

EclFresnel TW

LED Fresnel FC and Tunable White with colour correction, to replace 1.000W lamp



EclFresnel TW is an advanced LED replacement of traditional 1.000W Fresnel lamps. Offering 6 colour mixing, delivering high precision reproduction of the white spectrum from 2.800 K to 10.000 K with high CRI and an extensive colour reproduction.

The optical system harnesses the power of a 260W custom LED with 6 colours to create an even projection, beautiful colours and precise white, with the option to apply +/- green and magenta correction to match other sources of light.

Featuring HD dimming and tuning from 2.800 K to 10.000 K version, the **EclFresnel TW** delivers the performance and quality of output demanded from this level of luminaire.

MAIN FEATURES

- Tunable White 2.800 K - 10.000 K with high CRI and extensive colour mixing
- +/- green and magenta white tuning
- Silent operation for studio and stage use

VERSIONS

Code	Housing
ECLFRESNELTW	Black
ECLFRESNELTWWH	White

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 260W 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)
- CCT: 2.800 K ~ 10.000 K
- Luminous flux: (17°) 4'653 lm - (57°) 7'896 lm @full
- Lux: (17°) 1'678 lx - (57°) 344 lx @5 m full
- CRI: 90 @3.200 K; 89 @5.600 K
- R9: 80 @3.200 K; 87 @5.600 K
- TLCI: 77 @5.600 K
- TM30 Rf: 87 @3.200 K; 81 @5.600 K
- TM30 Rg: 106 @3.200 K; 106 @5.600 K
- Source life expectancy: > 50.000 h

OPTICS

- Zoom: 17° - 57° half peak angle
- Lens diameter: 8" - 200 mm
- Lens type: Fresnel zoom lens
- Focus: manual

COLOUR SYSTEM

- Colour mixing: tunable white + colour
- CCT: CCT control, + / - green correction, tungsten emulation
- White presets: 2.800 K - 10.000 K
- Colour wheel: virtual colour wheel with macros
- Macros: several pre-build macros with adjustable speed

DYNAMIC EFFECTS

- Static colour mode: selection of static colour
- Manual colour mode: manual adjustment of intensity, CT, colour correction from knob
- 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

- Hardware on-board: filter frame, 8 doors barndoor, spigot
- Body: sturdy die-cast aluminium body
- Body colour: black, white finishing available

CONTROL

- Protocols: DMX512, RDM, rotatory knob
- DMX channels: 1 / 2 / 5 - 1 / 5 - 2 / 7 / 9 / 12 / 13 / 16 / 19 / 21 channel
- RDM: RDM ready 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 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° ~ +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: 260W
- Output (at 230V): 11 units on a single power line
- Power factor: >0,93

PHYSICAL

- 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
- IP rating: 20
- Dimensions (WxHxD): 283x440x343 mm
- Weight: 7,5 kg

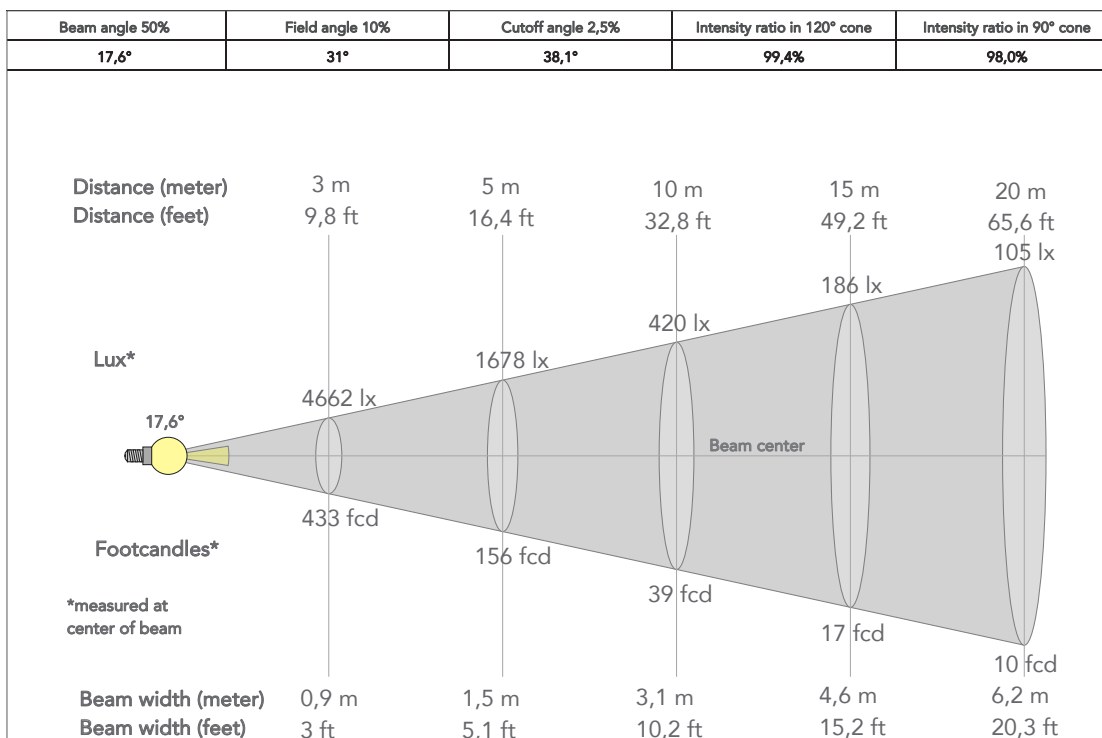
ACCESSORIES & RELATED PRODUCTS

- ECLFRSPG Spigot for PROLIGHTS Fresnel series (included)
- ECLFRSBD Barn door with directional flaps to adjust the light beam (included)
- FCLECLFRS Flight case for 4x ECLFRESNEL

- ECLFRSTPG Filter frame for ECLFRESNEL series (included)
- C6040B Heavy-load aluminum clamp, 500kg loa, 48-51mm tubes, M10 bolt inc., Black
- UPBOX1U Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

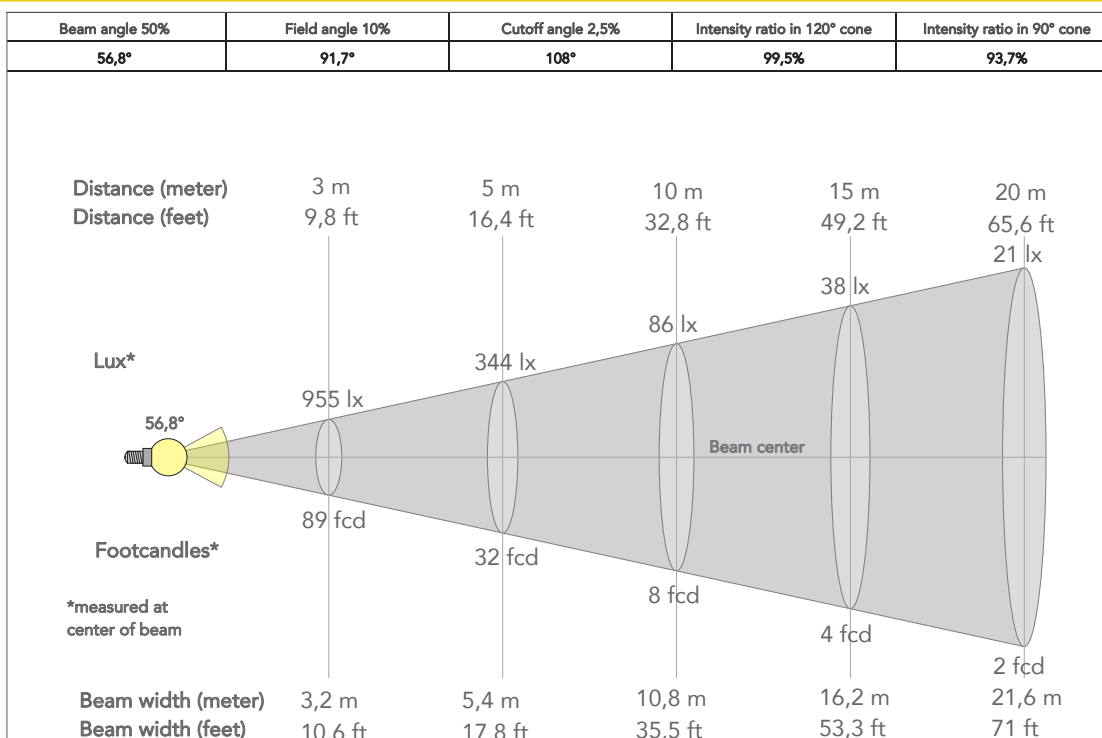
PRESET FULL ON

Beam angle 50%: 17°

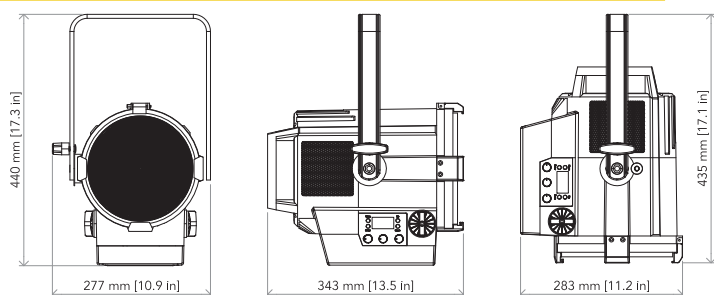


PRESET FULL ON

Beam angle 50%: 57°



TECHICAL DRAWINGS



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