



Martin Quantum Wash

The MAC Quantum Wash features tight beams, beautiful wash fields, a market-leading color palette, and uniform mixing that combines to accommodate the most demanding applications offering brightness and perfection. Combining an impressive 750 watt of RGBW LED power with Martin's market leading optical system ensures that the 1:5 zoom on the MAC Quantum Wash operates with maximum output and superior performance.

- RGBW LED color mixing with unique and expressive Colorganic system for superior default white and deep saturated colours
- 1:5 zoom for tight beams and even washes
- Beam twister effects: Rotating front lens for stunning mid-air and projection effects



Physical

Size of Unit	452 x 431 x 581mm
Item Weight	21kg
Quantity in Case	2
Cased Weight	113kg
Size of Unit Cased	990 x 600 x 920mm

Electrical

Rated Power	1020w
Input Power	100-240v AC 50/60Hz
Power Connection	PowerCON Connector

Mounting Options

Hanging Type	2 x Omega bracket w/trigger clamps
Freestanding	Yes - base
Expo LX	Yes

Optical

Light Source	50 x 15w RGBW LEDs
Beam Angle	11-53°
Colour Temperature	9100k
CRI	75>
Light Output 2m	9448
Light Output 4m	2478
Light Output 6m	1196

Control

Control Method	DMX
DMX Mode	17 / 33ch
DMX Channel List	See attached link for channel breakdown
DMX Connection Types	5pin DMX

Environmental

IP Rating	IP20
Cooling	Forced air (Regulated fans)
Max Operating Temperature	5-40°

Compatibility

- Good beam twisting effect
- Narrow to wide zoom for great coverage
- Built in aura effect for eye candy, good for TV light

Accessories Included

2 x omega brackets
2 x trigger clamps
1 x PowerCON lead

Information Links

Manufacturer Link [Martin Quantum wash](#)

Data Sheet [Photometry Report](#)

Data Sheet [User Guide](#)

Data Sheet [Spec Sheet](#)

Report of Photometry & Chromaticity for Light Source

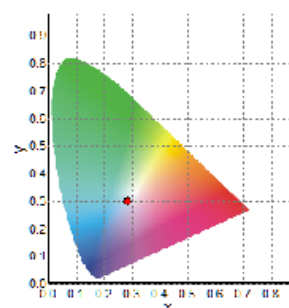


Product Description

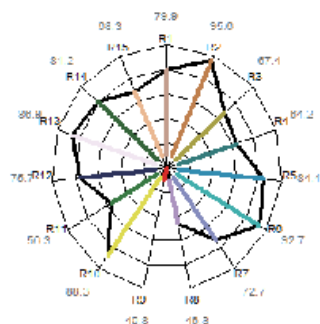
Product Name	Quantum Wash	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 13:16:44	
Manufacturer	Martin	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

CIE_x	0.2850	Duv	0.0021
CIE_y	0.2974	λ_d (nm)	481.4
CIE_u'	0.1900	Purity(%)	19
CIE_v'	0.4462	FWHM(nm)	27
CCT(K)	9112	SP ratio	2.69
Illuminance(lx)	9448	PPFD($\mu\text{mol}/\text{m}^2 \text{ s}$)	169.0
λ_p (nm)	448	CRI(Ra)	75
TLCI(Qa)	58.0	GAI	126.2
GAI BB8	121	GAI BB15	122
TM-30 Rf	78	TM-30 Rg	114



CIE1931 Chromaticity Diagram



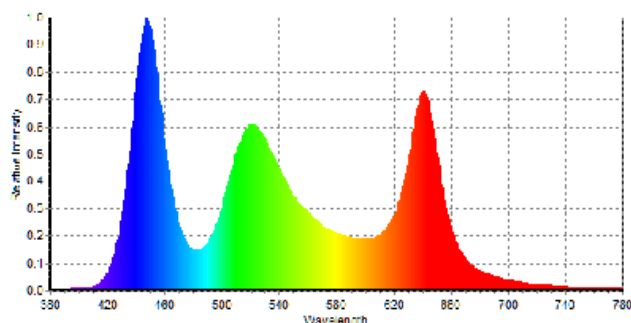
Radar Diagram of CRI

CQS-Qa		87	Re(thru R1~R15)		68
 R1	79.9	 R6	92.7	 R11	56.3
 R2	95.6	 R7	72.7	 R12	75.7
 R3	67.4	 R8	46.3	 R13	86.9
 R4	64.2	 R9	-40.8	 R14	81.2
 R5	84.4	 R10	88.3	 R15	68.3

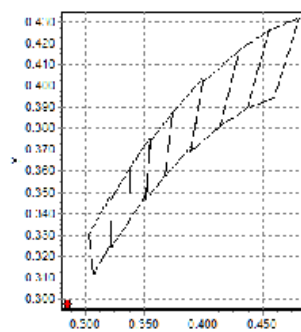
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008