

# EclFresnel PTW

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



**EclFresnel PTW** 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 260 W 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 PTW** 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
ECLFRESNELPTW	Black
ECLFRESNELPTWWH	White

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 260W 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)
- CCT: 2.800 K - 10.000K
- Luminous flux: (17°) 4'653 lm - (57°) 7'896lm @full
- Lux: (17°) 1'678 lx - (57°) 344lx @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° - 91° half peak angle
- Lens diameter: 8" - 200mm
- Lens type: Fresnel zoom lens
- Focus: manual

### COLOUR SYSTEM

- Colour mixing:
- CCT: CCT control, + / - green correction, tungsten emulation
- White presets: 2.800 K - 10.000K
- 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 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
- Pan angle: 360° with manual regulation
- Tilt angle: 340° with manual regulation

## 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

- Body: sturdy die-cast aluminium body
- Body colour: black, white finishing available
- Other: spigot 28 mm

### CONTROL

- Protocols: DMX512, RDM, rotatory knob
- DMX channels: 1 / 2 / 5 - 1 / 5 - 2 / 7 / 9 / 12 / 13 / 16 / 19 / 21channel
- RDM: RDM for remote monitoring and settings
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included
- 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

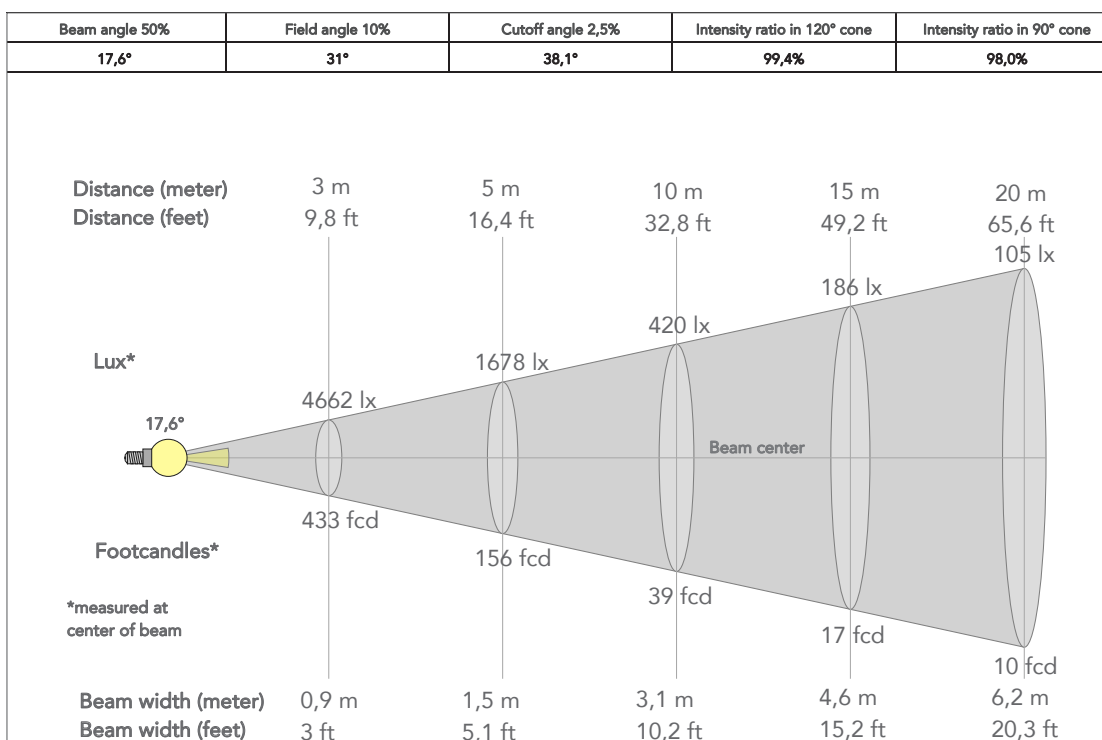
### PHYSICAL

- 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): 341x545x343mm
- Weight: 9,7kg
- CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, UKCA, RCM

▪ ECLFRSBD	Barn door with directional flaps to adjust the light beam
▪ ECLFRSPG	Spigot for PROLIGHTS Fresnel series
▪ ECLFRSTPG	Filter frame for ECLFRESNEL series
▪ 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

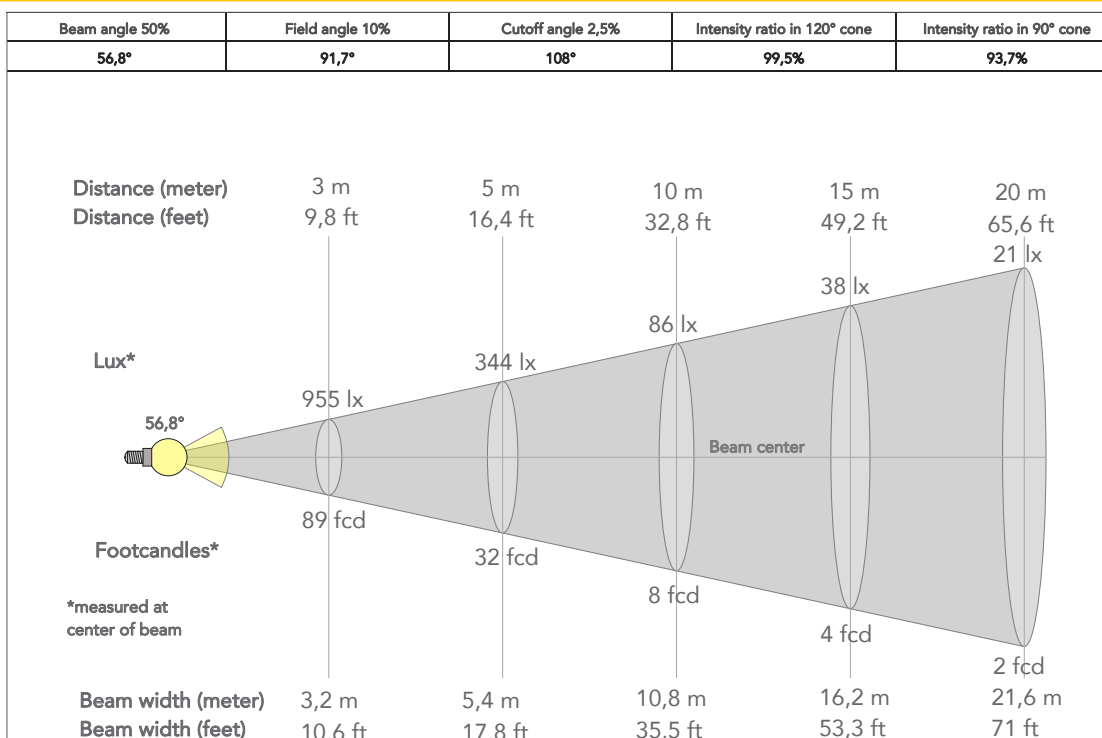
## PRESET FULL ON

Beam angle 50%: 17°

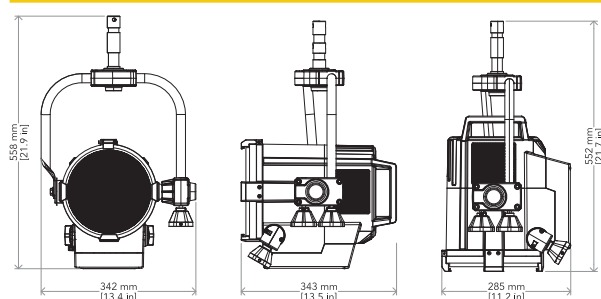


## PRESET FULL ON

Beam angle 50%: 57°



## TECHICAL DRAWINGS



## CERTIFICATIONS / APPROVALS



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