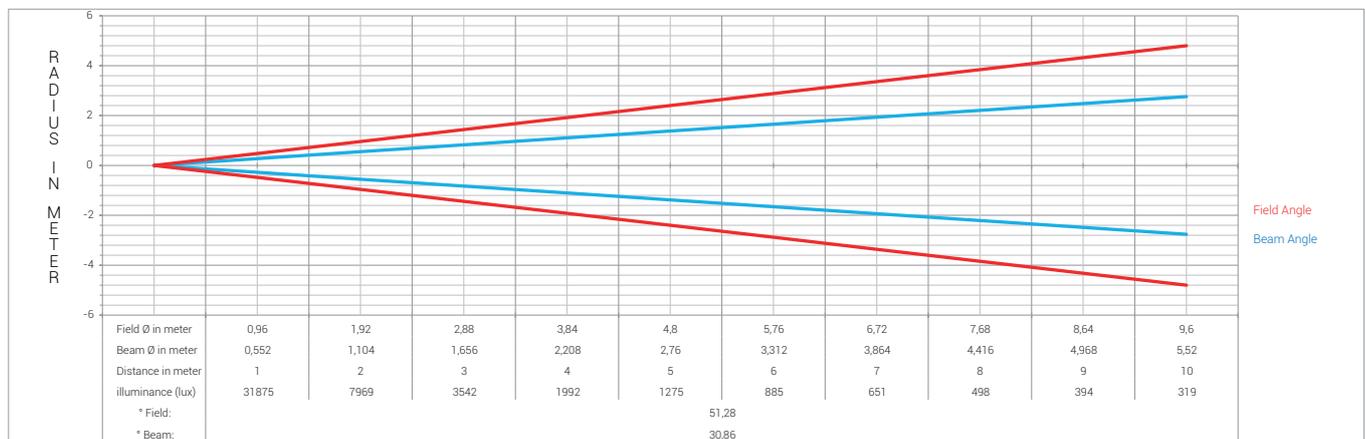
Narrow Angle



Medium Angle



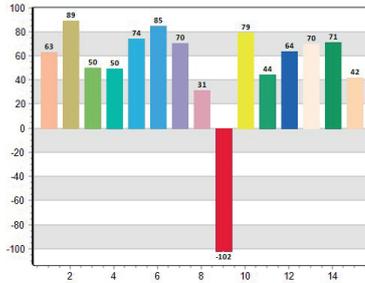
Wide Angle



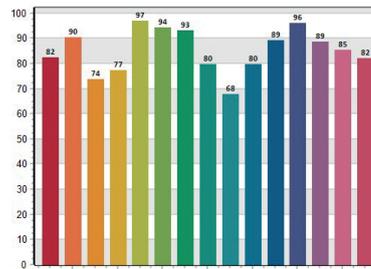
Colorimetry

Native

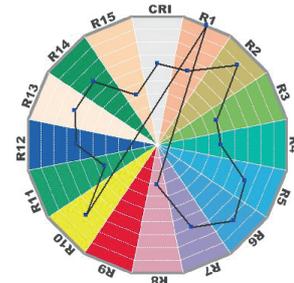
■ CRI: 64,13



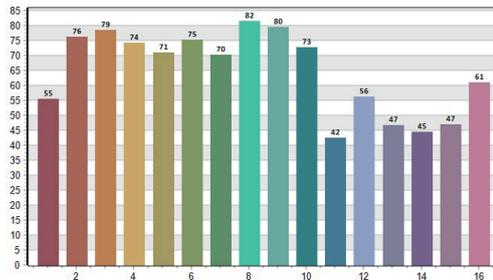
■ CQS: 82,93



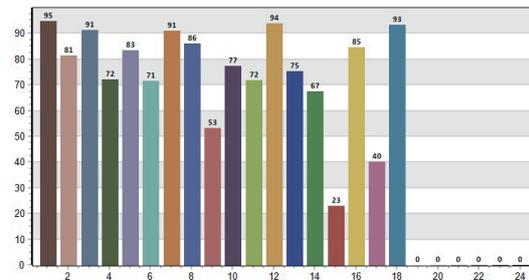
■ CRI-2



■ TM30: 70,86

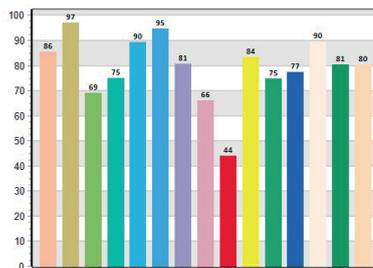


■ TLCI: 56,25

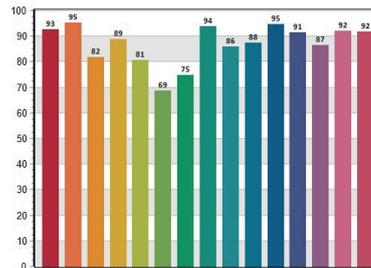


@2700K (Calibrated)

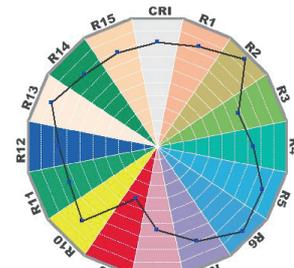
■ CRI: 82,32



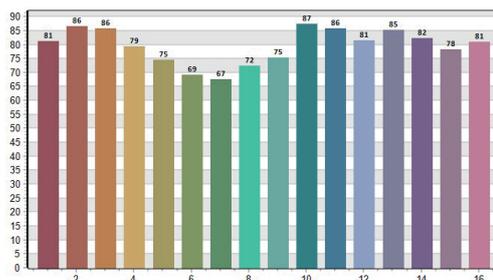
■ CQS: 84,74



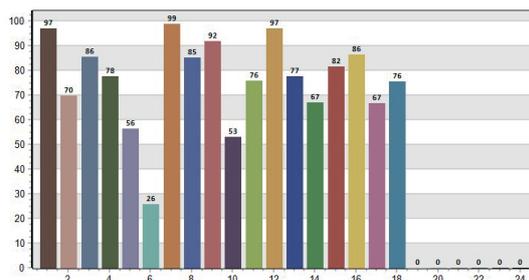
■ CRI-2



■ TM30: 82,40



■ TLCI: 60,20



[Find the complete photometry here :](#)

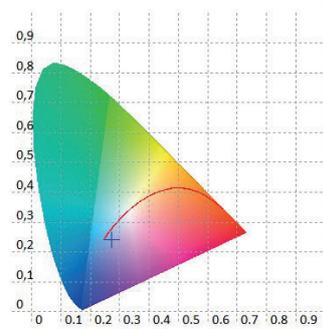


Color & Filters

Red	x: 0.1533 / y: 0.1830
Green	x: 0.2706 / y: 0.0682
Blue	x: 0.4564 / y: 0.5337
Lime	x: 0.4374 / y: 0.4127
Full RGBL	x: 0.6934 / y: 0.3021
10000 K (calibrated macro)	CCT: 3060 K x: 0.1554 / y: 0.7541
5600K (calibrated macro)	CCT: 3060 K x: 0.5658 / y: 0.4326
4000 K (calibrated macro)	CCT: 3060 K x: 0.1521 / y: 0.0383
2700 K (calibrated macro)	CCT: 3060 K x: 0.5987 / y: 0.3965

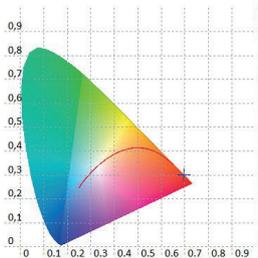
RGBL@ 100%

■ CIE1931



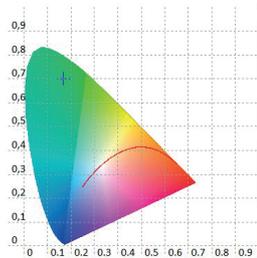
Red @ 100%

■ CIE1931



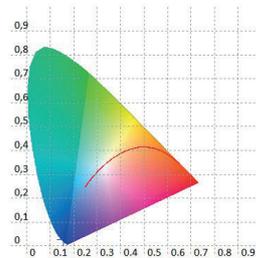
Green @ 100%

■ CIE1931



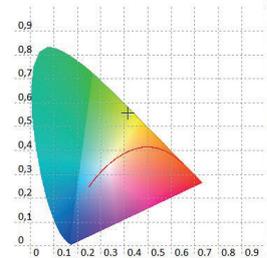
Blue @ 100%

■ CIE1931



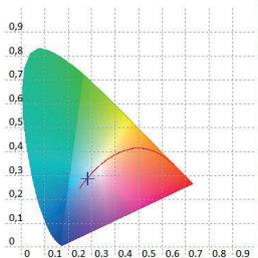
Lime @ 100%

■ CIE1931



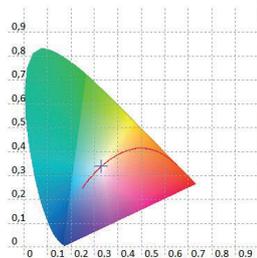
10000 K (calibrated)

■ CIE1931



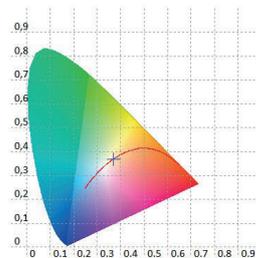
5600 K (calibrated)

■ CIE1931



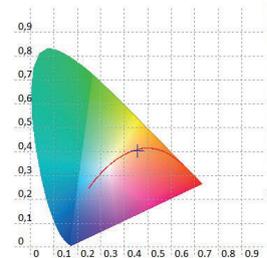
4000 K (calibrated)

■ CIE1931



2700 K (calibrated)

■ CIE1931



Control

DMX Control	DMX (USITT DMX-512-A) RDM (ANSI/ESTA E1.20)
DMX Modes	7 + 3 User Modes
Channel Count	RGBL - 8bit - 17 RGBL - 16bit - 21 CYM - 8bit - 16 CYM - 16bit - 19 RGBW - 8bit - 17 RGBW - 16bit - 21 X&Y (CIE1931) - 16bit - 17
Local Control	Colour LCD panel Navigation buttons
RDM Functions	Yes

Noise Level

Fan Mode Auto	45dB @ 1m
Fan Mode High	53dB @ 1m
Fan Mode Quiet	43dB @ 1m

Connectors

Power	PowerCoN True 1 (In/Out)
DMX	XLR 5 Pin (In/Out)
USB	Upgrade purpose

Thermal

Cooling System	Forced
Cooling Modes	Auto - High - Quiet
Max Ambient Temperature (Ta Max)	45°C
Min Ambient Temperature (Ta Min)	-10°C
Max Surface Temperature, steady state, at Ta 40°	68°C
Total Heat Dissipation (Calculated +/- 10%)	1706 BTU/h - 500W@240V
Heat Dissipation (standby) (Calculated +/- 10%)	17.06 BTU/h - 5W@240V

TECHNICAL DATASHEET

roma wet

Material

Housing Die Cast Aluminium

Physical

Fixture

LxWxH 330mm x 250mm x 395mm

Weight 14.8 Kg

Carton Box

LxWxH 550mm x 480mm x 450mm

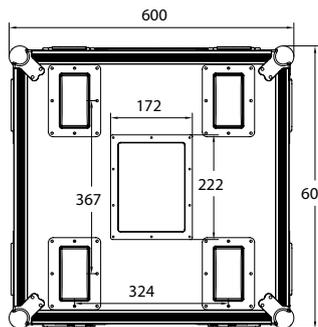
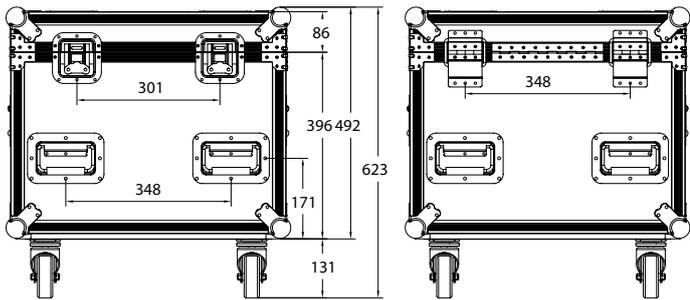
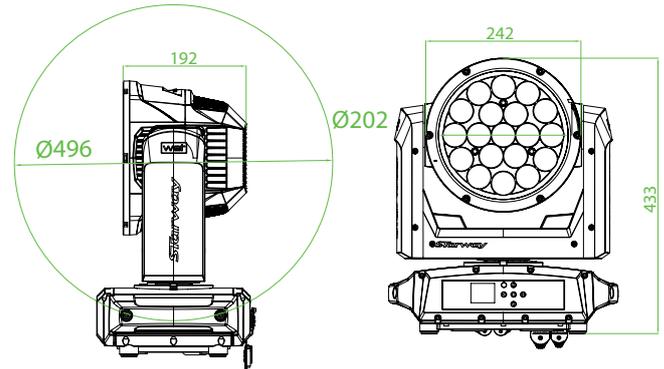
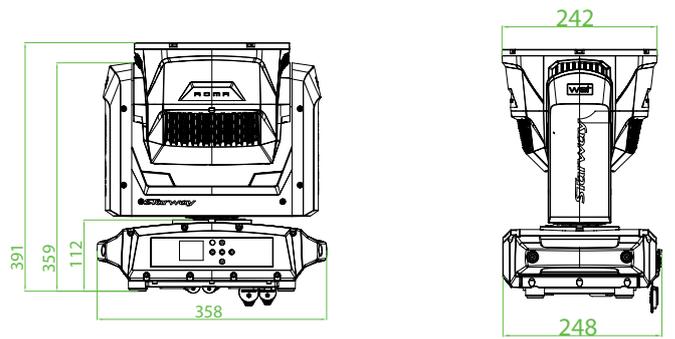
Weight 17 Kg

Flight case of 2 Units

LxWxH 600mm x 600mm x 623mm

Weight (Without Fixture) 30 Kg

Weight (With Fixture & Acc) 60 Kg



Included

Omega Brackets	2
Safety Chain	1
Powercord	1.80m
Quick Start	Yes

Download

[Manual](#)



[DMX Chart](#)



[All Downloads](#)



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