



Chroma-Q® Studio Force D 12 Phosphor



Extreme Output Daylight White Phosphor LED Fixture

The new Chroma-Q® Studio Force D 12 Phosphor™ is a 5,600K CCT, daylight white fixture which utilises innovative LED technologies found in the Studio Force™ range to provide an equivalent soft edge output to a fluorescent fixture - up to 8,210 lumens - developed specifically for use in TV, film and broadcast studio environments. Other features include an extremely smooth uniform wash, extra soft beam, theatrical grade dimming, laboratory calibration to match Black Body Locus. Designed for practicality, the unit is equipped with a manual control mode, colour touch screen interface, fanless, studio & full modes for maximum control of the units and a range of optional accessories.

Extreme Output

With an extreme output of up to 8,210 lumens, the Studio Force D 12 Phosphor packs an impressive punch for its size.

Multi-purpose

The Studio Force D 12 Phosphor is specifically designed for film and studio soft lighting applications.

Optional accessories include a spigot adaptor, egg crate louver, top hat, half top hat and barn door.

Colour

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

Optics & Dimming

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

Optional City Theatrical Accessories



Egg crate louver



Top hat



Half top hat



Barn door



Spigot adaptor

Practical & Mechanical

On the outside, the Studio Force D 12 Phosphor has been designed to provide maximum versatility and ease of use. The fixture features a colour touch screen interface for easy operation and a full manual control mode.

The built-in power supply, hidden quick release fixings requiring no tools, and PowerCon and 5-pin DMX connections in and out provide fast deployment and simple cable management. A DC battery powered version is also available.

The Studio Force Phosphor range also features fanless, studio & full modes for maximum control of the units, flat end plates for seamless wall-washing and a rugged extruded aluminium body.



Hidden quick release fixings and flat end plates



Colour touch screen interface and manual mode

Key Features

- 5,600K CCT daylight white
- Extreme output – up to 8,210 lumens
- Extra soft beam – very wide output
- Extremely smooth, uniform wash
- Theatrical grade dimming
- Ideal for film and studio applications
- Factory calibrated to match Black Body Locus
- 335mm / 13.2" length ideal for floor, wall or truss mounting
- Camera friendly
- PowerCon input and output for easy daisy chaining of fixtures
- Broad range of accessories available, including barn door and spigot adaptor
- Fanless, studio & full control modes
- Intuitive colour touch screen interface
- Flat end plates for seamless wall-washing
- Built-in power supply
- Hidden quick release fixings
- Rugged extruded aluminium body
- Also available as a DC battery powered version



Studio Force D 12 Phosphor Technical Specification

Product Code	CHSFDP12
Net Dimensions*	335mm x 190mm x 218mm / 13.2"x 7.5" x 8.6"
Net Weight	4kgs / 9lbs
Shipping Dimensions	432mm x 343mm x 279mm / 17" x 13.5" x 11"
Shipping Weight	6kgs / 13lbs
Power Supply	Built-in
Power Input Rating	100-240V AC, 50-60 Hz, 160VA
Power Factor	0.998
Power Consumption	150W
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	PowerCon

Data Connectors In/Out	XLR 5-pin
Control Protocol	ANSI E1.11 USITT DMX 512-A
Cooling System	Forced - 1 fan
Operating Temperature	0°C to 40°C
Construction	Anodised aluminium extrusion
Colour	Black
Built-In Hardware	Quick release lever for tilt adjustment
IP Rating	IP20
Approvals	CISPR 22/EN55022 & CISPR 24/EN55024, ICES-003 & FCC Part 15 Subpart B, CSA C22. No.166-M1983:R2008 UL 1573:2010; UL 8750:2009

Control & Photometric

LED Engines	2
LEDs Per Engine	24 Blue LEDs
Total LEDs	48
Control Modes	1 channel Level, 1 channel Look Sel, Manual/Mstr, Slave, Look Store
Dimming Curve	Theatrical

Hot Lumen Output	8,210
Optics	Remote phosphor panel
Beam Angle	Softlight
Beam Distribution	Symmetrical direct illumination
CCT	5600K (+/- 200K)
Colour Gamut	Performance enhanced
CRI	Up to 71
Lamp Life	L70 at 50,000 hours

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

Accessories

CHCFCL12	Cyc Lens For Force 12
CHCFBL12	Border Light Lens For Force 12
CHCFSA12	Spigot Adaptor For Force 12
CHCFECL12	Egg Crate Louver For Force 12
CHCFTH12	Top Hat For Force 12
CHCFH12	Half Top Hat For Force 12

CHCFBD12	Barn Door For Force 12
CHCFDBX	Diffuser Box For Force 12
CHCFLBA12	Lightbank Adaptor (Speedring) For Force 12
CHCFLB12	Lightbank For Force 12
CHCFLBK-K	Lightbank Kit+ For Force 12 (consists of Lightbank Adaptor (Speedring) & Lightbank)

Studio Force Phosphor Range

The Studio Force D 12 Phosphor model is also available as a Studio Force V 12 Phosphor variable white version and Studio Force T 12 Phosphor tungsten white version.

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