

# EclFresnel 2K

LED Fresnel with HB white source, to replace 2.000W lamp



**EclFresnel 2K** is the LED replacement for a standard tungsten 2.000W Fresnel. Featuring the output characteristics of a traditional Fresnel but with beam control, functional barn doors and a power source that focuses on outstanding colour rendition. The **EclFresnel 2K** adds all the advantages of LED to the Fresnel.

## MAIN FEATURES

- TU (3.200 K) and DY (5.600 K) versions available both with HD dimming
- Fresnel lens with 17° to 91° zoom range
- Silent operation for studio and stage use

## VERSIONS

Code	CCT	Pole Operated	Housing
ECLFR2KTU	3.200 K	NO	Black
ECLFR2KDY	5.600 K	NO	Black
ECLFR2KPTU	3.200 K	YES	Black
ECLFR2KPDY	5.600 K	YES	Black
ECLFR2KTUWH	3.200 K	NO	White
ECLFR2KDYWH	5.600 K	NO	White

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 500 W high-power white LED
- CCT: (TU) 3.200 K - (DY) 5.600 K
- Luminous flux: (TU) (15°) 20'256 lm; (47°) 26'126 lm @full
- Luminous flux: (DY) (15°) 26'255 lm; (45°) 32'428 lm @ full
- Lux: (TU) (15°) 9'047 lx - (47°) 1'770 lx @5 m full
- Lux: (DY) (15°) 11'975 lx - (47°) 2'306 lx @5 m full
- CRI: (TU) >94; (DY) >91
- R9: (TU) >73; (DY) >80
- TLCI: (TU) >93; (DY) >93
- TM30 Rf: (TU) >92; (DY) >88
- TM30 Rg: (TU) <103; (DY) <104
- Source life expectancy: > 50.000 h

### OPTICS

- Zoom: 17° - 91° half peak angle
- Lens diameter: 250 mm
- Lens type: Fresnel zoom lens
- Other: spigot, barn door and gel frame included

### COLOUR SYSTEM

- Colour mixing: warm white
- Macros: several pre-built macros with adjustable speed

### DYNAMIC EFFECTS

- Static mode: selection of static dimmer
- Manual mode: manual adjust of dimmer through menu and knob
- Auto mode: built-in programs with execution speed adjustment

### BODY

- Hardware on-board: filter frame, 8 doors barn door, spigot
- Pan angle: (for pole operated version) 360° with manual regulation
- Tilt angle: (for pole operated version) 180° with manual regulation
- Body: sturdy die-cast aluminium body
- Body colour: black, white finishing available
- Other: Spigot 28 mm

### CONTROL

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

### ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Operating temperature: -10° ~ +45°
- 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: 500 W
- Output (at 230V): 4 units on a single power line
- Power factor: >0,96

### PHYSICAL

- IP rating: 20
- Cooling: combination of heat pipe cooling system and low noise fan
- Suspension and fixing: bracket for hanging and positioning
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- Dimensions (WxHxD): 421x537x456 mm
- Dimensions with PO system (WxHxD): 401x691x456 mm
- Weight: 17,2 kg
- Weight with PO system: 18 kg

### CERTIFICATIONS / APPROVALS

- Certifications / Approvals: CE, UKCA, RCM

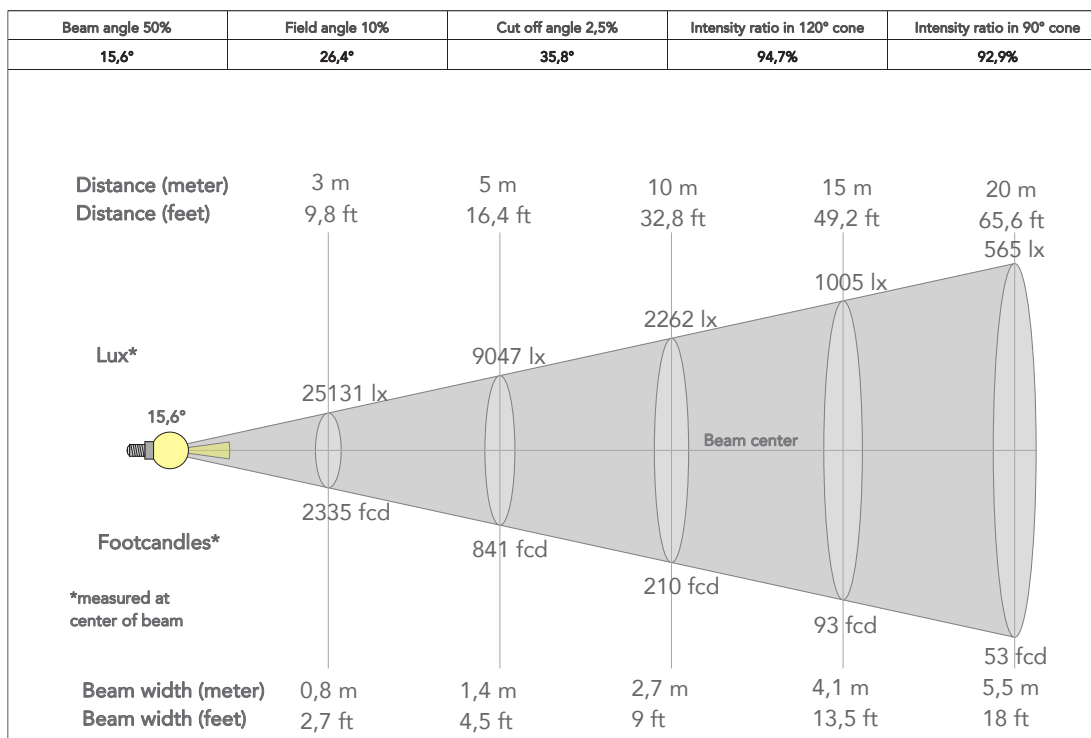
## ACCESSORIES & RELATED PRODUCTS

9513FXWL03	Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
9533FXWL03	Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m
958225L03	3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
C6040B	Aluminum clamp for 28mm spigot, 200kg load, 48-51mm tubes, black

ECLFR2KBD	Barn door with directional flaps to adjust the light beam
ECLFR2KTPG	Gel filter frame for ECLFR2K projectors
ECLFR5PG	Spigot for PROLIGHTS fixtures
FCLECLFR2K	Flight case for 3 pcs of ECLFR2K
RSR0630B	Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
TOUR53415L03	Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

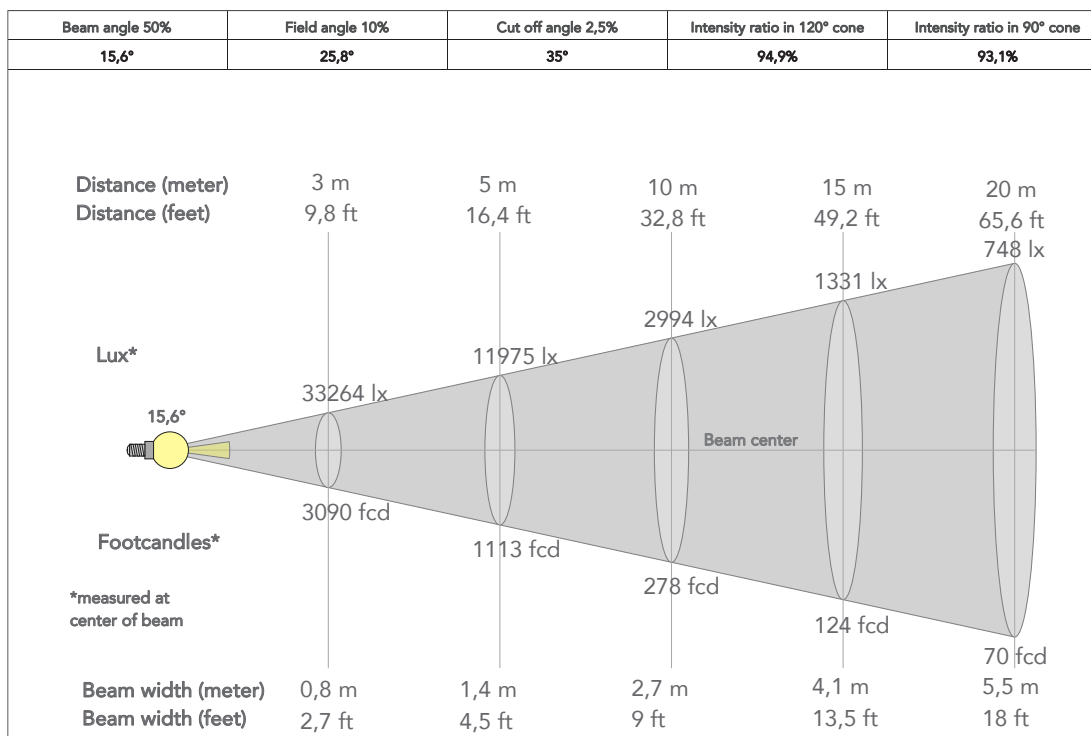
## (TU) PRESET FULL ON

Beam angle 50%: 15°

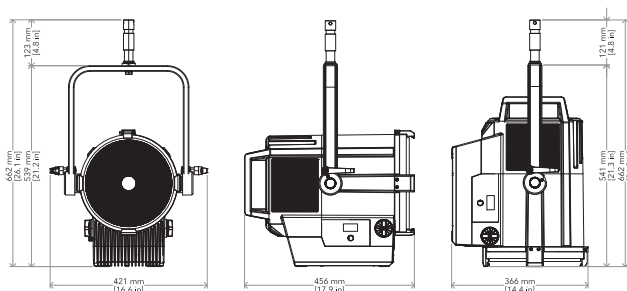


## (DY) PRESET FULL ON

Beam angle 50%: 15°



## TECHICAL DRAWINGS



## CERTIFICATIONS / APPROVALS



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