



Chroma-Q®
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.0
Chroma-Q® Studio Force II Plus™ 72
Part No: CQ1641-5000

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 - 40,400 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

- CQ1641-5000: Chroma-Q Studio Force II Plus 72, black
- CQ1641-5100: Chroma-Q Studio Force II Plus 72, white
- CQ1641-5500: Chroma-Q Studio Force II Plus 72, w/LumenRadio, black
- CQ1641-5600: Chroma-Q Studio Force II Plus 72, w/LumenRadio, white

ACCESSORIES

- CHCFBL72 Chroma-Q border lens for Studio Force II Plus 72
- CHCFCL72 Chroma-Q Cyc lens for Studio Force II Plus 72
- CHCFTL72 Chroma-Q Clear lens Studio Force II Plus 72
- CQ641-9103 Chroma-Q Hang Force kit Studio Force II Plus 72, black
- CQ641-9104 Chroma-Q Hang Force kit Studio Force II Plus 72, white
- CQ641-9016 Chroma-Q Light Guard Studio Force II Plus 72, black
- CQ641-9017 Chroma-Q Light Guard Studio Force II Plus 72, white

OVERALL SPECIFICATIONS

Net Dimensions (without fixings):	Length: 1,759mm / 69.25" Width: 165mm / 6.5" Height: 191mm / 7.5"
Net Weight:	24kg / 53lb
Shipping Dimensions:	Length: 1,855mm / 73" Width: 305mm / 12" Height: 320mm / 12.5"
Shipping Weight:	27kg / 60lbs
Power Supply:	Built-in
Power Input Rating:	100-240V AC 50-60Hz 800VA
Power Factor:	0.97 @ 120V AC, 0.92 @ 240V AC
Power Consumption:	800W @ 120V AC, 800W @ 240V AC
Inrush Current:	80A @ 120V AC
Idle Power Consumption:	44W @ 120V AC, 46W @ 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:	2 x fixtures @110V, 4 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):	40,400 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
Lamp 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 V72 (5600K)

Field: 45°

Beam: 22°

Magnification (mf): 0.39 x

Candelas: 161300 Cd

Lumens: 40400 lm

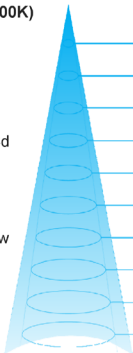
Watts: 765 w

Lumen/w: 210.9 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	1.3 ft	161300 lx	14985 fc
1.53 m	5.0 ft	1.3 m	4.2 ft	0.6 m	2.0 ft	68905 lx	6401 fc
3.05 m	10.0 ft	2.5 m	8.3 ft	1.2 m	3.9 ft	17339 lx	1611 fc
3.95 m	13.0 ft	3.3 m	10.7 ft	1.5 m	5.0 ft	10338 lx	960 fc
4.56 m	15.0 ft	3.8 m	12.4 ft	1.8 m	5.8 ft	7757 lx	721 fc
6.10 m	20.0 ft	5.1 m	16.6 ft	2.4 m	7.8 ft	4335 lx	403 fc
6.85 m	22.5 ft	5.7 m	18.6 ft	2.7 m	8.7 ft	3438 lx	319 fc
7.63 m	25.0 ft	6.3 m	20.7 ft	3.0 m	9.7 ft	2771 lx	257 fc
9.15 m	30.0 ft	7.6 m	24.9 ft	3.6 m	11.7 ft	1927 lx	179 fc
10.07 m	33.0 ft	8.3 m	27.4 ft	3.9 m	12.8 ft	1591 lx	148 fc



Chroma-Q®

Fixture model

Studio Force II Plus V72 (5600K) BorderLens

Field: 74°

Beam: 34°

Magnification (mf): 0.61 x

Candelas: 53200 Cd

Lumens: 34700 lm

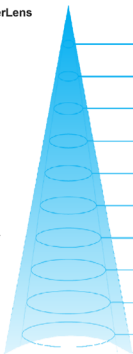
Watts: 765 w

Lumen/w: 69.6 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	1.5 m	4.9 ft	0.6 m	2.0 ft	53200 lx	4942 fc
1.53 m	5.0 ft	2.3 m	7.6 ft	0.9 m	3.1 ft	22726 lx	2111 fc
3.05 m	10.0 ft	4.6 m	15.1 ft	1.9 m	6.1 ft	5719 lx	531 fc
3.95 m	13.0 ft	6.0 m	19.5 ft	2.4 m	7.9 ft	3410 lx	317 fc
4.56 m	15.0 ft	6.9 m	22.5 ft	2.8 m	9.1 ft	2558 lx	238 fc
6.10 m	20.0 ft	9.2 m	30.2 ft	3.7 m	12.2 ft	1430 lx	133 fc
6.85 m	22.5 ft	10.3 m	33.9 ft	4.2 m	13.7 ft	1134 lx	105 fc
7.63 m	25.0 ft	11.5 m	37.7 ft	4.7 m	15.3 ft	914 lx	85 fc
9.15 m	30.0 ft	13.8 m	45.2 ft	5.6 m	18.4 ft	635 lx	59 fc
10.07 m	33.0 ft	15.2 m	49.8 ft	6.2 m	20.2 ft	525 lx	49 fc



Chroma-Q®

Fixture model

Studio Force II Plus V72 (5600K) CycLens

Field: 104°

Beam: 44°

Magnification (mf): 0.81 x

Candelas: 51600 Cd

Lumens: 34300 lm

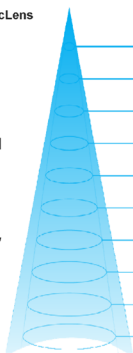
Watts: 765 w

Lumen/w: 67.5 lm/w

CRI Ra: 95

TM-30 Rf / Rg: 91 / 103

Duv: -0.0003



Fixture photometric table

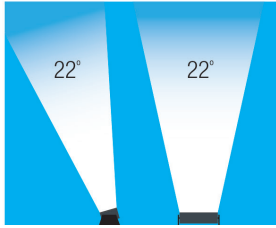
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	2.6 m	8.4 ft	0.8 m	2.7 ft	51600 lx	4794 fc
1.53 m	5.0 ft	3.9 m	12.8 ft	1.2 m	4.1 ft	22043 lx	2048 fc
3.05 m	10.0 ft	7.8 m	25.6 ft	2.5 m	8.1 ft	5547 lx	515 fc
3.95 m	13.0 ft	10.1 m	33.2 ft	3.2 m	10.5 ft	3307 lx	307 fc
4.56 m	15.0 ft	11.7 m	38.3 ft	3.7 m	12.1 ft	2482 lx	231 fc
6.10 m	20.0 ft	15.6 m	51.2 ft	4.9 m	16.2 ft	1387 lx	129 fc
6.85 m	22.5 ft	17.5 m	57.5 ft	5.5 m	18.2 ft	1100 lx	102 fc
7.63 m	25.0 ft	19.5 m	64.1 ft	6.2 m	20.2 ft	886 lx	82 fc
9.15 m	30.0 ft	23.4 m	76.8 ft	7.4 m	24.3 ft	616 lx	57 fc
10.07 m	33.0 ft	25.8 m	84.6 ft	8.1 m	26.7 ft	509 lx	47 fc



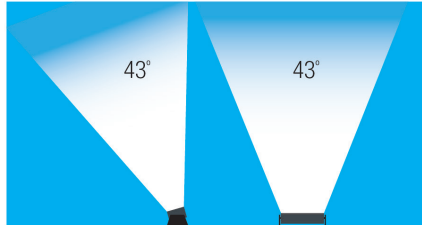
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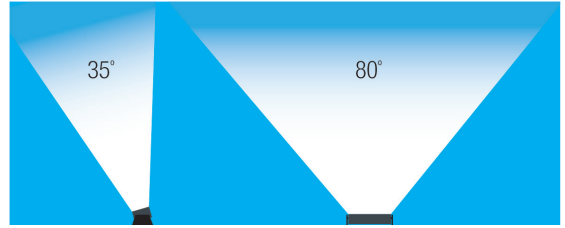
BEAM ANGLES



STANDARD 22° X 22° (approx)

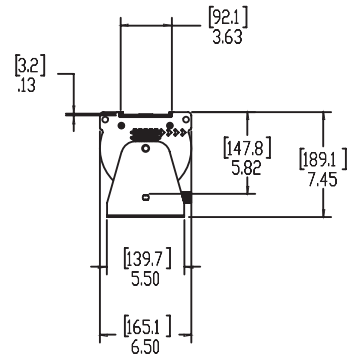
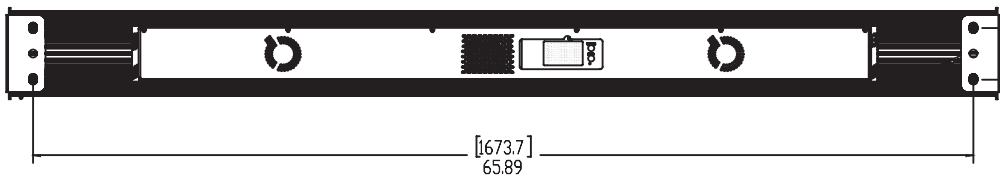
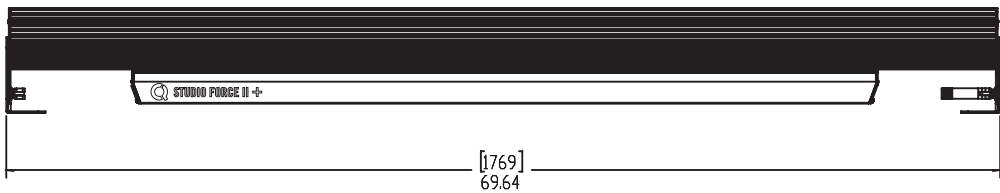
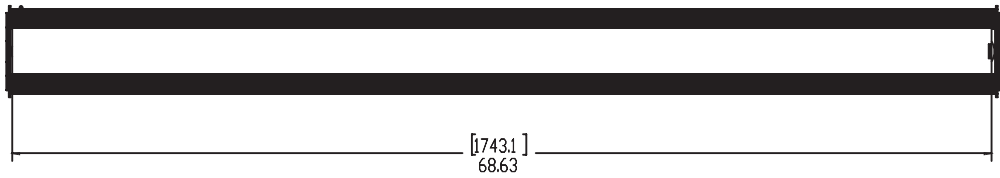


BORDER OPTIC 43° X 43° (approx)



CYC OPTIC 80° X 35° (approx)

DIMENSIONS



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