



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 - 7,700 lumens
- Superb smooth dimming
- Ideal for TV Broadcast and film
- 335mm / 1ft* length ideal for floor, wall or truss mounting
- PowerCON TRUE1 input and output for easy daisy chaining of fixtures
- Hidden quick release lever for tilt adjustment

ORDERING INFORMATION

- CQ1652-1150: Chroma-Q Studio Force II Plus 12, black
- CQ1652-1250: Chroma-Q Studio Force II Plus 12, white
- CQ1652-1650: Chroma-Q Studio Force II Plus 2, w/LumenRadio, black
- CQ1652-1750: Chroma-Q Studio Force II Plus 12, w/LumenRadio, white

ACCESSORIES

- CHCFBL12 Chroma-Q border lens for Studio Force II Plus 12
- CHCFCL12 Chroma-Q cyc lens for Studio Force II Plus 12
- CHCFTL12 Chroma-Q clear lens for Studio Force II Plus 12
- CHCFBD12 Chroma-Q barndoor for Studio Force II Plus 12, black
- CHCFBD12W Chroma-Q barndoor for Studio Force II Plus 12, white
- CHCFECL12 Chroma-Q egg crate louvre for Studio Force II Plus 12, black
- CHCFTH12 Chroma-Q top hat for Studio Force II Plus 12, black
- CHCFHTH12 Chroma-Q half top hat for Studio Force II Plus 12, black
- CHCFZH12 Chroma-Q zip hood for Studio Force II Plus 12
- CHCFDBX Chroma-Q diffuser box for Studio Force II Plus 12, black
- CHCFDBXW Chroma-Q diffuser box for Studio Force II Plus 12, white
- CHCFLB12 Chroma-Q Lightbank for Studio Force II Plus 12, *requires CHCFLBA12*
- CHCFLBA12 Chroma-Q speed ring adaptor for CHCFLB12, black
- CH641-9070 Chroma-Q RF LumenRadio kit option for Studio Force II Plus

OVERALL SPECIFICATIONS

Net Dimensions (without fixings):	Length: 335mm / 13.2" Width: 218mm / 8.6" Height: 190mm / 7.5"
Net Weight:	5kg / 11.0lb
Shipping Dimensions:	Length: 432mm / 17" Width: 279mm / 11" Height: 343mm / 13.5"
Shipping Weight:	7kg / 15.5lb
Power Supply:	Built-in
Power Input Rating:	100-240V AC 50-60Hz 160VA
Power Factor:	0.99 @ 120V AC, 0.97 @ 240V AC
Power Consumption:	150W @ 120V AC, 133W @ 240V AC
Idle Power Consumption:	8W @ 120V AC, 10W @ 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:	10 x fixtures @120V, 22 x Fixtures @240V
Control Protocol:	ANSI E1.11 USITT DMX 512-A
Cooling System:	Combined convection and forced air - 1 fan
Operating Temperature:	0°C to 40°C
Construction:	Anodised aluminium extrusion
Colour:	Black / White
Built-In Hardware:	Yoke and 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):	7,700 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



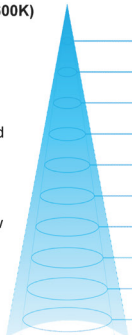
PHOTOMETRIC DATA



Chroma-Q®

Fixture photometric table

Fixture model
Studio Force II Plus V12 (5600K)
Field: 45°
Beam: 20°
Magnification (mf): 0.35 x
Candelas: 32590 Cd
Lumens: 7790 lm
Watts: 145 w
Lumen/w: 53.7 lm/w
CRI Ra: 95
TM-30 Rf / Rg: 91 / 103
Duv: -0.0003



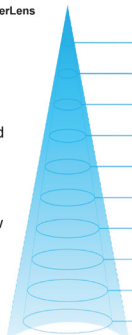
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	0.8 m	2.7 ft	0.4 m	1.2 ft	32590 lx	3028 fc
1.53 m	5.0 ft	1.3 m	4.2 ft	0.5 m	1.8 ft	13922 lx	1293 fc
3.05 m	10.0 ft	2.5 m	8.3 ft	1.1 m	3.5 ft	3503 lx	325 fc
3.95 m	13.0 ft	3.3 m	10.7 ft	1.4 m	4.6 ft	2089 lx	194 fc
4.56 m	15.0 ft	3.8 m	12.4 ft	1.6 m	5.3 ft	1567 lx	146 fc
6.10 m	20.0 ft	5.1 m	16.6 ft	2.2 m	7.1 ft	876 lx	81 fc
6.85 m	22.5 ft	5.7 m	18.6 ft	2.4 m	7.9 ft	695 lx	65 fc
7.63 m	25.0 ft	6.3 m	20.7 ft	2.7 m	8.8 ft	560 lx	52 fc
9.15 m	30.0 ft	7.6 m	24.9 ft	3.2 m	10.6 ft	389 lx	36 fc
10.07 m	33.0 ft	8.3 m	27.4 ft	3.6 m	11.7 ft	321 lx	30 fc



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Fixture photometric table

Fixture model
Studio Force II Plus V12 (5600K) BorderLens
Field: 74°
Beam: 32°
Magnification (mf): 0.57 x
Candelas: 12320 Cd
Lumens: 6840 lm
Watts: 145 w
Lumen/w: 47.2 lm/w
CRI Ra: 95
TM-30 Rf / Rg: 91 / 103
Duv: -0.0003



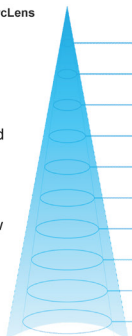
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	1.5 m	4.9 ft	0.6 m	1.9 ft	12320 lx	1145 fc
1.53 m	5.0 ft	2.3 m	7.6 ft	0.9 m	2.9 ft	5263 lx	489 fc
3.05 m	10.0 ft	4.6 m	15.1 ft	1.7 m	5.7 ft	1324 lx	123 fc
3.95 m	13.0 ft	6.0 m	19.5 ft	2.3 m	7.4 ft	790 lx	73 fc
4.56 m	15.0 ft	6.9 m	22.5 ft	2.6 m	8.6 ft	592 lx	55 fc
6.10 m	20.0 ft	9.2 m	30.2 ft	3.5 m	11.5 ft	331 lx	31 fc
6.85 m	22.5 ft	10.3 m	33.9 ft	3.9 m	12.9 ft	263 lx	24 fc
7.63 m	25.0 ft	11.5 m	37.7 ft	4.4 m	14.4 ft	212 lx	20 fc
9.15 m	30.0 ft	13.8 m	45.2 ft	5.2 m	17.2 ft	147 lx	14 fc
10.07 m	33.0 ft	15.2 m	49.8 ft	5.8 m	18.9 ft	121 lx	11 fc



Chroma-Q®

Fixture photometric table

Fixture model
Studio Force II Plus V12 (5600K) CycLens
Field: 118°
Beam: 62°
Magnification (mf): 1.20 x
Candelas: 11370 Cd
Lumens: 6660 lm
Watts: 145 w
Lumen/w: 46.0 lm/w
CRI Ra: 95
TM-30 Rf / Rg: 91 / 103
Duv: -0.0003



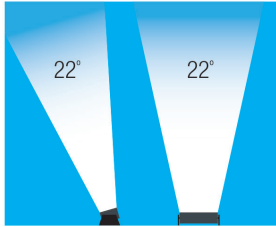
Throw Distance		Field Spread		Beam Spread		Full On	
m	ft	m	ft	m	ft	Lux	Footcandle
1.00 m	3.3 ft	3.3 m	10.9 ft	1.2 m	3.9 ft	11370 lx	1056 fc
1.53 m	5.0 ft	5.1 m	16.7 ft	1.8 m	6.0 ft	4857 lx	451 fc
3.05 m	10.0 ft	10.2 m	33.3 ft	3.7 m	12.0 ft	1222 lx	114 fc
3.95 m	13.0 ft	13.1 m	43.1 ft	4.7 m	15.6 ft	729 lx	68 fc
4.56 m	15.0 ft	15.2 m	49.8 ft	5.5 m	18.0 ft	547 lx	51 fc
6.10 m	20.0 ft	20.3 m	66.6 ft	7.3 m	24.1 ft	306 lx	28 fc
6.85 m	22.5 ft	22.8 m	74.8 ft	8.2 m	27.0 ft	242 lx	23 fc
7.63 m	25.0 ft	25.4 m	83.3 ft	9.2 m	30.1 ft	195 lx	18 fc
9.15 m	30.0 ft	30.5 m	99.9 ft	11.0 m	36.1 ft	136 lx	13 fc
10.07 m	33.0 ft	33.5 m	110.0 ft	12.1 m	39.7 ft	112 lx	10 fc



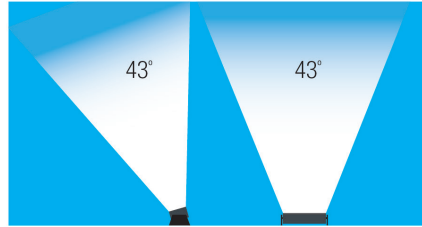
Chroma-Q®
BRILLIANT SOLUTIONS

Specification Sheet - Version: 1.1
Chroma-Q® Studio Force II Plus™ V12
Part No: CQ1652-1150

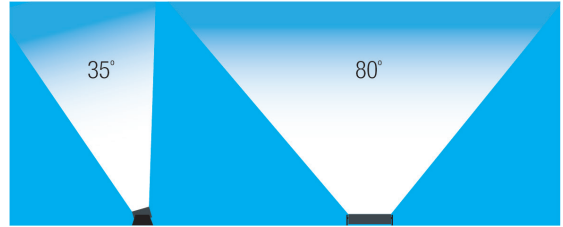
BEAM ANGLES



STANDARD 22° X 22° (approx)



BORDER OPTIC 43° X 43° (approx)



CYC OPTIC 80° X 35° (approx)

DIMENSIONS

