

Muse Fresnel70CT+

1000 W 6 Color Moving LED Fresnel, 10° - 60° zoom with 200mm/8" lens

ORDER CODE: **MUSEF70CTP**



MAIN FEATURES

- 1000W 6-colour LED source, with 200 mm Fresnel lens and up to 29'000 lm
- Authentic Fresnel behaviour with single clean shadow, natural fall-off and motorised 10°-60° zoom
- Advanced beam shaping with 4-blade framing system, indexed rotating ovalizer, frost, iris and colour wheel
- Premium light quality with CRI up to 99, R9 up to 97, TLCI up to 97 and silent operation
- Absolute pan and tilt encoders enabling stationary reset, instant position recovery after power cycles and precise repeatability in live and studio environments

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 1000W 6 colour LEDs source with adjustable high color rendering
- Luminous flux: (10,2°) 27'753lm - (27,3°) 28'256lm - (60,3°) 28'609lm @Full
- Lux: (10,2°) 33'767lx - (27,3°) 6'355lx - (60,3°) 1'750lx @5 m full
- CRI: 98,8 @3.200K; 97,2 @5.600K
- R9: 97,1 @3.200K; 96,4 @5.600K
- TLCI: 93 @3.200K; 97 @5.600K
- TM30 Rf: 95 @3.200K; 94 @5.600K
- TM30 Rg: 100 @3.200K; 101 @5.600K
- Source life expectancy: > 50.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS

- Zoom range: 10° - 60° motorised linear zoom
- Lens diameter: 200mm / 8"
- Lens type: AR-coated glass Fresnel lens providing a classic soft light fall-off
- Focus: motorised 16-bit

COLOUR SYSTEM

- Spektra OS: unmatched color precision and consistency
- Colour control: XY, CCT, RGB, CMY, Gel Filters
- CCT: linear control from 2.200K to 15.000K with color-to-CCT linear crossfade
- Tungsten Emulation: dimming with warm color shift simulation
- Tint correction: ± green correction adjustment
- Colour wheel: 5 colour filters + open

DYNAMIC EFFECTS

- Control Resolution: 16-bit dimmer and color control
- Shutter system: 4 shutter blades with position and ±25° angle adjustment, ±60° rotation of the complete framing system
- FX generator: ovalizer filter motorized with indexing and rotation
- Frost: linear 0-100%
- Iris: 5 - 100% motorised iris

CONTROL

- Supported Protocols: DMX512, RDM, ArtNet, sACN (IGMP v2), CRMX
- DMX channels: 35 / 40 / 41 / 46ch
- RDM: for remote addressing and parameter configuration
- Display: 2.4" Color display

MOVEMENT

- Pan: 540° - 16-bit resolution
- Tilt: 270° - 16-bit resolution
- Absolute position: stationary reset without calibration movement
- Position feedback: automatic repositioning after external movement
- Pan / tilt lock: for transport and maintenance

The **Muse Fresnel70CT+** is a purpose-designed moving Fresnel, engineered from the ground up rather than adapted from a profile platform. It is an ideal moving key light for theatre and TV applications. Drawing on the optical tray of the PROLIGHTS static LED Fresnel range, it combines a 1,500 W-rated 6-colour LED engine, operated at 1,000 W to ensure consistent output over time and boosted colors, with a 200 mm (8") Fresnel lens, delivering up to 29,000 lm.

The result on stage is authentic Fresnel behaviour: a single, clean shadow with a clear cut and the natural fall-off of an 8 kW tungsten unit - only here, every feature is remote. A motorised 10°-60° zoom, a 4-blade internal framing system with blade swivel and module rotation, an indexed rotating ovalizer, linear frost and a motorised iris give complete control over beam shape, all working in combination.

Colour is driven by Spektra OS, so the fixture works seamlessly alongside the **Muse Profile70CT+** and the PROLIGHTS CT+ static range, for consistent colour across the rig. A linear CCT channel from 2'200K to 15'000K, plus/minus green tint, gel and tungsten emulation, and a dedicated 5-filter colour wheel extend the palette beyond the native gamut.

Light quality is engineered for camera and key-light work, with CRI up to 99, R9 up to 97 and TLCI up to 97, 16-bit dimming and a choice of dimming curves. Absolute encoders on pan and tilt allow reset without movement - ideal when rigged inside a limited set.

With Silent and Fan-Off modes, full connectivity - DMX, RDM, Art-Net, sACN and built-in CRMX, plus the EtherFlow pass-through Ethernet switch - and a compact 29 kg body, the **Muse Fresnel70CT+** delivers the power, precision and refinement demanded by high-end theatre, TV and film productions.

ELECTRONICS

- Dimmer: linear 0 - 100% electronic dimmer
- Dimmer curves: 5 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Display battery: optional, self-charging battery backup
- Selectable PWM: 1200 to 40,000 Hz (selectable steps) with ±20% fine adjustment
- Firmware upgrade with: via DMX with UPBOXPRO (not included) or via Ethernet with DMX-Workshop

CONNECTIONS

- Power connection: Neutrik powerCON TRUE1 IN connector
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Wireless Connection: integrated LumenRadio TiMo FX RDM - CRMX and W-DMX compatible
- Data connection: Amphenol RJ45 IN/OUT
- EtherFlow: Ethernet pass-through switch that preserves network connectivity even when the fixture is unpowered

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 1450W
- Standby power: 116 W
- Power factor: > 0,94

PHYSICAL

- IP rating: IP20
- Cooling: heat pipe with low-noise fan
- Housing: Aluminium structure with high-resistance polycarbonate cover
- Finish: black
- Operating temperature: Ta -10 to +45 °C (+14 to +113 °F)
- Dimensions (WxHxD): 436x703x331mm / 17.17"x27.68"x13.03"
- Weight: 29,3kg / 64.6lbs

INSTALLATION

- Suspension and fixing: any position with quick-lock Omega brackets
- Hardware on-board: ancor points on the front for accessory mounting
- Transportation: retractable arm handles

CERTIFICATIONS / REPORTS

- Compliance: CE

BOX CONTENT

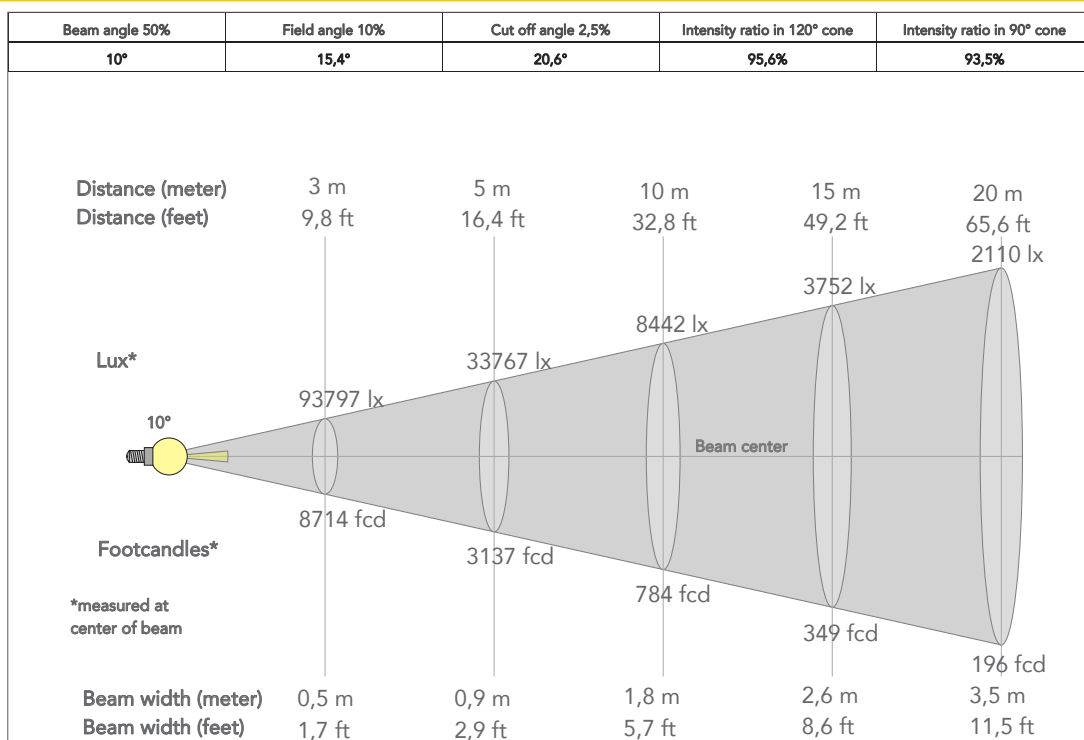
- 1 x MUSEF70CTP
- 2 x OS25PLUS
- 1 x 1,5 meters 3G1,5mmq power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65)

ACCESSORIES & RELATED PRODUCTS

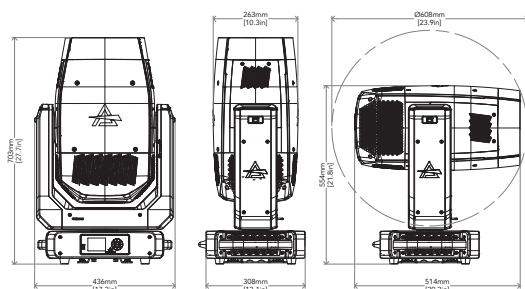
- FCLMUSEF70 Flight case for 2 pcs of MUSEF70CTP
- MF70FF Holder and filter frame for MUSEF70CTP
- OS25PLUS Quick-lock omega bracket, M12 hole
- AETHERBOX IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready
- AETHERBOXONE IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready and PO
- C6002B Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
- RSR1235A Steel security cable for hanging bodies, inox steel shackle, L=120 cm, silver
- UPBOXPRO Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

PRESET FULL ON

Beam angle 50%:



TECHICAL DRAWINGS



CERTIFICATIONS & APPROVALS

Visit our website for specifications and tech documentations

