



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 - 39,250 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):	39,250 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: 20°

Magnification (mf): 0.35 x

Candelas: 161800 Cd

Lumens: 39250 lm

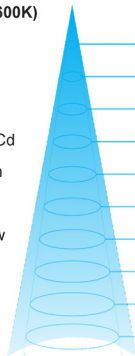
Watts: 763 w

Lumen/w: 51.4 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	0.8 m	2.7 ft	0.4 m	1.2 ft	161800 lx	15032 fc
1.53 m	5.0 ft	1.3 m	4.2 ft	0.5 m	1.8 ft	69119 lx	6421 fc
3.05 m	10.0 ft	2.5 m	8.3 ft	1.1 m	3.5 ft	17393 lx	1616 fc
3.95 m	13.0 ft	3.3 m	10.7 ft	1.4 m	4.6 ft	10370 lx	963 fc
4.56 m	15.0 ft	3.8 m	12.4 ft	1.6 m	5.3 ft	7781 lx	723 fc
6.10 m	20.0 ft	5.1 m	16.6 ft	2.2 m	7.1 ft	4348 lx	404 fc
6.85 m	22.5 ft	5.7 m	18.6 ft	2.4 m	7.9 ft	3448 lx	320 fc
7.63 m	25.0 ft	6.3 m	20.7 ft	2.7 m	8.8 ft	2779 lx	258 fc
9.15 m	30.0 ft	7.6 m	24.9 ft	3.2 m	10.6 ft	1933 lx	180 fc
10.07 m	33.0 ft	8.3 m	27.4 ft	3.6 m	11.7 ft	1596 lx	148 fc



Chroma-Q®

Fixture model

Studio Force II Plus V72 (5600K) BorderLens

Field: 74°

Beam: 32°

Magnification (mf): 0.57 x

Candelas: 60590 Cd

Lumens: 33470 lm

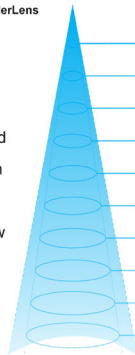
Watts: 763 w

Lumen/w: 43.9 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	1.5 m	4.9 ft	0.6 m	1.9 ft	60590 lx	5629 fc
1.53 m	5.0 ft	2.3 m	7.6 ft	0.9 m	2.9 ft	25883 lx	2405 fc
3.05 m	10.0 ft	4.6 m	15.1 ft	1.7 m	5.7 ft	6513 lx	605 fc
3.95 m	13.0 ft	6.0 m	19.5 ft	2.3 m	7.4 ft	3883 lx	361 fc
4.56 m	15.0 ft	6.9 m	22.5 ft	2.6 m	8.6 ft	2914 lx	271 fc
6.10 m	20.0 ft	9.2 m	30.2 ft	3.5 m	11.5 ft	1628 lx	151 fc
6.85 m	22.5 ft	10.3 m	33.9 ft	3.9 m	12.9 ft	1291 lx	120 fc
7.63 m	25.0 ft	11.5 m	37.7 ft	4.4 m	14.4 ft	1041 lx	97 fc
9.15 m	30.0 ft	13.8 m	45.2 ft	5.2 m	17.2 ft	724 lx	67 fc
10.07 m	33.0 ft	15.2 m	49.8 ft	5.8 m	18.9 ft	598 lx	56 fc



Chroma-Q®

Fixture model

Studio Force II Plus V72 (5600K) CycLens

Field: 104°

Beam: 62°

Magnification (mf): 1.20 x

Candelas: 56140 Cd

Lumens: 32690 lm

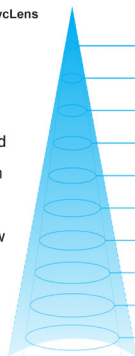
Watts: 763 w

Lumen/w: 42.9 lm/w

CRI Ra: 95

TM-30 Rf / Rg: 91 / 103

Duv: -0.0003



Fixture photometric table

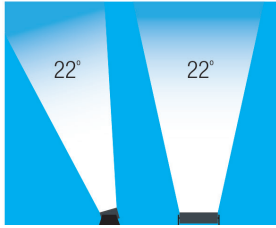
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	2.6 m	8.4 ft	1.2 m	3.9 ft	56140 lx	5216 fc
1.53 m	5.0 ft	3.9 m	12.8 ft	1.8 m	6.0 ft	23982 lx	2228 fc
3.05 m	10.0 ft	7.8 m	25.6 ft	3.7 m	12.0 ft	6035 lx	561 fc
3.95 m	13.0 ft	10.1 m	33.2 ft	4.7 m	15.6 ft	3598 lx	334 fc
4.56 m	15.0 ft	11.7 m	38.3 ft	5.5 m	18.0 ft	2700 lx	251 fc
6.10 m	20.0 ft	15.6 m	51.2 ft	7.3 m	24.1 ft	1509 lx	140 fc
6.85 m	22.5 ft	17.5 m	57.5 ft	8.2 m	27.0 ft	1196 lx	111 fc
7.63 m	25.0 ft	19.5 m	64.1 ft	9.2 m	30.1 ft	964 lx	90 fc
9.15 m	30.0 ft	23.4 m	76.8 ft	11.0 m	36.1 ft	671 lx	62 fc
10.07 m	33.0 ft	25.8 m	84.6 ft	12.1 m	39.7 ft	554 lx	51 fc



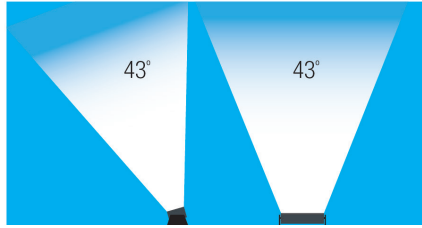
Chroma-Q[®]
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.1
Chroma-Q[®] Studio Force II Plus™ 72
Part No: CQ1641-5000

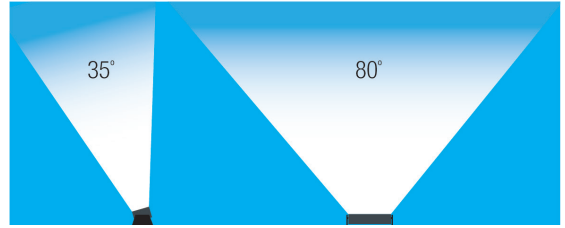
BEAM ANGLES



STANDARD 22° X 22° (approx)



BORDER OPTIC 43° X 43° (approx)



CYC OPTIC 80° X 35° (approx)

DIMENSIONS

