



Martin Quantum Profile

This extremely bright LED profile fixture combines top-quality white light with a fast, smooth CMY color mixing system and crisp gobo projection on surfaces as well as mid-air.

With all this and the new Animotion FX system that allows never-before seen beam animations, the market is now finally seeing the first real 700/800 W discharge lamp replacement in a profile fixture that effectively harnesses cutting-edge LED technology.

- First real alternative to a 700/800 watt HID fixture
- Flat field, crisp image, high contrast
- Full feature set including CMY color mixing and 1:3 zoom



Physical

Size of Unit	452 x 431 x 650mm
Item Weight	23.2kg
Quantity in Case	2
Cased Weight	118kg
Size of Unit Cased	990 x 600 x 920mm

Electrical

Rated Power	750w
Input Power	100-240v AC 50/60Hz
Power Connection	PowerCON Connector

Mounting Options

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

Optical

Light Source	475w LED Engine
Beam Angle	12-36°
Colour Temperature	6000k
CRI	72
Light Output 2m	16296
Light Output 4m	4225
Light Output 6m	1960

Control

Control Method	DMX
DMX Mode	Basic extended
DMX Channel List	19 / 27ch
DMX Connection Types	5pin DMX

Environmental

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

Compatibility

Bright LED fitting, good gobo selection. If having custom gobos made this is ideal unit for them.

Good colour mixing and saturation.

Accessories Included

- 2 x omega clamps w/trigger clamps
- 1 x Safety chain
- 1 x PowerCON lead

GOBO

Perfect fitting for custom gobos to be installed

Colour

Fixed colour wheel and full CMY colour mixing

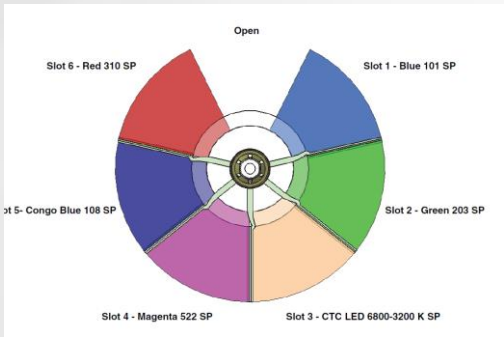
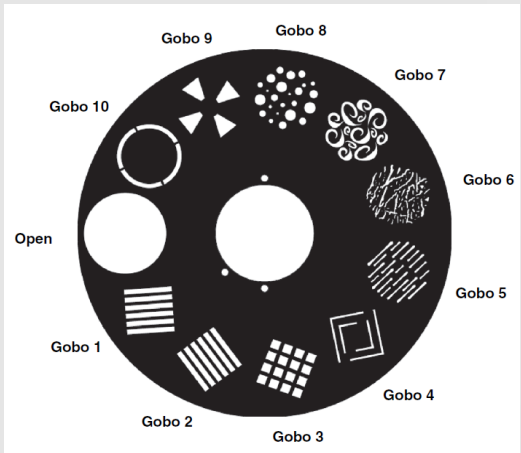
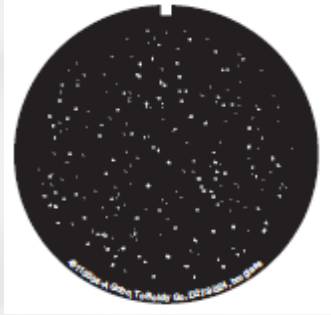
Information Links

Manufacturer Link [Martin Quantum Profile](#)

Data Sheet [Photometry Report](#)

Data Sheet [User Guide](#)

Data Sheet [Spec Sheet](#)

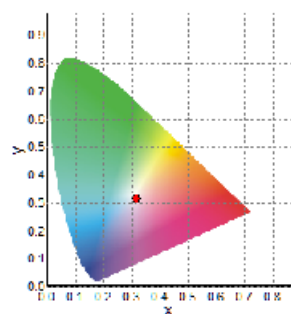


Report of Photometry & Chromaticity for Light Source

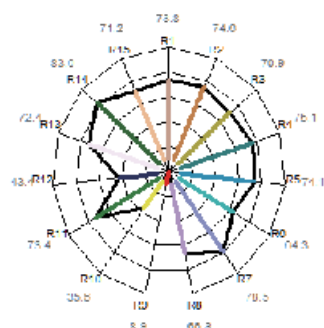


Product Description

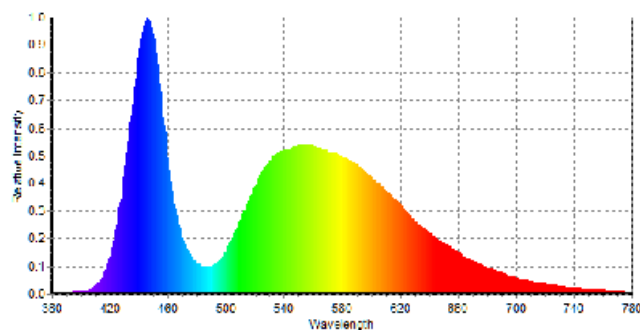
Product Name	Quantum Profile	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 13:25:36	
Manufacturer	Martin	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		



CIE1931 Chromaticity Diagram



Radial Diagram of CRI



Spectral Distribution

Photometry and Chromaticity

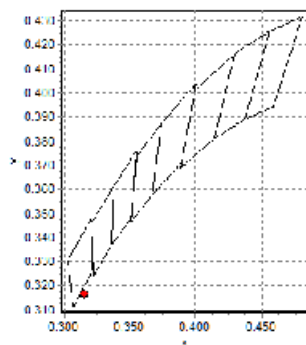
CIE_x	0.3159	Duv	-0.0051
CIE_y	0.3165	λ_d (nm)	477.5
CIE_u'	0.2050	Purity(%)	7
CIE_v'	0.4619	FWHM(nm)	29
CCT(K)	6418	SP ratio	1.95
Illuminance(lx)	16296	PPFD($\mu\text{mol}/\text{m}^2 \text{s}$)	239.7
λ_p (nm)	446	CRI(Ra)	72
TLCI(Qa)	45.9	GAI	92.1
GAI BB8	95	GAI BB15	98
TM-30 Rf	66	TM-30 Rg	97

CQS-Qa		68	Re(thru R1~R15)		63
 R1	73.8	 R6	64.3	 R11	73.4
 R2	74.6	 R7	78.5	 R12	43.4
 R3	70.9	 R8	66.3	 R13	72.4
 R4	75.1	 R9	-8.9	 R14	83.0
 R5	74.1	 R10	35.6	 R15	71.2

Flicker Frequency(Hz)

Flicker %

Flicker Index



C78.377-2008