EclFresnel 2KTW

LED Fresnel FC and Tunable White with colour correction, to replace 2.000 W lamp
ORDER CODE: **ECLFR2KTW**

EclFresnel 2KTW is an advanced LED replacement of traditional 2.000 W 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 extensive colour reproduction.
The optical system harnesses the power of a 507 W custom LED with 6 colours to create an even projection, beautiful colours and precise whites, with the option to apply +/- green and magenta correction to match other light sources.
Featuring HD dimming and tuning from 2.800 K to 10.000 K, the **EclFresnel** 2KTW delivers both on performance and quality of output that is demanded from this level of light.

MAIN FEATURES

- Tunable white 2.800 K - 10.000 K with high CRI and extensive colour mixing
- +/- green and magenta white tuning
- Truly silent operation making it perfect for studio and stage use

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 507 W 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)
- CCT: 2.800 K - 10.000 K
- CRI: up to 91
- R9: up to 94
- Luminous flux: (16°) 10'107 - (52°) 13'396 lm
- Lux: (16°) 10'733 lx - (52°) 1'972 lx @3 m full
- Lux: (16°) 3'864 lx - (52°) 710 lx @5 m full
- Source life expectancy: > 70.000 h
- Other: TM30-15RF: 88 / 107 - TLCI: 90,8

OPTICS
- Zoom: 16° - 52° manual
- Lens diameter: 250 mm
- Lens type: fresnel zoom lens
- Other: spigot, barn door and gel frame included

COLOUR SYSTEM
- Colour mixing: 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)
- CTC: CTC control through independent DMX channel, + / - green and magenta correction and amber shift activation by DMX
- White presets: 2.800 K - 10.000 K
- Colour wheel: virtual colour wheel with presets
- 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 from a white to any color and CTO applied on colours

BODY
- Hardware on-board: included filter frame, 8 doors barndoor, omega bracket spigot
- Body: sturdy die-cast aluminium body conceived for long-time durability
- Body colour: black

CONTROL
- Protocols: DMX512, RDM, local knob
- DMX channels: 1 / 2 / 5 - 1 / 5 - 2 / 7 - 1 / 7 - 2 / 8 / 9 / 12 / 13 / 16 / 19 / 21 channel
- RDM: RDM ready for fixture remote monitor and settings
- Display: black OLED high resolution display
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included
- Master/Slave: for synchronized operation of more units linked in a chain
- Other: 16 bit control of dimmer and colour

ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 different dimming curves available
- Strobe / shutter: 1 - 30 Hz, electronic
- Operating temperature: -10° ~ +45°
- Flicker: flicker free frequency with adjustable PWM
- Selectable PWM: 600 ~ 25.000 Hz

ELECTRICAL
- Power consumption:
- Power supply: 100-240 V – 50/60 Hz
- Power consumption (at 230 V): 393 W
- Power consumption (at 120 V): 386 W
- Output (at 230 V): 5 units on a single power line
- Output (at 120 V): 2 units on a single power line
- Power factor: pF 0,95 @230 V - pF 0,99 @120 V

PHYSICAL
- Cooling: combination of heat pipe cooling system and low noise fan
- Sospension and fixing: hanging bracket suitable for safe hanging and positioning
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- IP rating: 20
- Dimensions (WxHxD): 421x537x45 6mm
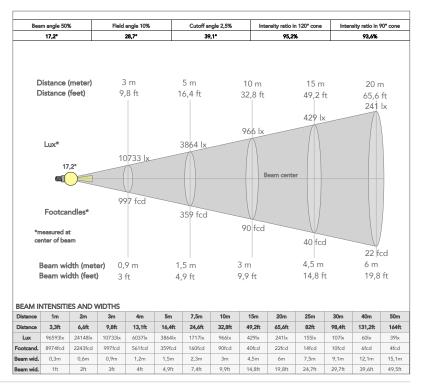- Weight: 15,8 kg

ACCESSORIES & RELATED PRODUCTS

- ECLFR2KTPG: Gel filter frame for ECLFR2K projectors (included)
- ECLFRSPG: Spigot for PROLIGHTS Fresnel series (included)

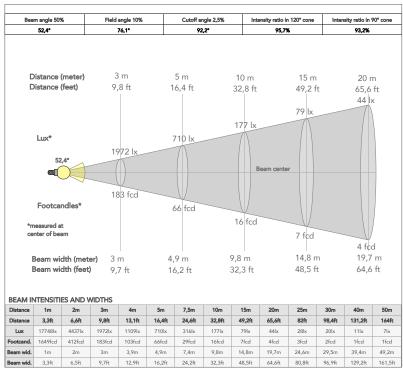- UPBOX1U: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT, USB OUT
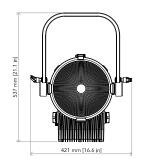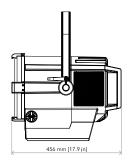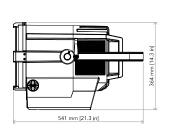
COLOUR PRESET FULL ON

Beam angle 16°

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,2°	28,7°	39,1°	95,2%	93,6%

Distance (meter) — 3 m / 5 m / 10 m / 15 m / 20 m
Distance (feet) — 9,8 ft / 16,4 ft / 32,8 ft / 49,2 ft / 65,6 ft

17,2°

Lux*: 10733 lx / 3864 lx / 966 lx / 429 lx / 241 lx

Beam center

Footcandles*: 997 fcd / 359 fcd / 90 fcd / 40 fcd / 22 fcd

*measured at center of beam

Beam width (meter): 0,9 m / 1,5 m / 3 m / 4,5 m / 6 m
Beam width (feet): 3 ft / 4,9 ft / 9,9 ft / 14,8 ft / 19,8 ft

BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	96593lx	24148lx	10733lx	6037lx	3864lx	1717lx	966lx	429lx	241lx	155lx	107lx	60lx	39lx
Footcand.	8974fcd	2243fcd	997fcd	561fcd	359fcd	160fcd	90fcd	40fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3m	4,5m	6m	7,5m	9,1m	12,1m	15,1m
Beam wid.	1ft	2ft	3ft	4ft	4,9ft	7,4ft	9,9ft	14,8ft	19,8ft	24,7ft	29,7ft	39,6ft	49,5ft

COLOUR PRESET FULL ON

Beam angle 52°

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,4°	76,1°	92,2°	95,7%	93,2%

Distance (meter) — 3 m / 5 m / 10 m / 15 m / 20 m
Distance (feet) — 9,8 ft / 16,4 ft / 32,8 ft / 49,2 ft / 65,6 ft

52,4°

Lux*: 1972 lx / 710 lx / 177 lx / 79 lx / 44 lx

Beam center

Footcandles*: 183 fcd / 66 fcd / 16 fcd / 7 fcd / 4 fcd

*measured at center of beam

Beam width (meter): 3 m / 4,9 m / 9,8 m / 14,8 m / 19,7 m
Beam width (feet): 9,7 ft / 16,2 ft / 32,3 ft / 48,5 ft / 64,6 ft

BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17748lx	4437lx	1972lx	1109lx	710lx	316lx	177lx	79lx	44lx	28lx	20lx	11lx	7lx
Footcand.	1649fcd	412fcd	183fcd	103fcd	66fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1m	2m	3m	3,9m	4,9m	7,4m	9,8m	14,8m	19,7m	24,6m	29,5m	39,4m	49,2m
Beam wid.	3,3ft	6,5ft	9,7ft	12,9ft	16,2ft	24,2ft	32,3ft	48,5ft	64,6ft	80,8ft	96,9ft	129,2ft	161,5ft

TECHICAL DRAWINGS

537 mm [21.1 in]
421 mm [16.6 in]
456 mm [17.9 in]
541 mm [21.3 in]
364 mm [14.3 in]

For more product info and downloads visit our website

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