

Martin Axiom 440 Hybrid



The MAC Axiom Hybrid is a true all-in-one product, combining beam and spot into one compact unit that also offers diffused wash functionality. The high-precision optical system offers exceptional contrast, both in mid-air and projection as well as a surprisingly flat field, usually not seen with this short-arc lamp technology. The implementation of the MAC Viper CMY colour palette gives designers the advantage of unlimited choice from subtle pastel shades to deep and saturated colours. All this comes in a small footprint and lightweight product which delivers superior performance in the best feature vs. size and weight ratio available in the market.

- All-in-one product – packed with effects
- Tight and narrow beam - amazing intensity
- MAC Viper colour palette - superior CMY colour mixing
- Position correction system

Physical

Size of Unit	399 x 414 x 630mm
Item Weight	24.8kg
Quantity in Case	1
Cased Weight	64kg
Size of Unit Cased	510 x 495 x 990mm



Electrical

Rated Power	600w
Input Power	100-240v AC 50Hz
Power Connection	PowerCON True 1 Connector

Mounting Options

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

Optical

Light Source	440w short arc discharge
Beam Angle	2-44° continuous
Colour Temperature	6000k
CRI	>80
Light Output 2m	118043
Light Output 4m	27015
Light Output 6m	12042

Control

Control Method	DMX / RDM
DMX Mode	23 channels
DMX Channel List	See attached links
DMX Connection Types	5pin DMX

Environmental

IP Rating	IP20
Cooling	Filtered forced air (temperature-regulated, low noise)
Max Operating Temperature	40°

Compatibility

- Great unit for all aspects; beam, wash, spot
- MAC viper colour wheel
- CMYC colour mixing
- 8 face prism
- Light weight
- Incredibly bright

Accessories Included

2 x trigger clamps / omega brackets
1 x Safety chain
1 x Power cable

GOBO

Not suitable for custom gobos. Please use Martin Quantum profile.
Gobos underneath are gobo wheel 1.
Gobos to the right are gobo wheel 2.

Colour

Fixed colour wheel (MAC Viper colour wheel) and CMY colour mixing

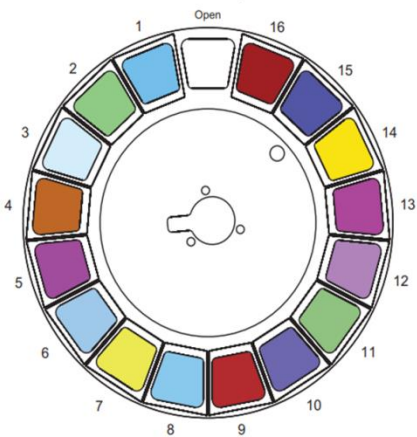
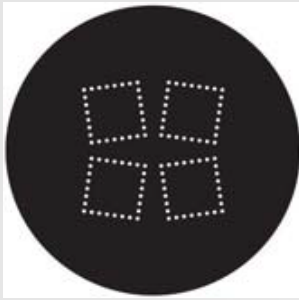
Information Links

Manufacturer Link [Martin Axiom](#)

Data Sheet [Photometry Report](#)

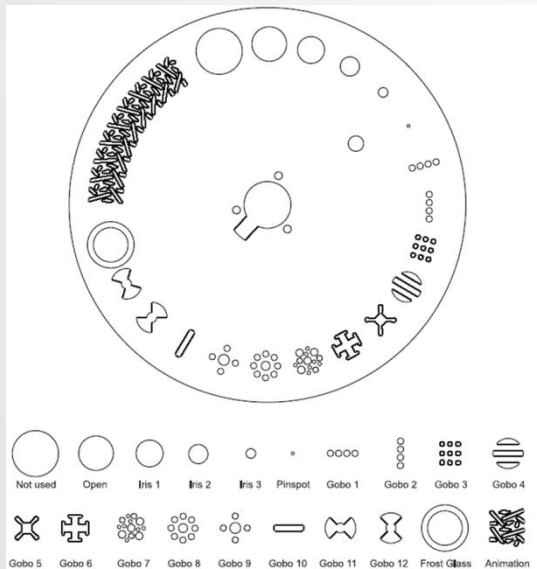
Data Sheet [User Guide](#)

Data Sheet [Spec Sheet](#)



Open
Slot 1 Blue
Slot 2 Light green
Slot 3 Half CTB
Slot 4 Orange
Slot 5 Magenta
Slot 6 Full CTB
Slot 7 Yellow 2
Slot 8 Light blue
Slot 9 Light red
Slot 10 Lavender
Slot 11 Dark green
Slot 12 Purple
Slot 13 Pink
Slot 14 Yellow 1
Slot 15 Blue 101
Slot 16 Red

MAC Axiom Hybrid color filters



Not used
Open
Iris 1
Iris 2
Iris 3
Pinpoint
Gobo 1
Gobo 2
Gobo 3
Gobo 4
Gobo 5
Gobo 6
Gobo 7
Gobo 8
Gobo 9
Gobo 10
Gobo 11
Gobo 12
Frost Glass
Animation

Report of Photometry & Chromaticity for Light Source

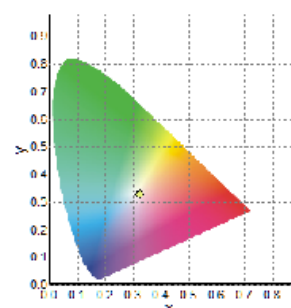


Product Description

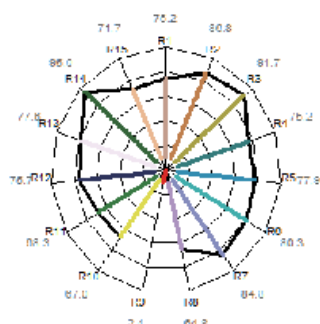
Product Name	Axiom 440 Hybrid
Sample Number	
Date(YYYY/MM/DD)	2020/5/7 13:58:58
Manufacturer	Martin
Tester	
Temperature(°C)	Re. Humidity(%)
Reviewer	

Photometry and Chromaticity

CIE_x	0.3233	Duv	-0.0020
CIE_y	0.3290	λ_d (nm)	486.0
CIE_u'	0.2052	Purity(%)	4
CIE_v'	0.4699	FWHM(nm)	218
CCT(K)	5948	SP ratio	2.12
Illuminance(lx)	118043	PPFD($\mu\text{mol}/\text{m}^2 \text{ s}$)	1879.0
λ_p (nm)	587	CRI(Ra)	80
TLCl(Qa)	55.4	GAI	85.4
GAI BB8	90	GAI BB15	92
TM-30 Rf	79	TM-30 Rg	93



CIE1931 Chromaticity Diagram



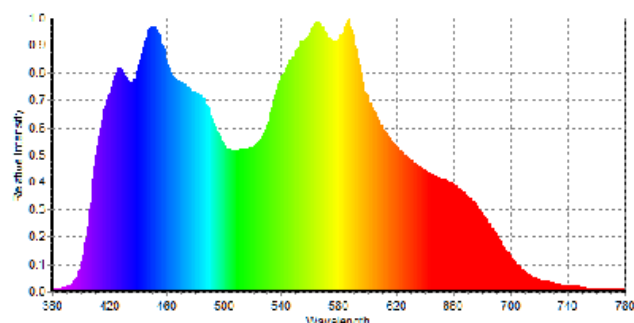
Radar Diagram of CRI

CQS-Qa		76	Re(thru R1~R15)		73
 R1	75.2	 R6	80.3	 R11	68.3
 R2	86.8	 R7	84.8	 R12	75.7
 R3	91.7	 R8	64.8	 R13	77.6
 R4	75.2	 R9	-2.4	 R14	95.0
 R5	77.9	 R10	67.0	 R15	71.7

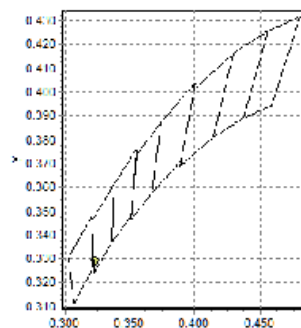
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008