

EclMiniFresnel FC

LED Fresnel FC and Tunable White, to replace a 300W lamp

ORDER CODE: **MINIECLFRFC**



EclMiniFresnel FC is an advanced LED replacement for the traditional 300W Fresnel lamps. Offering 4 colour mixing, delivering high precision reproduction of the white spectrum from 2.800 K to 8.000 K with extensive colour reproduction. The optical system harnesses the power of a 70W custom LED with 4 colours to create an even projection, beautiful colours and precise whites. Featuring HD dimming and tuning from 2.800 K to 8.000 K version, the **EclMiniFresnel FC** delivers the performance and quality of output demanded from this level of light.

MAIN FEATURES

- Tunable white 2.800 K - 8.000 K with extensive colour reproduction
- RGB + lime full colour mixing to achieve any colour palette
- Silent operation for studio and stage use

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 70 W RGB+Lime LEDs (driven @ 30W)
- CCT: 2.800 K - 8.000
- Luminous flux: (24°) 151 lm - (113°) 732 lm @full
- Lux: (24°) 27 lx - (113°) 18 lx @5 m full
- CRI: 81 @6.000 K
- R9: 91 @6.000 K
- TLCI: 80 @6.000 K
- TM30 Rf: 80 @6.000 K
- TM30 Rg: 104 @6.000 K
- Source life expectancy: > 50.000 h

OPTICS

- Zoom: 24° - 113° manual
- Lens diameter: 3,93" - 100 mm
- Lens type: Fresnel zoom lens
- Additional optics: 20° filter on board
- Other: spigot not included; gel frame and barndoors included

COLOUR SYSTEM

- Colour mixing: RGBL
- CCT: CCT control through dedicated DMX channel and amber shift activation by DMX
- White presets: 2.800 K - 8.000 K
- Colour wheel: virtual colour wheel with macros
- Macros: several pre-built macros with adjustable speed

DYNAMIC EFFECTS

- Static mode: selection of static colour
- Manual mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment
- Special features: linear crossfade channel from any white to any colour; virtual CTO on colours

BODY

- Body: sturdy die-cast aluminium body
- Body colour: black

CONTROL

- Protocols: DMX512, RDM, rotary knob
- DMX channels: 1 / 2 / 3 / 4-1 / 4-2 / 5 / 9 / 6 / 7 / 9-1 / 9-2 / 12 / 14 / 17 channel
- RDM: RDM for remote monitoring and settings
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOXPRO/UPBOX1) not included
- Master/Slave: for synchronised operation of more units linked in a chain
- Other: 16bit control of dimmer and colour

ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Operating temperature: -10° ~ +40°
- LED Control: flicker free frequency with adjustable PWM
- Selectable PWM: 600 ~ 25.000 Hz

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 30 W
- Power factor: >0,55

PHYSICAL

- IP rating: 20
- Cooling: passive cooling and fan-free
- Suspension and fixing: bracket for hanging and positioning
- Signal connection: DMX 5p IN/OUT
- Power connection: bare end connection
- Dimensions (WxHxD): 191x281x203 mm
- Weight: 2,52 kg

CERTIFICATIONS / APPROVALS

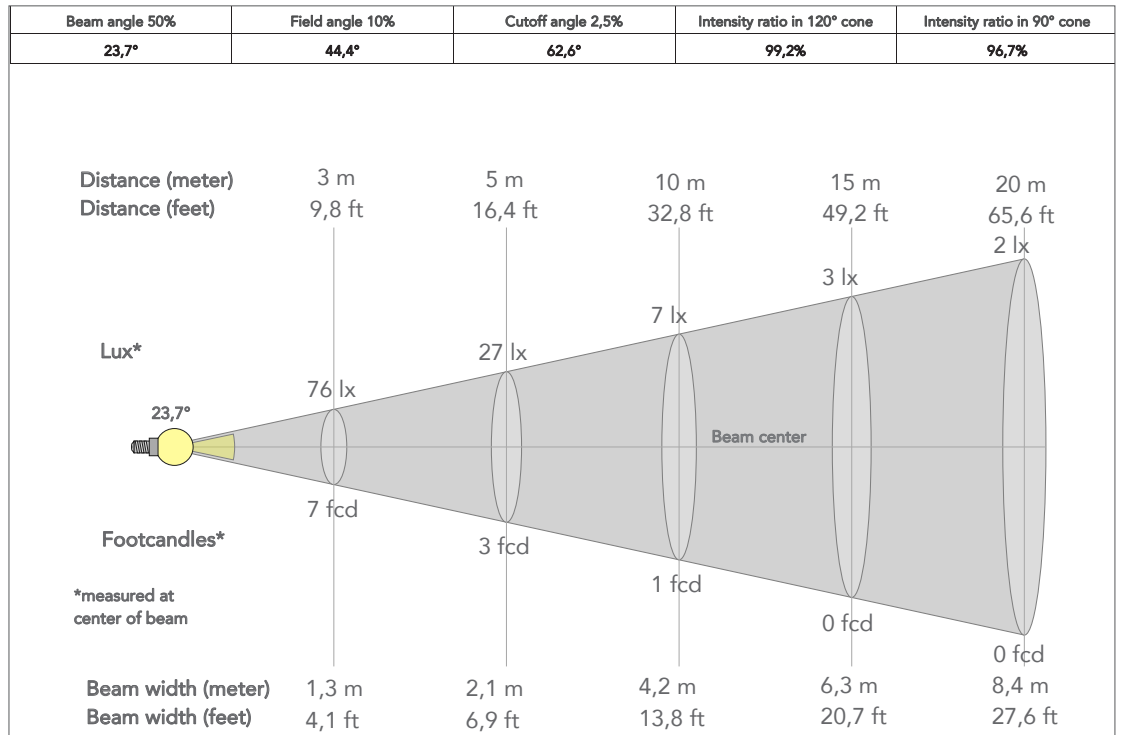
- Certifications / Approvals: CE, UKCA, RCM

ACCESSORIES & RELATED PRODUCTS

- | | | | |
|----------------|--|----------------|---|
| ▪ C6002B | Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black | ▪ RSR0630B | Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black |
| ▪ C6040B | Aluminum clamp for 28mm spigot, 200kg load, 48-51mm tubes, black | ▪ TOUR53415L03 | Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m |
| ▪ ECLFRSPG | Spigot for PROLIGHTS Fresnel series | ▪ UPBOX1U | Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT |
| ▪ MINIECLFRBD | Black barn door 4 directional flaps to adjust the light beam | | |
| ▪ MINIECLFRTPG | Filter frame for MINIECLFR series | | |

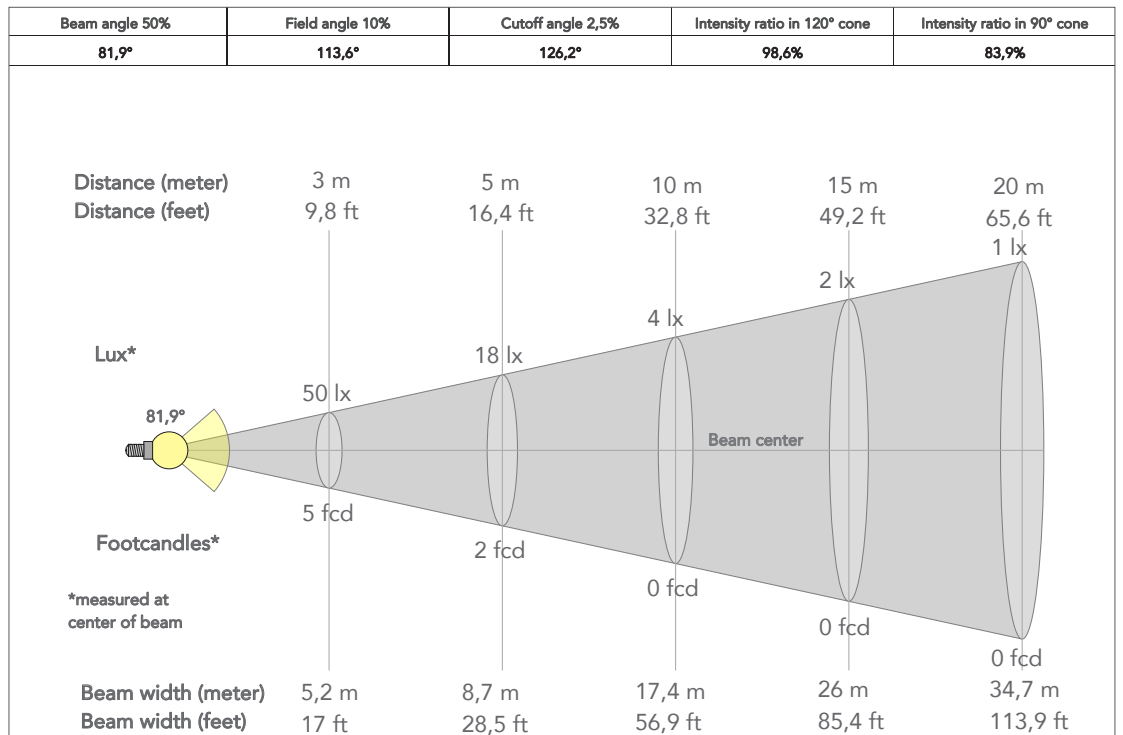
PRESET FULL ON

Beam angle 50%: 24°



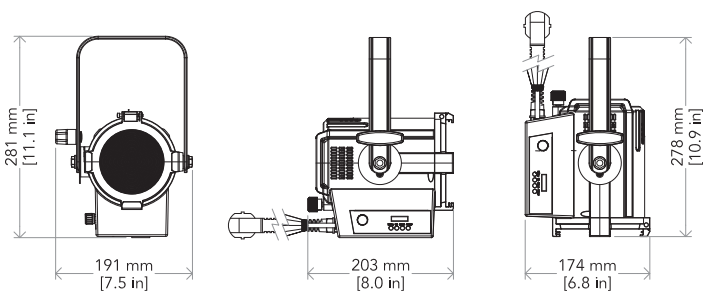
PRESET FULL ON

Beam angle 50%: 82°



TECHICAL DRAWINGS

CERTIFICATIONS / APPROVALS



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