



Chroma-Q™
BRILLIANT SOLUTIONS



Studio Force V 12
Phosphor

Winner - Lighting

Chroma-Q Studio Force Range Extreme Output White LED Solutions

www.chroma-q.com



A Complete Range of White LED Creative Tools

Utilising the same core technologies as the innovative Chroma-Q™ Color Force™ LED range, the Studio Force™ family of white LED products is available in a selection of sizes and colour temperatures, providing a complete range of creative tools to suit your every lighting need and budget.

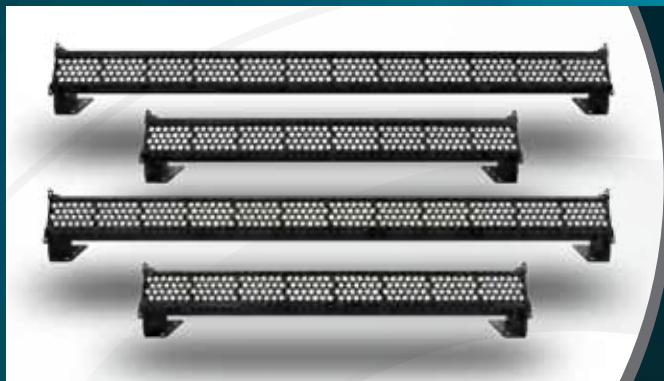
Specifically designed for TV, film, studio, touring, exhibitions, corporate events and theatre usage, the Studio Force family is ideal for a wide range of lighting applications.

A Choice of Sizes, Colour Temperatures & Outputs

The Studio Force range comprises of five different fixtures, each available in a choice of daylight (D) and variable white (V) colour temperature models, with the variable versions featuring factory calibrated 3200°K and 5600°K presets. Selected models are also available in a tungsten (T) white option.

Conceived with maximum compatibility and versatility in mind, the Studio Force range utilises ColorSure™ technology for enhanced consistency across each light engine, optimising the performance of multiple fixtures when used together.

Studio Force 48™ and 72™ Battens



Available in a choice of 1.2m / 4ft (48) and 1.8m / 6ft (72) batten lengths, the Studio Force 48 and 72 fixtures are ideal for evenly washing large areas. The units produce an extreme output of up to 20,000 lumens (D 48 model) / 16,900 lumens (V 48 model) and 28,000 lumens (D 72 model) / 25,400 lumens - more than twice the white light output of their RGBA colour variants.

D V

Studio Force 12™ Multi-Purpose Fixture



At only 335 mm / 1 ft† long, the multi-purpose Studio Force 12 is ideal for floor, wall or truss mounting and using for a wide range of applications. The unit can also be used to extend the length of Studio Force 48 and 72 battens, and produces an extreme output of 6,000 lumens (D model) / 5,000 lumens (T model) / 5,300 lumens (V model) – at least twice the white light output of its RGBA colour variant. The daylight white model is also available as an ultra bright version producing up to 15,000 lumens.

D V T

† Measurements may have been rounded, please see specification sheet for full measurements.

Studio Force Compact™ Workhorse Fixture



Housed in a slim IP65 rated* profile, the Studio Force Compact is a cost-effective workhorse that is ideal for uplighting, backlighting, truss toner and other wash applications. Despite measuring only 212mm / 8.4" in length, the unit produces an extreme output of 2,800 lumens (D model) / 2,630 lumens (V model) - at least 50% more white light output than its RGBA colour variant – making it ideal for lighting areas with a very small footprint.

D V

Studio Force Phosphor™ - Custom LED Film & TV Lighting



The new Studio Force Phosphor™ range utilises innovative LED technologies to provide an equivalent soft edge output to a fluorescent fixture – up to 8,000 lumens. There's a choice of standard daylight, variable and tungsten white colour temperature versions, with the variable version offering fine-tuning of the green & magenta tints and frequency for camera. Other features include an extremely smooth uniform wash, extra soft beam, theatrical grade dimming and colour touch screen interface.



Wide Range of Accessories for Multi-Purpose Applications

For real versatility and compatibility with existing lighting inventories, the Studio Force range is compatible with selected City Theatrical™ and other accessories available for the Studio Force / Color Force ranges.

Studio Force 12 / Phosphor 12



Studio Force Compact



Studio Force 48 / 72



Range Key Features

- Extreme white light outputs
- Choice of daylight, variable and tungsten white CCTs
- Complete range of creative tools
- Extremely smooth, uniform wash
- Theatrical grade dimming

Models available: Daylight White Variable White Tungsten White

- Multi-purpose applications
- Camera friendly
- Custom optics – ensure a smooth even beam
- Range of multi-purpose accessories
- Practical, user-friendly design

Studio Force Range Technical Specification

	D Compact	V Compact	D XT 12	D 12	V 12	T 12	D 12 Phosphor	V 12 Phosphor	T 12 Phosphor	D 48	V 48	D 72	V 72	
Net Dimensions	212 x 196 x 152mm / 8.4" x 7.7" x 6"		335 x 190 x 218mm / 13.2" x 7.5" x 8.6"								1,181 x 182 x 177mm / 46.5" x 7.25" x 7"		1,759 x 182 x 177mm / 69.25" x 7.25" x 7"	
Net Weight	4 kgs / 8.5lbs		4 kgs / 9lbs								15kgs / 33lbs		22kgs / 48lbs	
Power Supply	External - PSU15						Built-in							
Power Input Rating	48V DC		170VA		100-240V AC, 50-60 Hz, 160VA						100-240V AC, 50-60 Hz, 400VA		100-240V AC, 50-60 Hz, 700VA	
Power Consumption	60W		170W		150W						480W		660W	
Power Connectors In/Out	XLR 4pin						PowerCon							
Data Connectors In/Out	XLR 4-pin						XLR 5-pin							
Control Protocol	ANSI E1.11 USITT DMX 512-A													
Cooling System	Convection			Forced - 1 fan						Forced - 2 fans				
Operating Temperature	0°C to 40°C													
Construction	Cast machined aluminum			Anodised aluminium extrusion										
IP Rating	*IP65						IP20							

Studio Force Range Control & Photometric

	D Compact	V Compact	D XT 12	D 12	V 12	T 12	D 12 Phosphor	V 12 Phosphor	T 12 Phosphor	D 48	V 48	D 72	V 72	
LED Engines	1		2						8		12			
LEDs Per Engine	28 CW	14 CW / 14 WW	24 CW	24 CW	12 CW / 12 WW	24 WW	24 blue LEDs	30 (6 x RGA, 12 x B)	24 blue LEDs	24 CW	12 CW / 12 WW	24 CW	12 CW / 12 WW	
Total LEDs	28		48				60		48		192		288	
Control Modes	Multiple control modes onboard													
Effects Parameters	Intensity effects							NA		Intensity effects				
Hot Lumen Output	2,800 @ 6,200K	2,630 @ 4,300K	Up to 15,000	6,000	5,300 @ 4,200K	5,000	8,000	6,000	6,000	20,000	16,900 @ 4,200K	28,000	25,400 @ 4,200K	
Beam Angle	14° (approx.)		~17°		~23°			Softlight			~23°			
Beam Angle With Optional Frosted Optic	21° (approx.)		NA											
Beam Angle With Optional Cyc Optic	NA			80 x 30° (approx.)			NA		80 x 30° (approx.)					
Beam Angle With Optional Border Optic	NA		60° (approx.)			NA		60° (approx.)						
Beam Distribution	Asymmetrical direct illumination		Symmetrical direct illumination		Asymmetrical direct illumination		Symmetrical direct illumination			Asymmetrical direct illumination				
CCT	6,200K [^]	3,000 - 6,000K [^]	6,100K [^]		3,000 - 6,100K	3,000K	5,600K [^]	3,200 - 5,600K [^]	3,200K [^]	6,100K [^]	3,000K - 6,100K	6,100K [^]	3,000K - 6,100K [^]	
Colour Gamut	Perfomanced enhanced													
CRI	~75 @ 6,200K	~80 @ 4,300K	>70		>80		Up to 71 (preliminary)	Up to 91 (preliminary)	80 (preliminary)	>70	>80	>70	>80	
Lamp Life	L70 at 50,000 hours													

* As Per IEC60529 ingress protection rating code. ** Fixture not included. *** Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that require it. † Color Force Compact models only.
[^] +/- 200K. Main specifications only - for full product specifications visit www.chroma-q.com

For the latest news and information on the Chroma-Q range, visit www.chroma-q.com