Chroma-Q®
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.0
Chroma-Q® Studio Force II™ 48
Part No: CHSF2V48

DESCRIPTION

Using a homogenised LED source capable of delivering variable colour temperature, plus/minus green shift control and the ability to produce deep saturated colours when needed, the Studio Force II is specifically designed for TV Broadcast and film applications but also performs particularly well in other situations demanding high quality tuneable white light such as touring key lights, exhibitions, corporate events and theatre lighting.

The Studio Force II uses the same ColorSure™ technologies found in other innovative Chroma-Q fixtures to deliver consistent colour across fixtures.

With an extreme output of up to 24,000 lumens, the Studio Force II™ 48 battens evenly wash large areas, complemented by smooth, theatrical grade dimming.

FEATURES

- Full spectrum tuneable white light engine
- High intensity homogenized output
- Extremely smooth uniform wash
- 2,800K - 6,500 K CCT Variable white
- Variable mired shift (green shift)
- Extreme output - 24,000 lumens
- Superb smooth dimming
- Ideal for TV Broadcast and film
- PowerCON TRUE1 input and output for easy daisy chaining of fixtures
- Hidden quick release lever for tilt adjustment

ORDERING INFORMATION

CHSF2V48 - CHROMA-Q STUDIO FORCE II V48
CHSF2V48W - CHORMA-Q STUDIO FORCE II V48 WHITE BODY
CHSF2V48LR - CHROMA-Q STUDIO FORCE II V48 w LumenRadio Installed

ACCESSORIES

CHCFBL48 - Border Lens for Studio Force II 48
CHCFCL48 - Cyc Lens for Studio Force II 48

OVERALL SPECIFICATIONS

Net Dimensions (without fixings):	Length: 1,181mm / 46.5” Width: 165mm / 6.5” Height: 191mm / 7.5”
Net Weight:	18 Kg / 40 lb
Shipping Dimensions:	Length: 1,295mm / 51” Width: 305mm / 12” Height: 320mm / 12.5”
Shipping Weight:	21 Kg / 46 lb

OVERALL SPECIFICATIONS Cont..

Power Supply:	Built-in
Power Input Rating:	100-240V AC 50-60Hz 550VA
Power Factor:	0.97 @ 120V AC, 0.92 @ 240V AC
Power Consumption:	550W @ 120V AC, 550W @ 240V AC
Idle Power Consumption:	27W @ 120V, AC 30W @ 240V AC
Typical Power & Current:	Measurements done with all LEDs at maximum intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%
Power Connectors In/Out:	Neutrik powerCON TRUE1
Data Connectors In/Out:	Neutrik XLR 5-pin
Max Fixtures in Series:	3 x fixtures @110V, 6 x Fixtures @240V
Control Protocol:	ANSI E1.11 USITT DMX 512-A
Cooling System:	Combined convection and forced air - 2 fan
Operating Temperature:	0°C to 40°C
Construction:	Anodised aluminium extrusion
Colour:	Black / White
Built-In Hardware:	Quick release lever for tilt adjustment
IP Rating:	IP20
Control Modes:	RGBW, RGB, KHi, HSi, Cine-Q. Grouping x1, X4, Odd/Even
Dimming Curve:	Linear
Hot Lumen Output (Combined):	24,000 lm
Optics:	Fully homogenised lenses
Beam Angle:	22° (approx.)
Beam Distribution:	Symmetrical direct illumination
CCT:	Adjustable 2800 - 6500K
Colour Gamut:	Performance enhanced
CRI:	92 @ 3200K 94 @ 4400K 94 @ 5600K
TM-30 Rf (Fidelity Index)	92 @ 3200K 94 @ 4400K 90 @ 5600K
LED Life:	L70 at 50,000 hours
Approvals:	CISPR 32:2015 /EN 55032:2015, CISPR 24:2010/EN 55024:2010, IEC 60598-2-17:1984 + A1:1987+A2:1990 used in conjunction with IEC 60598-1: 2008 (Seventh Edition) FCC Part 15 Subpart B:2015 & ICES-003:2016 CSA C22.2 No. 166:2015-06 UL 1573:2003 R:2014-01

Patents pending

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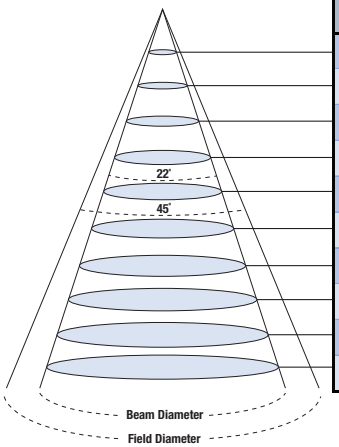
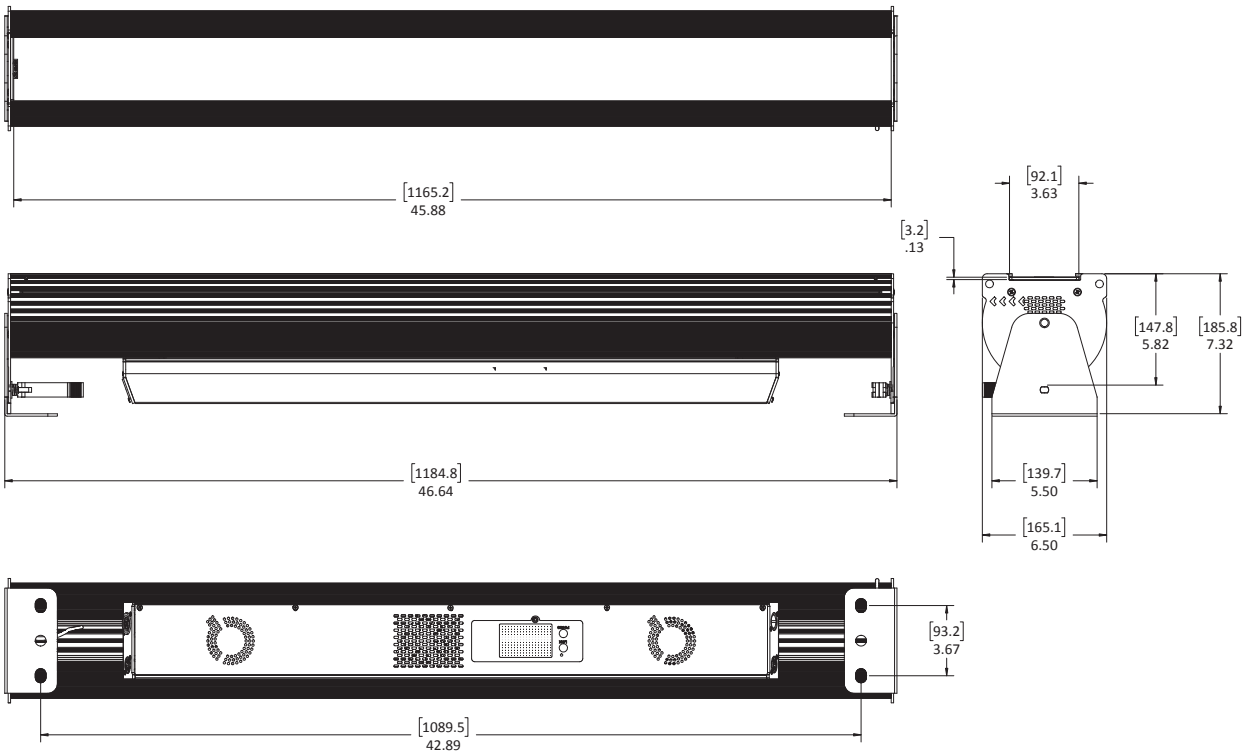
PHOTOMETRICS

Fixture Model	Field	Beam	Candelas	Lumens	Watts
Studio Force II V48 (4400K)	45°	22°	103000 Cd	24000 lm	550 w



Throw Distance		Field Spread		Beam Spread		Full On	
M	FT	M	FT	M	FT	LUX	FC
1	3.3	0.8	2.7	0.4	1.3	103000	9569.0
2	6.6	1.7	5.4	0.8	2.6	25750	2392.3
3	9.8	2.5	8.2	1.2	3.8	11444	1063.2
4	13.1	3.3	10.9	1.6	5.1	6438	598.1
5	16.4	4.1	13.6	1.9	6.4	4120	382.8
6	19.7	5.0	16.3	2.3	7.7	2861	265.8
7	23.0	5.8	19.0	2.7	8.9	2102	195.3
8	26.2	6.6	21.7	3.1	10.2	1609	149.5
9	29.5	7.5	24.5	3.5	11.5	1272	118.1
10	32.8	8.3	27.2	3.9	12.8	1030	95.7

DIMENSIONS



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Patents pending