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Muse Fresnel70CT+ NEW

PROLIGHTS

ORDER CODE: MUSEF70CTP



Source
1000W 6 colour LEDs source

Zoom range
10° - 60° motorised linear zoom

IP rating
IP20

Weight
29,3kg / 64.6lbs

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.

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

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TECHNICAL SPECIFICATIONS

LIGHT SOURCE

- Source: 1000W 6 colour LEDs source
- 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: 98,7 @3.200K; 96,4 @5.600K
- R9: 94,4 @3.200K; 94,5 @5.600K
- TLCI: 95 @3.200K; 98 @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)

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

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: 1,200 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

INSTALLATION

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

BOX CONTENT

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

OPTICS

- Zoom range: 10° - 60° motorised linear zoom
- Lens diameter: 200mm
- 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, RAW, 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

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

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
- Data: USB-A for firmware updates

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
- Weight: 29,3kg

CERTIFICATIONS / REPORTS

- Compliance: CE, cTUVus

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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



AETHERBOXONE
IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE



AETHERBOX
IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready



C6002B
Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black

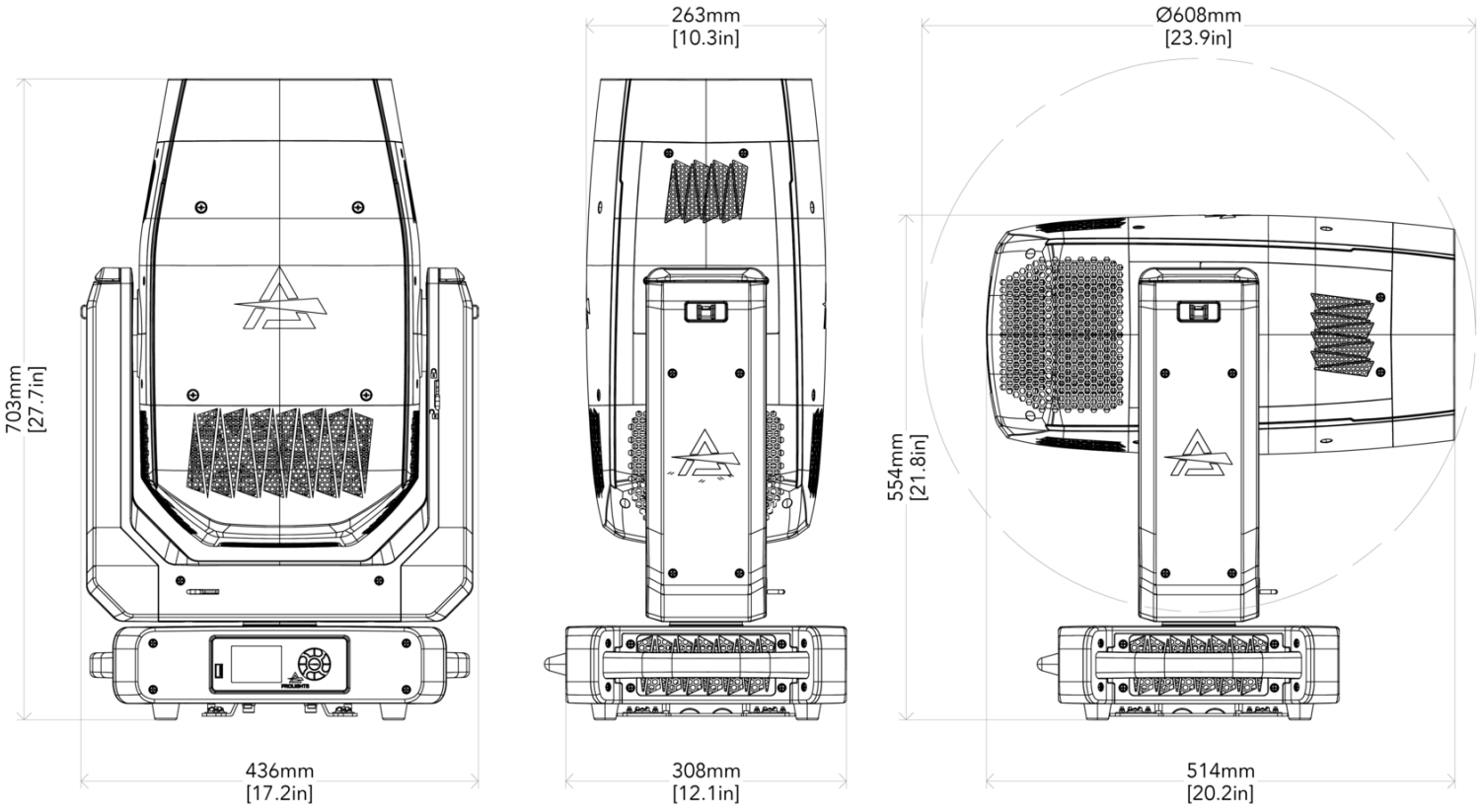


RSR1235A
Steel security cable for hanging bodies, inox steel shackle, L=120 cm, silver



UPBOXPRO
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

TECHNICAL DRAWINGS



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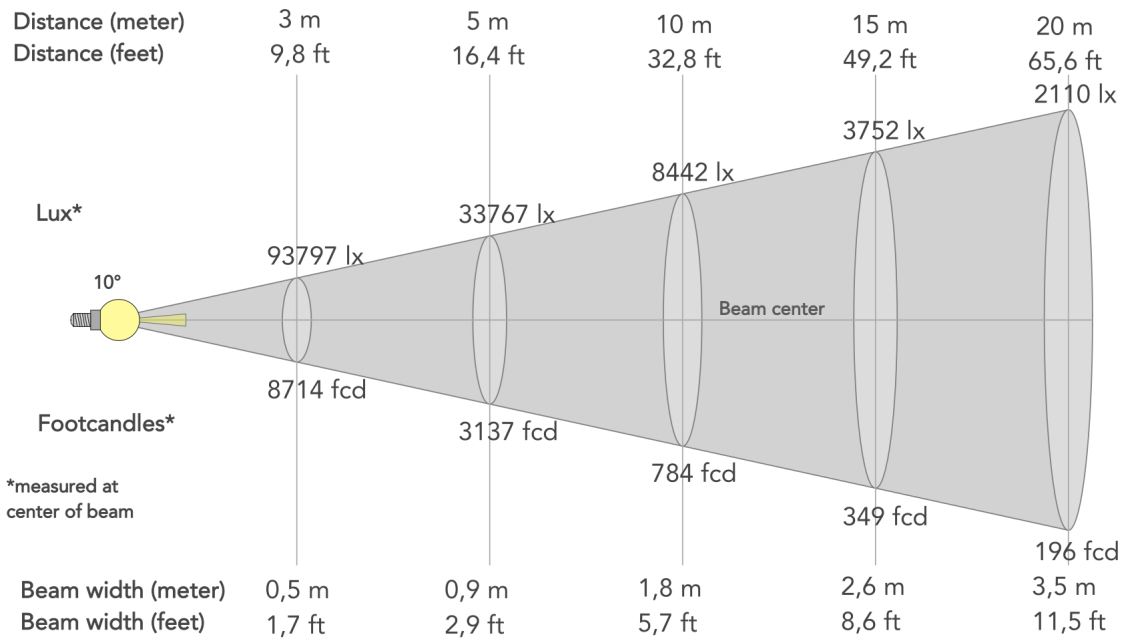
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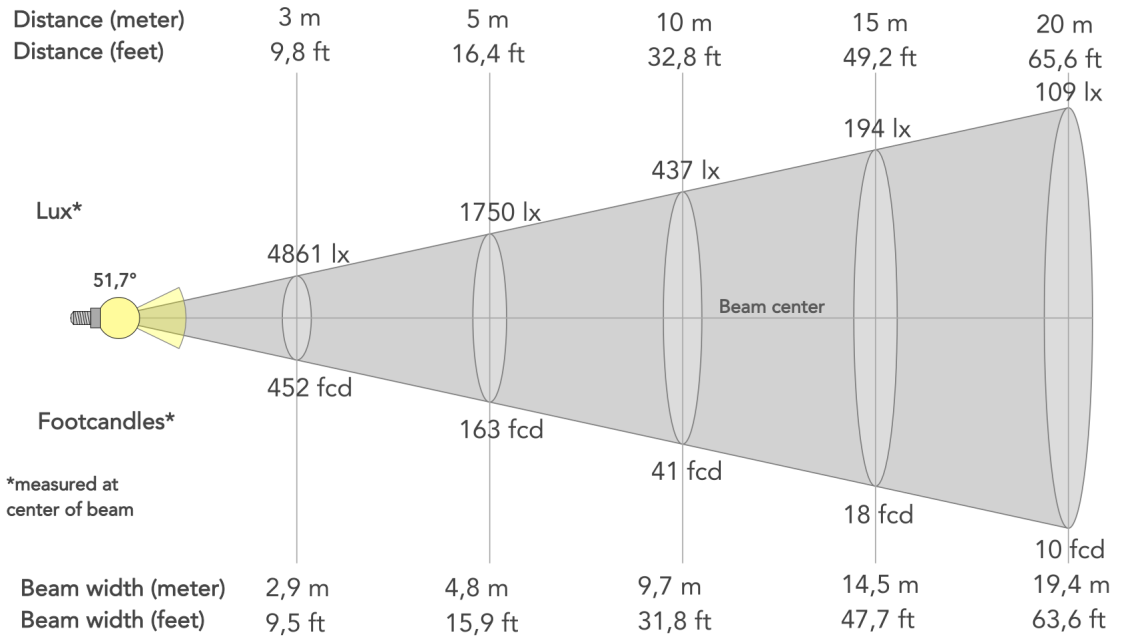
PHOTOMETRICS

Full On - Min Zoom



Beam angle (50%): **10°**	Field angle (10%): **15.4°**	Cut-off angle (2.5%): **20.6°**

Full On - Max Zoom



Beam angle (50%): **51.7°**	Field angle (10%): **60.3°**	Cut-off angle (2.5%): **66.2°**

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