



Chroma-Q®
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.1
Chroma-Q® Studio Force II Plus™ V48
Part No: CQ1641-4000

DESCRIPTION

Brighter than ever, The Studio Force II Plus™ is 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 Plus™ 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 Plus™ uses the same ColorSure™ technologies found in other innovative Chroma-Q® fixtures to deliver consistent colour across same model fixtures.

FEATURES

- Full spectrum tuneable white light engine
- High intensity homogenized output
- Extremely smooth uniform wash
- 2,800K - 6,500 K CCT Variable white
- Variable tint +/-2 (green shift)
- Extreme output - 28,800 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

- CQ1641-4000: Chroma-Q Studio Force II Plus 48, black
- CQ1641-4100: Chroma-Q Studio Force II Plus 48, white
- CQ1641-4500: Chroma-Q Studio Force II Plus 48, w/LumenRadio, black
- CQ1641-4600: Chroma-Q Studio Force II Plus 48, w/LumenRadio, white

ACCESSORIES

- CHCFBL48 Chroma-Q border lens for Studio Force II Plus 48
- CHCFCL48 Chroma-Q cyc lens for Studio Force II Plus 48
- CHCFTL48 Chroma-Q clear lens Studio Force II Plus 48
- CQ641-9003 Chroma-Q Hang Force black for Studio Force II Plus 48
- CQ641-9004 Chroma-Q Hang Force white for Studio Force II Plus 48
- CQ641-9020 Chroma-Q Light Guard Studio Force II Plus 48, black
- CQ641-9021 Chroma-Q Light Guard Studio Force II Plus 48, white

OVERALL SPECIFICATIONS

Net Dimensions (without fixings):	Length: 1,181mm / 46.5" Width: 165mm / 6.5" Height: 191mm / 7.5"
Net Weight:	18kg / 40lb
Shipping Dimensions:	Length: 1,295mm / 51" Width: 305mm / 12" Height: 320mm / 12.5"
Shipping Weight:	21kg / 46lb
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):	28,800 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



PHOTOMETRIC DATA



Chroma-Q®

Fixture model

Studio Force II Plus V48 (5600K)

Field: 45°

Beam: 20°

Magnification (mf): 0.35 x

Candelas: 120960 Cd

Lumens: 28830 lm

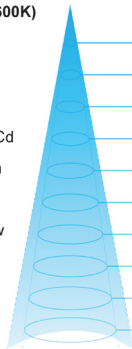
Watts: 539 w

Lumen/w: 53.5 lm/w

CRI Ra: 95

TM-30 Rf / Rg: 91 / 103

Duv: -0.0003



Fixture photometric table

Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	0.8 m	2.7 ft	0.4 m	1.2 ft	120960 lx	11238 fc
1.53 m	5.0 ft	1.3 m	4.2 ft	0.5 m	1.8 ft	51672 lx	4801 fc
3.05 m	10.0 ft	2.5 m	8.3 ft	1.1 m	3.5 ft	13003 lx	1208 fc
3.95 m	13.0 ft	3.3 m	10.7 ft	1.4 m	4.6 ft	7753 lx	720 fc
4.56 m	15.0 ft	3.8 m	12.4 ft	1.6 m	5.3 ft	5817 lx	540 fc
6.10 m	20.0 ft	5.1 m	16.6 ft	2.2 m	7.1 ft	3251 lx	302 fc
6.85 m	22.5 ft	5.7 m	18.6 ft	2.4 m	7.9 ft	2578 lx	239 fc
7.63 m	25.0 ft	6.3 m	20.7 ft	2.7 m	8.8 ft	2078 lx	193 fc
9.15 m	30.0 ft	7.6 m	24.9 ft	3.2 m	10.6 ft	1445 lx	134 fc
10.07 m	33.0 ft	8.3 m	27.4 ft	3.6 m	11.7 ft	1193 lx	111 fc



Chroma-Q®

Fixture model

Studio Force II Plus V48 (5600K) BorderLens

Field: 80°

Beam: 32°

Magnification (mf): 0.57 x

Candelas: 44070 Cd

Lumens: 24640 lm

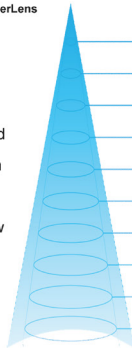
Watts: 539 w

Lumen/w: 45.7 lm/w

CRI Ra: 95

TM-30 Rf / Rg: 91 / 103

Duv: -0.0003



Fixture photometric table

Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	1.7 m	5.5 ft	0.6 m	1.9 ft	44070 lx	4094 fc
1.53 m	5.0 ft	2.6 m	8.4 ft	0.9 m	2.9 ft	18826 lx	1749 fc
3.05 m	10.0 ft	5.1 m	16.8 ft	1.7 m	5.7 ft	4737 lx	440 fc
3.95 m	13.0 ft	6.6 m	21.7 ft	2.3 m	7.4 ft	2825 lx	262 fc
4.56 m	15.0 ft	7.7 m	25.1 ft	2.6 m	8.6 ft	2119 lx	197 fc
6.10 m	20.0 ft	10.2 m	33.6 ft	3.5 m	11.5 ft	1184 lx	110 fc
6.85 m	22.5 ft	11.5 m	37.7 ft	3.9 m	12.9 ft	939 lx	87 fc
7.63 m	25.0 ft	12.8 m	42.0 ft	4.4 m	14.4 ft	757 lx	70 fc
9.15 m	30.0 ft	15.4 m	50.4 ft	5.2 m	17.2 ft	526 lx	49 fc
10.07 m	33.0 ft	16.9 m	55.4 ft	5.8 m	18.9 ft	435 lx	40 fc



Chroma-Q®

Fixture model

Studio Force II Plus V48 (5600K) CycLens

Field: 100°

Beam: 62°

Magnification (mf): 1.20 x

Candelas: 40770 Cd

Lumens: 23950 lm

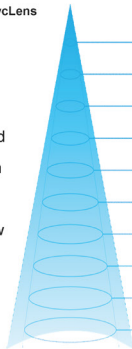
Watts: 539 w

Lumen/w: 44.4 lm/w

CRI Ra: 95

TM-30 Rf / Rg: 91 / 103

Duv: -0.0003



Fixture photometric table

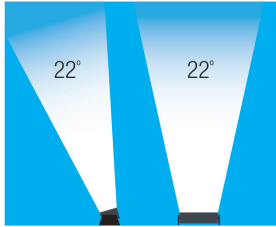
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	2.4 m	7.8 ft	1.2 m	3.9 ft	40770 lx	3788 fc
1.53 m	5.0 ft	3.6 m	12.0 ft	1.8 m	6.0 ft	17416 lx	1618 fc
3.05 m	10.0 ft	7.3 m	23.9 ft	3.7 m	12.0 ft	4383 lx	407 fc
3.95 m	13.0 ft	9.4 m	30.9 ft	4.7 m	15.6 ft	2613 lx	243 fc
4.56 m	15.0 ft	10.9 m	35.7 ft	5.5 m	18.0 ft	1961 lx	182 fc
6.10 m	20.0 ft	14.5 m	47.7 ft	7.3 m	24.1 ft	1096 lx	102 fc
6.85 m	22.5 ft	16.3 m	53.6 ft	8.2 m	27.0 ft	869 lx	81 fc
7.63 m	25.0 ft	18.2 m	59.7 ft	9.2 m	30.1 ft	700 lx	65 fc
9.15 m	30.0 ft	21.8 m	71.6 ft	11.0 m	36.1 ft	487 lx	45 fc
10.07 m	33.0 ft	24.0 m	78.7 ft	12.1 m	39.7 ft	402 lx	37 fc



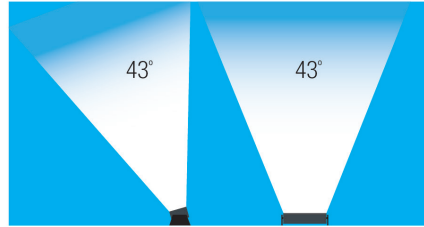
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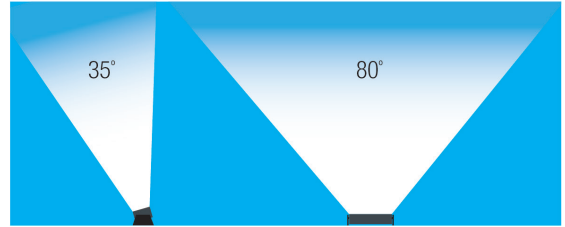
BEAM ANGLES



STANDARD 22° X 22° (approx)

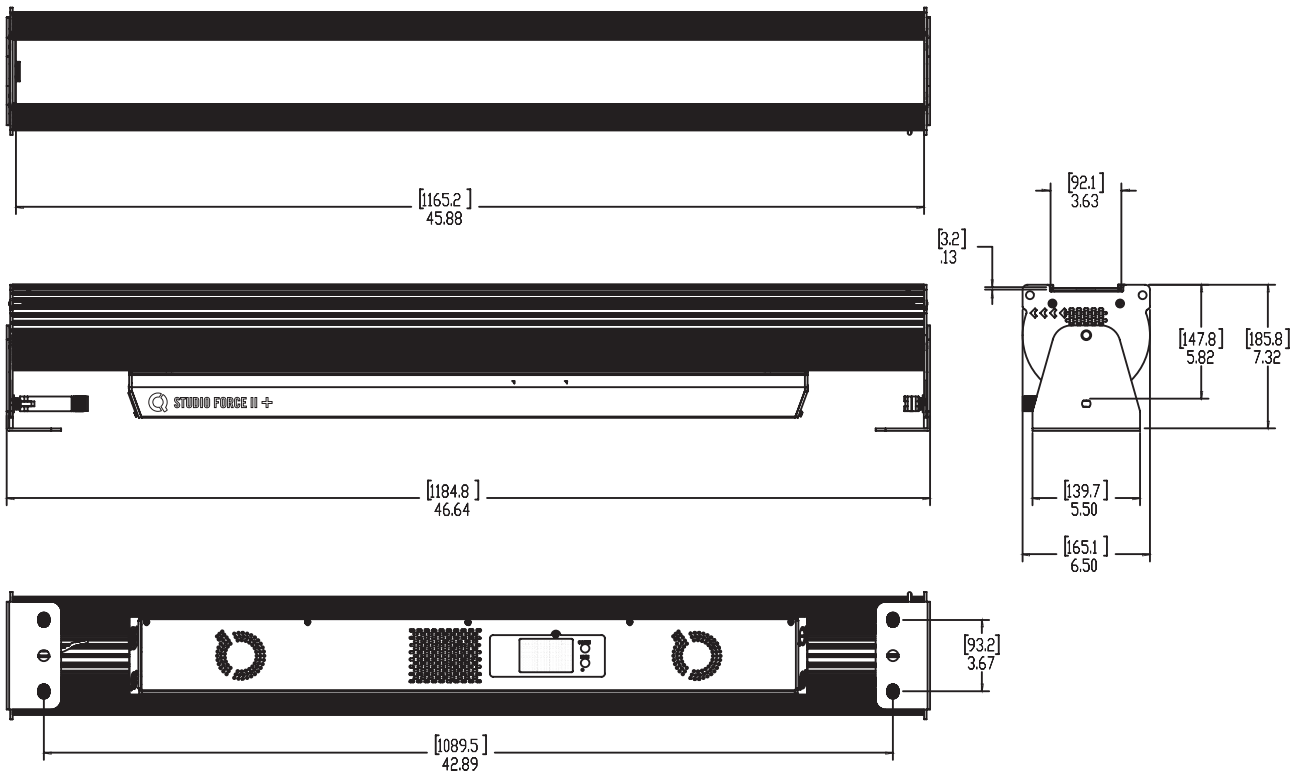


BORDER OPTIC 43° X 43° (approx)



CYC OPTIC 80° X 35° (approx)

DIMENSIONS



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