

DESCRIPTION

Building on more than 30 years of Chroma-Q innovation, the next generation Color Force 3™ delivers stunning output with a spectacular, richer color palette. The Color Force 3 produces the rich primaries, delicate pastels, and pure whites that you love. Every cue benefits from 16-bit dimming for flawless low-intensity fades and instant snaps.

Color Force 3 introduces SparQle™ pixels, a creative layer of bright white LEDs unlocking eye-catching effects from subtle twinkles to punchy micro-strobes. All wrapped in a rugged IP65 chassis.

The innovative flex-optics system allows for fast lens and accessory changes from the face of the fixture eliminating the need to re-focus fixtures.

Color Force 3 delivers flawless colour, seamless fades, and rock-solid reliability show after show.

KEY FEATURES

ColorSure 3™

Designed for applications where powerful and precise lighting is essential, including cyc, flood and wall washing. Color Force 3 delivers more than twice the output of Color Force II and a richer colour palette.

ColorSure 3 takes Chroma-Q's amazing colour calibration to the next level with deeper calibration and smoother control ensuring superior fixture to fixture consistency with a colour range that will continue to

inspire creative lighting designers.

With multi-point CCT control from 2000K to 7100K Color Force 3 incorporates precise green/magenta control for film and broadcast applications.

SparQle

Get creative, with punchy 7000K sparkle LEDs above and below each cell. The pin-point beams can deliver high-impact eye-candy or subtle shimmers. Pixel mappable, SparQle™ unlocks a creative second layer for soft textures or intense eye-candy effects.

FlexOptics™

With an innovative quick-change lens system, lenses and accessories can be quickly changed from the face of the fixture eliminating the need to re-focus fixtures when changing lenses. Enhanced on and off axis lens visibility ensures an extra-wide viewing angle.

OTHER FEATURES

- IP65 Neutrik XLR 5pin and etherCON connectors with Art-Net / sACN / RDM connectivity
- Dual NFC points for fast and reliable iOS or Android fixture configuration
- Touchscreen interface and e-Ink display with fixture and networks settings instantly visible
- Trunnions with tilt degree markings and sliding omega brackets for precision positioning
- Optional LumenRadio TimoTwo for robust, reliable wireless DMX connectivity

OPTICS

Hot lumen output (combined)	CF3 12: 7,000 lm CF3 48: 28,000 lm CF3 72: 42,000 lm
Optics	Fully homogenised lenses
Beam angle	18° (approx.)
Beam angle with optional cyc optic	80 x 35° (approx.)
Beam angle with optional border optic	43° (approx.)
Colour engine	Advanced RGBA ColorSure 3 calibrated engine using latest CQ3 colour science control
CCT	Adjustable 2000K - 7100K Extended 1000K - 10000K
Tint control	+2/-2 Green
CRI	>90
TM-30 Rf, Rg	RF>90, RG >100
SparQle hot lumen output (combined)	CF3 12: 1,000 lm CF3 48: 4,000 lm CF3 72: 6,000 lm
SparQle beam angle	15° (approx.)
LED lifetime (hours)	L70 at 50,000 hours* *Measured under manufacturer's test conditions

CONNECTIONS

Power connectors in/out	Neutrik powerCON TRUE1 in and out
Data connectors in/out	XLR 5-pin in and out Ethernet in and out
Wireless connections	Optional LumenRadio module
NFC reader	CF3 12: one on the display side CF3 48 and CF3 72: one on the display side and one on the back under the serial label

ELECTRICAL

Power supply	Built-in, multi-voltage
Power input rating	100-240V AC 50-60Hz CF3 12: 180VA CF3 48: 700VA CF3 72: 1100VA
Power factor	0.97 @ 120V AC 0.92 @ 230V AC
Power consumption	CF3 12: 180W @ 120V AC, 180W @ 230V AC CF3 48: 700W @ 120V AC, 700W @ 230V AC CF3 72: 1100W @ 120V AC, 1100W @ 230V AC
Idle power consumption	CF3 12: 27W @ 120V AC, 30W @ 230V AC CF3 48: 27W @ 120V AC, 30W @ 230V AC CF3 72: 27W @ 120V AC, 30W @ 230V AC
Earth leakage	0.18mA
Inrush current	Up to 80A @120 VAC
Max fixtures in series	CF3 12: 5 @ 120V, 10 @ 230V CF3 48: 2 @ 120V, 4 @ 230V CF3 72: 1 @ 120V, 2 @ 230V
Typical power & current	Measurements done with all LEDs at maximum intensity. Measurements made at nominal voltage. Allow for a deviations of +/- 10%

CONTROL

Control protocol	ANSI E1.11 USITT DMX 512-A, Artnet / sACN / RDM
Control modes	Main Cells: RGB, RGBA, RGB Compact, RGBA Compact, RGB Extended, RGBA Extended, all modes available in 8 bit or 16 bit
Number of controllable mixed source(s)	CF3 12: 4 RGBA, 8 SparQle CF3 48: 16 RGBA, 32 SparQle CF3 72: 24 RGBA, 48 SparQle
Dimming curve	Linear, Soft Rise, Fast Rise, S-Curve
Display	4" graphic touch display and 1" e-ink
PWM frequency	Native ultra high speed PWM selectable from 24,000Hz at full 16bit to 96,000khz at 14 bits

APPROVALS

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
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PHYSICAL

Cooling system	Combined convection & forced air
Maximum surface temperature	Ta=26°C: (68°C, 154°F)
Operating temperature:	0°C to 40°C (32°F to 104°F)
Total heat dissipation (calculated, +/- 10%)	CF3 12: 615 BTU/hr CF3 48: 2730 BTU/hr CF3 72: 3755 BTU/hr
Construction	Powder coated aluminium extrusion
Built-in hardware	Tilt-Lock, 2 accessory slots, safety bracket(s), quarter turn receptacle
IP rating	IP65
Mounting points	2 Omega brackets included with the fixture
Idle sound level	Background noise + 2db
Max sound level	32db at quiet mode

Color Force 3 12

Dimensions (l x h x w)	325mm x 180mm x 215mm 12.8" x 7.1" x 8.5"
Weight	6.9kg / 15.2lb
Shipping dimensions	432mm x 292mm x 400mm 17" x 11.5" x 15.7"
Shipping weight	9kg / 19.8lb
Distance centre-to-centre	325mm / 12.8"

Color Force 3 48

Dimensions (l x h x w)	1,200mm x 180mm x 215mm 47.2" x 7.1" x 8.5"
Weight	23.5kg / 51.8lb
Shipping dimensions	1,295mm x 292mm x 400mm 51" x 11.5" x 15.7"
Shipping weight	26.5kg / 58.4lb
Distance centre-to-centre	1,200mm / 47.2"

Color Force 3 72

Dimensions (l x h x w)	1,785mm x 180mm x 215mm 70.3" x 7.1" x 8.5"
Weight	35kg / 77.2lb
Shipping dimensions	1,880mm x 292mm x 400mm 74" x 11.5" x 15.7"
Shipping weight	38.5kg / 84.9lb
Distance centre-to-centre	1,785mm / 70.3"

ORDERING INFORMATION

CQ1530-1200	Color Force 3 12, black
CQ1530-1201	Color Force 3 12, white
CQ1530-1205	Color Force 3 12 RF, black
CQ1530-1206	Color Force 3 12 RF, white
CQ1530-4800	Color Force 3 48, black
CQ1530-4801	Color Force 3 48, white
CQ1530-4805	Color Force 3 48 RF, black
CQ1530-4806	Color Force 3 48 RF, white
CQ1530-7200	Color Force 3 72, black
CQ1530-7201	Color Force 3 72, white
CQ1530-7205	Color Force 3 72 RF, black
CQ1530-7206	Color Force 3 72 RF, white

ACCESSORIES

Color Force 3 12

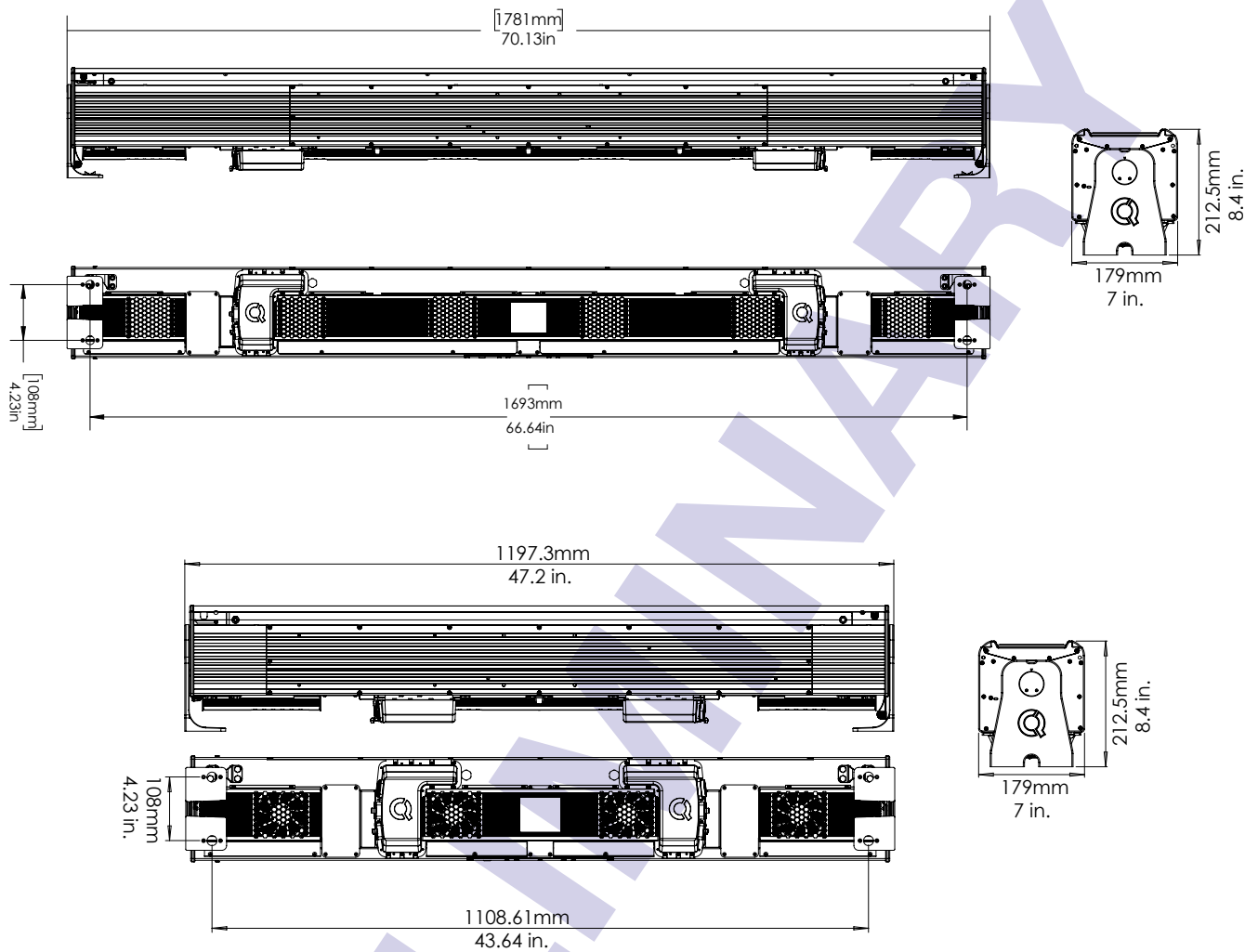
CHCFBD12	Barndoor, black
CHCFBD12W	Barndoor, white
CHCFECL12	Egg crate louvre, black
CHCFTH12	Top hat, black
CHCFH12	Half top hat, black
CHCFZH12	Zip hood
CHCFDBX	Diffuser box, black
CHCFDBXW	Diffuser box, white

All Models

CQ1530-9030	CF3 12 border lens
CQ1530-9040	CF3 48 border lens
CQ1530-9050	CF3 72 border lens
CQ1530-9031	CF3 12 cyc lens
CQ1530-9041	CF3 48 cyc lens
CQ1530-9051	CF3 72 cyc lens
CQ1530-9032	CF3 12 clear lens
CQ1530-9042	CF3 48 clear lens
CQ1530-9052	CF3 72 clear lens
CQ1530-9033	CF3 12 stealth lens
CQ1530-9043	CF3 48 stealth lens
CQ1530-9053	CF3 72 stealth lens
CQ1530-9034	CF3 12 lightshield
CQ1530-9044	CF3 48 lightshield
CQ1530-9054	CF3 72 lightshield
CQ1530-9020	RF LumenRadio kit option

Power cable with PowerCon and 2 x ¼ turn brackets included.

TECHNICAL DRAWINGS



Please contact:

