



**Chroma-Q®**  
BRILLIANT SOLUTIONS

**Specification Sheet - Version: 1.5**  
**Chroma-Q® Color Force™ 12**  
**RGBA Multi-Purpose LED Fixture**  
**Part No: CHCF12NFRGBA**

**DESCRIPTION**

The fixture shall provide a very powerful 2,400 hot lumens output for washing areas up to 8m / 26ft high.  
The fixture shall be suitable for a wide range of entertainment lighting disciplines, including uplighting, pipe-end, shin-busting, backlighting and wash applications.  
The fixture shall be suitable for floor, wall or truss mounting.  
The fixture shall provide RGBA colour mixing.  
The fixture shall provide a high CRI of 92.  
The fixture shall provide a smooth, linear dimming curve.  
The fixture shall offer a choice of HSI, Fx HSI, RGB (\*\*Magic Amber™), RGBA, RGBI (Magic Amber), St RGBI (Magic Amber) and St RGBA control modes.  
The fixture shall feature a built-in stand-alone mode with real-time triggering.  
The fixture shall feature a built-in power supply.  
The fixture shall be manufactured from extruded material.

\*\*Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that require it.  
\*Measurements may have been rounded, please see specification sheet for full measurements.

**FEATURES**

- Suitable for a wide range of entertainment lighting disciplines.
- Floor, wall or truss mountable.
- 2,400 hot lumens output easily washes 8m / 26 foot.
- Extremely smooth, uniform wash.
- RGBA colour mixing.
- Radically increased colour palette.
- High CRI of 92.
- Theatrical grade dimming.
- Rugged extruded aluminium body.
- Built-in power supply.
- Hidden fixing and cable management for seamless wall washing and fast deployment.
- Perfect for theatre, TV, concert touring, exhibitions and corporate events.
- Optional 'Cyc' and 'Border' lens media accessories available.
- Optional Barn Door, Top Hat and Half Top Hat accessories available.

**ORDERING INFORMATION**

CHCF12NFRGBA: Chroma-Q Color Force 12 RGBA body finished in black

**ACCESSORIES**

- CHCFBL12: Chroma-Q Border lens for Color Force 12
- CHCFCL12: Chroma-Q Cyc lens for Color Force 12
- CHCFECL12: Chroma-Q Egg Crate Louver for Color Force 12
- CHCFH12: Chroma-Q Half Top Hat for Color Force 12
- CHCFBD12: Chroma-Q Barn Door for Color Force 12
- CHCFTH12: Chroma-Q Top Hat for Color Force 12

**OVERALL SPECIFICATIONS**

Net dimensions: Width: 335mm / 13.2"  
Height: 190mm / 7.5"  
Depth: 218mm / 8.6"

Net weight: 4kg / 9lb  
Shipping dimensions: Width: 432mm / 17"  
Height: 343mm / 13.5"  
Depth: 279mm / 11"  
Shipping weight: 6kg / 13lb  
Power supply: Built-in  
Power input rating: 100-240V AC, 50-60 Hz, 160VA  
Power factor: 0.997  
Power consumption: 120W  
Typical power & current: Measurements done with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.  
Power connectors in/out: PowerCon  
Data connectors in/out: XLR 5-pin  
Max cable run: NA  
Control protocol: ANSI E1.11 USITT DMX 512-A  
Cooling system: Forced - 1 fan  
Operating temperature: 0°C to 40°C  
Construction: Anodised aluminium extrusion  
Colour: Black  
LED engines: 2  
LEDs per engine: 24 (6 x RGBA)  
Total LEDs: 48  
Control modes: 7 channels Fx HSI  
6 channels HSI Duo  
6 channels RGB (Magic Amber) Duo  
8 channels RGBA Duo  
9 channels St RGBI (Magic Amber) Duo  
5 channels St RGBA  
3 channels HSI  
3 channels RGB (Magic Amber)  
4 channels RGBA  
4 channels RGBI (Magic Amber)  
1 channel Look Select  
Master Standalone  
Slave Standalone  
Theatrical

Dimming curve: Theatrical  
Variable effects engine: Yes  
Effects parameters: Colour speed, colour range, colour step, and intensity effects

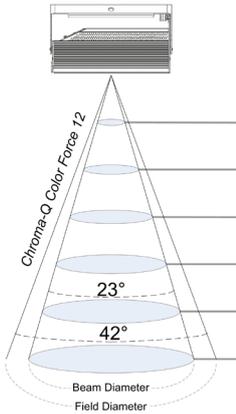
Hot lumen output: White 2,400 lumen  
CRI: 92  
Optics: Specialised close focus lens  
Beam angle: 23° (approx.)  
With optional Cyc lens: 80 x 30° (approx.)  
With optional Border lens: 60° (approx.)  
Beam dispersion: Asymmetrical direct illumination  
CCT: Adjustable 1,000 – 10,000K  
Colour Gamut: Performance enhanced  
Lamp life: L70 up to 50,000 hours  
IP rating: IP20  
Built-in hardware: Quick release lever for tilt adjustment  
Approvals: CISPR 22 :2006/EN55022 :2006 & CISPR 24 :1997/EN55024 :1998, ICES-003 :2004 & FCC Part 15 Subpart B: 2007, CSA C22. No. 166-M1983:R2008 UL 1573:2003; UL 8750



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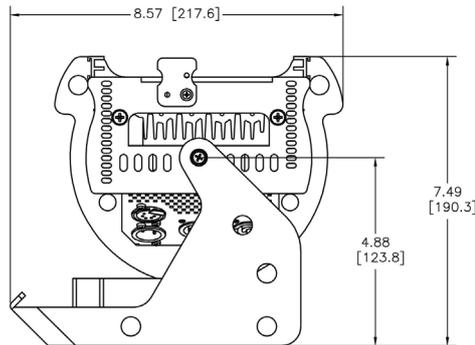
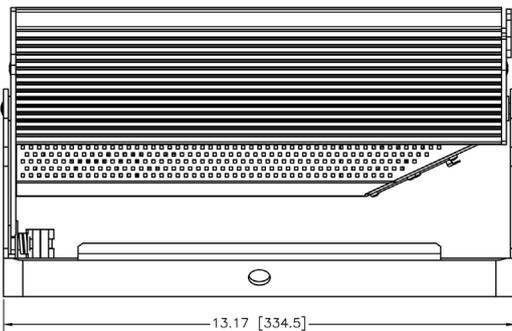
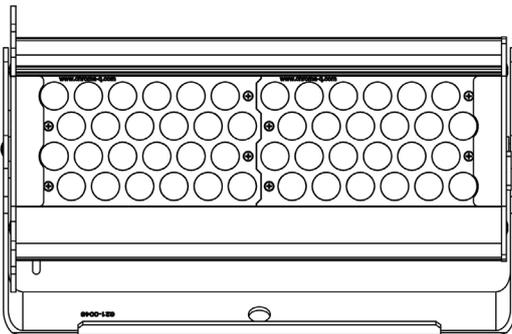
**PHOTOMETRICS**



Throw Distance		Beam Spread		Field Spread		Full On	
M	FT	M	FT	M	FT	LUX*	FC*
1	3.28	0.3	0.98	0.8	2.62	18,571	1,725.30
2	6.56	0.7	2.30	1.6	5.25	4,643	431.33
3	9.84	1.0	3.28	2.3	7.55	2,063	191.70
4	13.12	1.3	4.27	3.1	10.17	1,161	107.83
5	16.40	1.7	5.58	3.9	12.80	743	69.01
6	19.69	2.0	6.56	4.7	15.42	516	47.93

\* measured at centre of beam

**DIMENSIONS**



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