Chroma-Q™ Color Force™12
RGBA Multi-Purpose LED Fixture

Part No:
CHCF12NFRGBA

S P E C I F I C A T I O N   S H E E T

V 1.1

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.
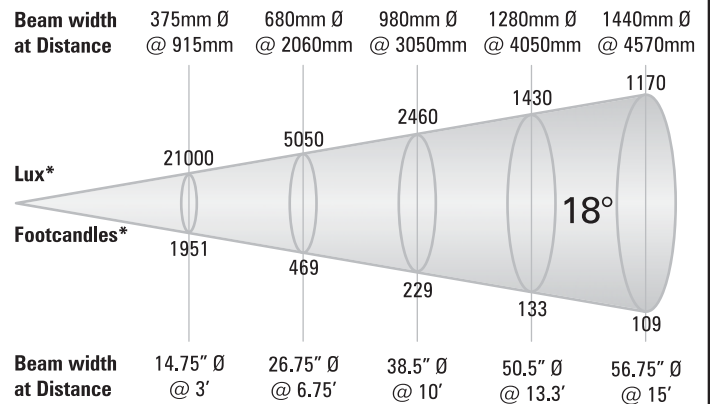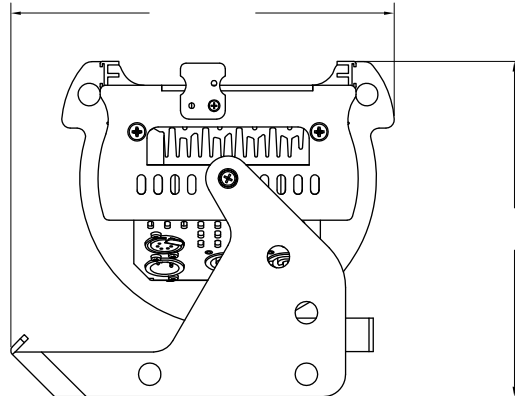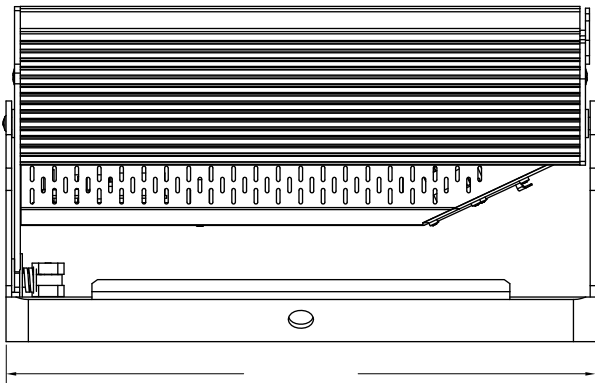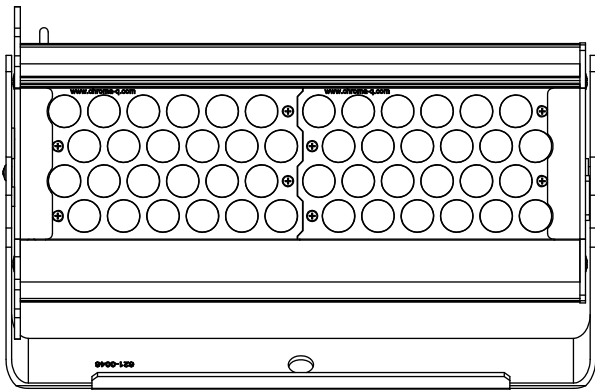
FEATURES

- 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.

OVERALL SPECIFICATIONS

Net dimensions:	Width: 335mm / 13"
	Height: 190mm / 5"
	Depth: 218mm / 9"
Net weight:	4kg / 9lb
Shipping dimensions:	Width: 432mm / 17"
	Height: 343mm / 13.5"
	Depth: 279mm / 11"
Shipping weight:	6kg / 13lb
Power input rating:	100-240V AC, 50-60Hz, 120W
Power connector in/out:	PowerCon
Data connectors in/out:	XLR 5-pin
Control protocol:	ANSI E1.1 DMX-512A
Cooling system:	Forced - 1 fan
Construction:	Anodised aluminium extrusion
Colour:	Black
LED cells:	2

OVERALL SPECIFICATIONS cont.

LEDs per cell:	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
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

Beam width at Distance	375mm Ø @ 915mm	680mm Ø @ 2060mm	980mm Ø @ 3050mm	1280mm Ø @ 4050mm	1440mm Ø @ 4570mm

Lux*: 21000, 5050, 2460, 1430, 1170

Footcandles*: 1951, 469, 229, 133, 109

18°

Beam width at Distance	14.75" Ø @ 3'	26.75" Ø @ 6.75'	38.5" Ø @ 10'	50.5" Ø @ 13.3'	56.75" Ø @ 15'

* measured at centre of beam

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 dispertion:	Symmetrical 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:	
CE	Pending for CISPR 22/EN55022 & CISPR 24/EN55024
Electrical	Pending for CSA C22, UL1573, UL8750

* Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that equire it.

CE

ORDERING INFORMATION

Model	Part No
Chroma-Q Color Force 12	CHCF12NFRGBA
RGBA body finished in black	

ACCESSORIES

Model	Part No
Chroma-Q Border lens for Color Force 12	CHCFBL12
Chroma-Q Cyc lens for Color Force 12	CHCFCL12
Chroma-Q Egg Crate Louver for Color Force 12	CHCFECL12
Chroma-Q Half Top Hat for Color Force 12	CHCFHTH12
Chroma-Q Barn Door for Color Force 12	CHCFBD12
Chroma-Q Top Hat for Color Force 12	CHCFTH12

Dimensions

* Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that equire it.

CE