



Studio Force D 48 & 72

- Extreme Output Daylight White LED Battens



Extreme Output

Available in a choice of 1.2m / 4ft (48) and 1.8m / 6ft (72) batten lengths, the fixtures offer more than twice the white light output of their RGBA colour variants - ranging from 20,000 lumens (48) up to 28,000 lumens (72).

Multi-purpose

The Studio Force D battens are suitable for a wide range of lighting applications, including key-lighting, uplighting, backlighting and wash applications.

Optional accessories include a cyc lens and a border light lens for general purpose wash applications, and a half snoot.

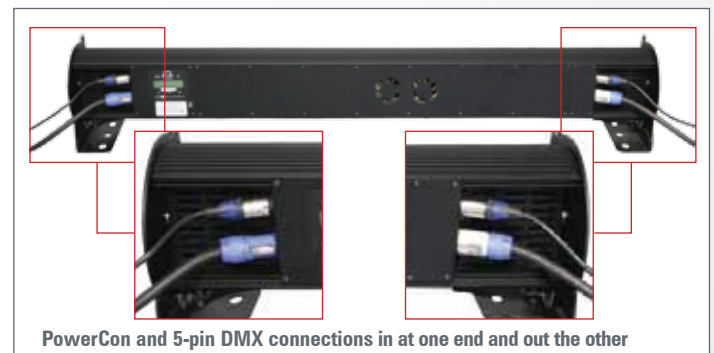
Colour

The Studio Force D range includes ColorSure™ technology for enhanced consistency across each light engine and when using multiple fixtures.

Utilising the same core technologies as the innovative Chroma-Q™ Color Force™ LED battens range, the new Studio Force™ D 48 & 72 models are 6,100K CCT, daylight white versions specifically designed for TV, film, touring, exhibitions, corporate events and theatre lighting applications. With an extreme output of up to 28,000 lumens, the battens evenly wash large areas, complemented by smooth, theatrical grade dimming. The range also includes a multi-purpose version.

Optics & Dimming

The Studio Force D range's camera friendly custom optical design provides a smooth, uniform output, matched by theatrical grade dimming.



PowerCon and 5-pin DMX connections in at one end and out the other



Hidden quick release fixings and flat end plates



Cyc and border light lens



Half snoot

Key Features

- 6,100K CCT daylight white
- Extreme output - 20,000 lumens (48) / 28,000 lumens (72)
- Extremely smooth, uniform wash
- Theatrical grade dimming
- Ideal for TV, film, touring, exhibitions, corporate events and theatre
- Choice of 1.2m / 4ft (48) and 1.8m / 6ft (72) lengths
- Camera friendly
- PowerCon input and output for easy daisy chaining of fixtures
- Optional cyc and border light lens media accessories
- Flat end plates for seamless wall-washing
- Built-in power supply
- Hidden quick release fixings
- Rugged extruded aluminium body

Practical & Mechanical

On the outside, the Studio Force D battens have been designed to provide maximum versatility and ease of use. The built-in power supply, hidden quick release fixings requiring no tools, and PowerCon and 5-pin DMX connections in at one end and out the other provide fast deployment and simple cable management.

The Studio Force D range also features stand-alone Master and Slave modes for additional usage possibilities, flat end plates for seamless wall-washing and a rugged extruded aluminium body.

Technical Specification

Studio Force D 48 & 72 Specifications

	Studio Force D 48	Studio Force D 72		Studio Force D 48	Studio Force D 72
Product Code	CHSFD48NF	CHSFD72NF	Power Connector In/Out	PowerCon	
Dimensions	1,182mm x 182mm x 177mm / 46.5" x 7.25" x 7"	1,759mm x 182mm x 177mm / 69.25" x 7.25" x 7"	Data Connectors In/Out	XLR 5-pin	
Weight	15kgs / 33lbs	22kgs / 48lbs	Control Protocol	ANSI E1.11 DMX-512A, XLR5 in / through	
Shipping Dimensions	1,295mm x 305mm x 320mm / 51" x 12" x 12.5"	1,855mm x 305mm x 320mm / 73" x 12" x 12.5"	Cooling System	Forced - 2 fans	
Shipping Weight	18kgs / 40lbs	25kgs / 56lbs	Construction	Black anodised aluminium extrusion	
Power Input Rating	100-240V AC, 50-60 Hz, 400VA, power factor: better than .95	100-240V AC, 50-60 Hz, 700VA, power factor: better than .95	Colour	Black	
Typical Power & Current	Measurements done with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.		Built-In Hardware	Quick release lever for tilt adjustment	
			IP Rating	IP20	
			Approvals	CISPR 22 :2006/EN55022 :2006 & CISPR 24 :1997/EN55024 :1998, ICES-003 :2004 & FCC Part 15 Subpart B: 2007, CSA C22. No. 166-M1983:R2008 UL 1573:2003; UL 8750	

**For exact measurements please refer to the line drawings found in the product specification sheets and manuals on www.chroma-q.com

Control & Photometric

	Studio Force D 48	Studio Force D 72		Studio Force D 48	Studio Force D 72
LED Engines	8	12	Effects Parameters	Intensity Effects	
LEDs Per Engine	24 Cold White		Hot Lumen Output	White 20,000 hot lumens	White 28,000 hot lumens
Total LEDs	192	288	Optics	Specialised close focus lens	
Control Modes	32 channels Dim32 2 channels FxDim 8 channels Dim8x 1 channel Dim1x 1 channel Look Select Master Standalone Slave Standalone Manual	48 channels Dim48 2 channels FxDim 12 channels Dim12 1 channel Dim1x 1 channel Look Select Master Standalone Slave Standalone Manual	Beam Angle	~23°	
Dimming Curve	Theatrical		Beam Angle With Optional Cyc Optic	80 x 30° (approx.)	
Variable Effects Engine	Yes		Beam Angle With Optional Border Optic	60° (approx.)	
			Beam Distribution	Asymmetrical direct illumination	
			CCT	6,100K (+/- 200K)	
			Colour Gamut	Performance enhanced	
			CRI	≥70	
			Lamp Life	L70 at 50,000 hours	

Accessories

CHCFCL48	Cyc Lens For Force 48	CHCFCL72	Cyc Lens For Force 72
CHCFBL48	Border Light Lens For Force 48	CHCFBL72	Border Light Lens For Force 72
CHCFHS48	Half Snoot For Force 48	CHCFHS72	Half Snoot For Force 72

Studio Force V Range

All three Studio Force D models are also available as Studio Force V 3,000K - 6,100K CCT variable white versions.

For the most up to date product information, news and downloads, please visit www.chroma-q.com