EclFresnel VW

250W Variable White LED Mini Fresnel (2,700K - 5,600K), with manual zoom 16° - 60°

The EclFresnel VW is a powerful LED Fresnel lamp, designed as a replacement for a 1,000W fixture, with a bright and high-quality variable-white light, from 2,700K to 5,600K, using a 250W LED source. Thi**s** is the perfect luminaire for those applications requiring high-quality white rendering, such as in TV studios, galleries, and virtual productions, with high CRI (>96), TLCI (>96), TM-30 and R9. The **EclFresnel** VW has a manual zoom range from 16° to 60°, with precise focusing, and an 8-leaf barndoor (included). This fixture has an intuitive user interface with rotatory knobs. It also has stand-alone settings, PowerCon True in & through connections and XLR in & through, offering an incredible user experience and easy setup.

MAIN FEATURES

- Linear white CCT, from 2,700K to 5,600K
- 250W Variable White LED with CRI >96; TLCI >96; high TM-30 and R9
- Barndoor, 28 mm spigot and filter frame included

VERSIONS

Code	Housing	Pole Operated
ECLFRESNELVWBK	Black	NO
ECLFRESNELVWBKPO	Black	YES
ECLFRESNELVWWH	White	NO
ECLFRESNELVWWHPO	White	YES

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 250W Variable White LED
- CCT: 2.700 K - 5.600K
- Luminous flux: (16°) 8’693 lm - (60°) 10’955lm @full
- Lux: (16°) 9’492 lx - (60°) 2’557lx @3 m full
- CRI: 95,5 @WW; 95,4 @CW; 94,2 @full
- R9: 97,7 @WW; 92,8 @CW; 81,8 @full
- TLCI: 97 @WW; 98 @CW; 98 @full
- TM30 Rf: >94 @WW; >92 @CW; >93 @full
- TM30 Rg: >103 @WW; >103 @CW; >104 @full
- Source life expectancy: > 50.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS

- Zoom: 16° - 60° half peak angle
- Lens diameter: 8’’ - 200mm
- Lens type: fresnel zoom lens

COLOUR SYSTEM

- Colour mixing: tunable white + colour
- CCT: CCT control through dedicated DMX channel
- White presets: 2.700 K - 5.600K
- Colour wheel: built-in white presets

DYNAMIC EFFECTS

- Control Resolution: 16-bit dimmer, colours
- Static mode: selection of static dimmer and color temperature
- Manual mode: manual adjustment of intensity and CT from knob
- Auto mode: built-in programs with execution speed adjustment

BODY

- Hardware on-board: filter frame, 8 doors barndoor, spigot
- Body: sturdy die-cast aluminium body
- Body colour: RAL 9004 or RAL 9003

CONTROL

- Protocols: DMX512, RDM
- Stand Alone: 3 rotatory knobs
- DMX channels: 1 / 2 / 4 / 5 / 11channel
- RDM: RDM for remote monitoring and settings
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included

ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Operating temperature: -20° ~ +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: 250W
- Output (at 230V): 14 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): 283x440x343mm
- Dimensions with PO system (WxHxD): 341x545x343mm
- Weight: 7,8kg
- Weight with PO system: 10kg

CERTIFICATIONS / APPROVALS

- Certifications / Approvals: CE, UKCA, RCM

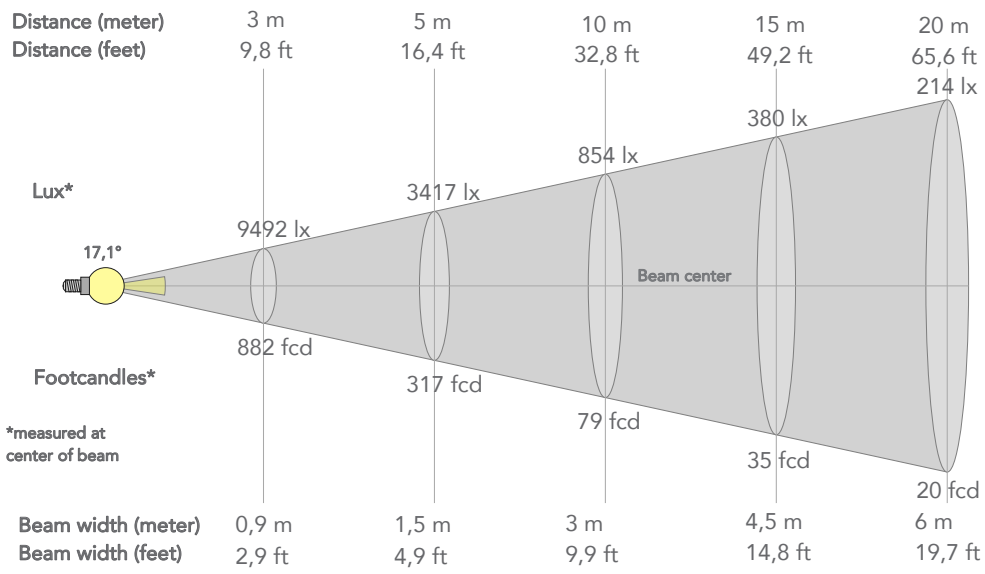
ACCESSORIES & RELATED PRODUCTS

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
ECLFRSPG	Spigot for PROLIGHTS Fresnel 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
ECLFRSBD	Barn door with directional flaps to adjust the light beam
FCLECLFRS	Flight case for 4x ECLFRESNEL
ECLFRSTPG	Filter frame for ECLFRESNEL series
UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

PRESET FULL ON

Beam angle 50%: 16°

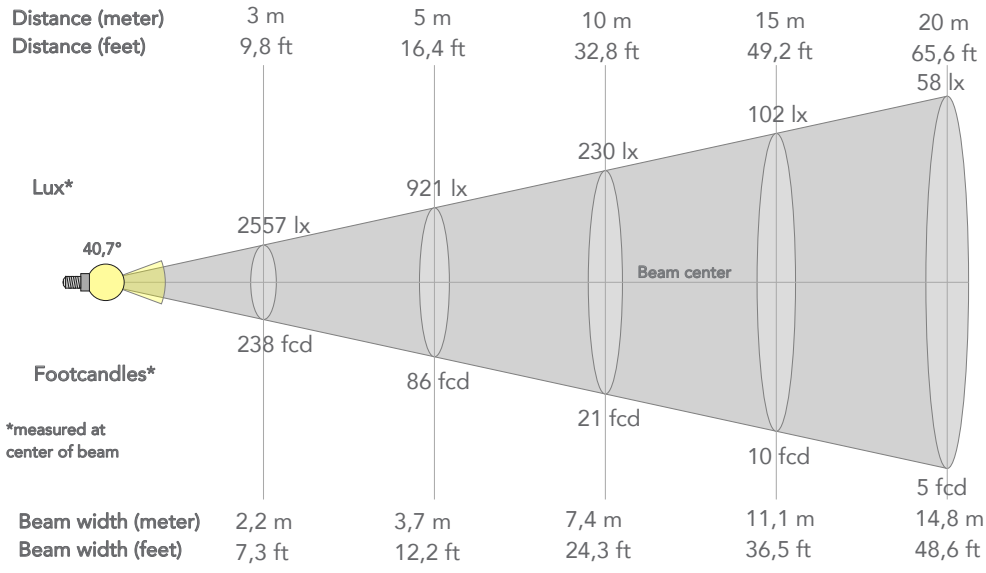
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,1°	29,5°	38,8°	100,0%	99,5%



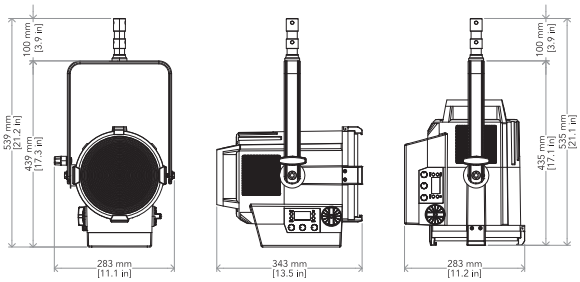
PRESET FULL ON

Beam angle 50%: 60°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,7°	64,4°	77,8°	99,9%	99,2%



TECHICAL DRAWINGS



CERTIFICATIONS / APPROVALS

Conforms to UL STD. 1573
Certified to CSA STD: C22.2 NO. 166

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tech documentations

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