EclFresnel 2KTW

ORDER CODE: **ECLFR2KTWWH**



VERSIONS

	Code	Finishing
	ECLFR2KTW	Black
	**ECLFR2KTWWH**	**White**

SOURCE
500W 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)

ZOOM RANGE
17° - 76° manual

IP RATING
IP20

WEIGHT
17,2kg / 37.92lbs

LUMINOUS FLUX (MAX)
10'100 lm

CRI
89 @3.200 K

Downloaded on 09/11/2026 - data may be provisional: features, specifications and appearance are subject to change without notice

TECHNICAL SPECIFICATIONS

LIGHT SOURCE

Source:	500W 6 colour custom LEDs source (red, orange, green, royal blue, blue, lime)
Source CCT:	2.800 K - 10.000K
Luminous flux:	(17°) 10'100 lm - (76°) 13'400 @Full
Lux:	(17°) 3'864 lx - (76°) 710lx @5 m full
CRI:	89 @3.200 K; 90,7 @5.600 K
R9:	80 @3.200 K; 85,4 @5.600 K
TLCI:	87 @5.600 K
TM30 Rf:	89,4 @3.200 K; 86,2 @5.600 K
TM30 Rg:	101,6 @3.200 K; 102,1 @5.600 K
Source life expectancy:	> 50.000 h

OPTICS

Zoom range:	17° - 76° manual
Lens diameter:	250mm
Lens type:	fresnel zoom lens
Other:	spigot, barndoor and gel frame included

COLOUR SYSTEM

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

CONTROL

Supported Protocols:	DMX512, RDM, rotatory knob
DMX channels:	1 / 2 / 5 - 1 / 5 - 2 / 7 - 1 / 7 - 2 / 8 / 9 / 12 / 13 / 16 / 19 / 21ch
RDM:	for remote addressing and parameter configuration
Display:	Graphic User Interface
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
Selectable PWM:	600 to 25,000 Hz (selectable steps)
Firmware upgrade with:	via DMX with UPBOXPRO/ UPBOX1 (not included)

CONNECTIONS

Power connection:	Neutrik powerCON TRUE1 IN/OUT connectors
Signal connection:	Amphenol XLR 5p IN/OUT connectors

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TECHNICAL SPECIFICATIONS

ELECTRICAL

Mains power supply:	100-240V - 50/60Hz
Max power consumption (230V):	400W
Output (at 230V):	5 units on a single power line
Power factor:	>0,93

PHYSICAL

IP rating:	IP20
Cooling:	heat pipe with low-noise fan
Housing:	Sturdy die-cast aluminium body
Finish:	black (RAL 9004) or white (RAL 9010)
Operating temperature:	Ta -10 to +45 °C (+14 to +113 °F)
Dimensions (WxHxD):	421x537x456mm
Dimensions with PO system (WxHxD):	401x691x456mm
Weight:	17,2kg
Weight with PO system:	18kg

INSTALLATION

Suspension and fixing:	bracket for hanging and floor positioning
Hardware on-board:	filter frame, 8-leaf barndoor and spigot

CERTIFICATIONS / REPORTS

Compliance:	CE, UKCA, RCM

BOX CONTENT

1 x ECLFR2KTW

1 x ECLFR2KBD

1 x ECLFRSPG

1 x ECLFR2KTPG

1 x 1,5 meters 3G1,5mmq power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65 power connector)

ACCESSORIES & RELATED PRODUCTS



FCLECLFR2K

Flight case for 3 pcs of ECLFR2K



ECLFR2KBD

Barn door with directional flaps to adjust the light beam



ECLFR2KTPG

Gel filter frame for ECLFR2K projectors



ECLFRSPG

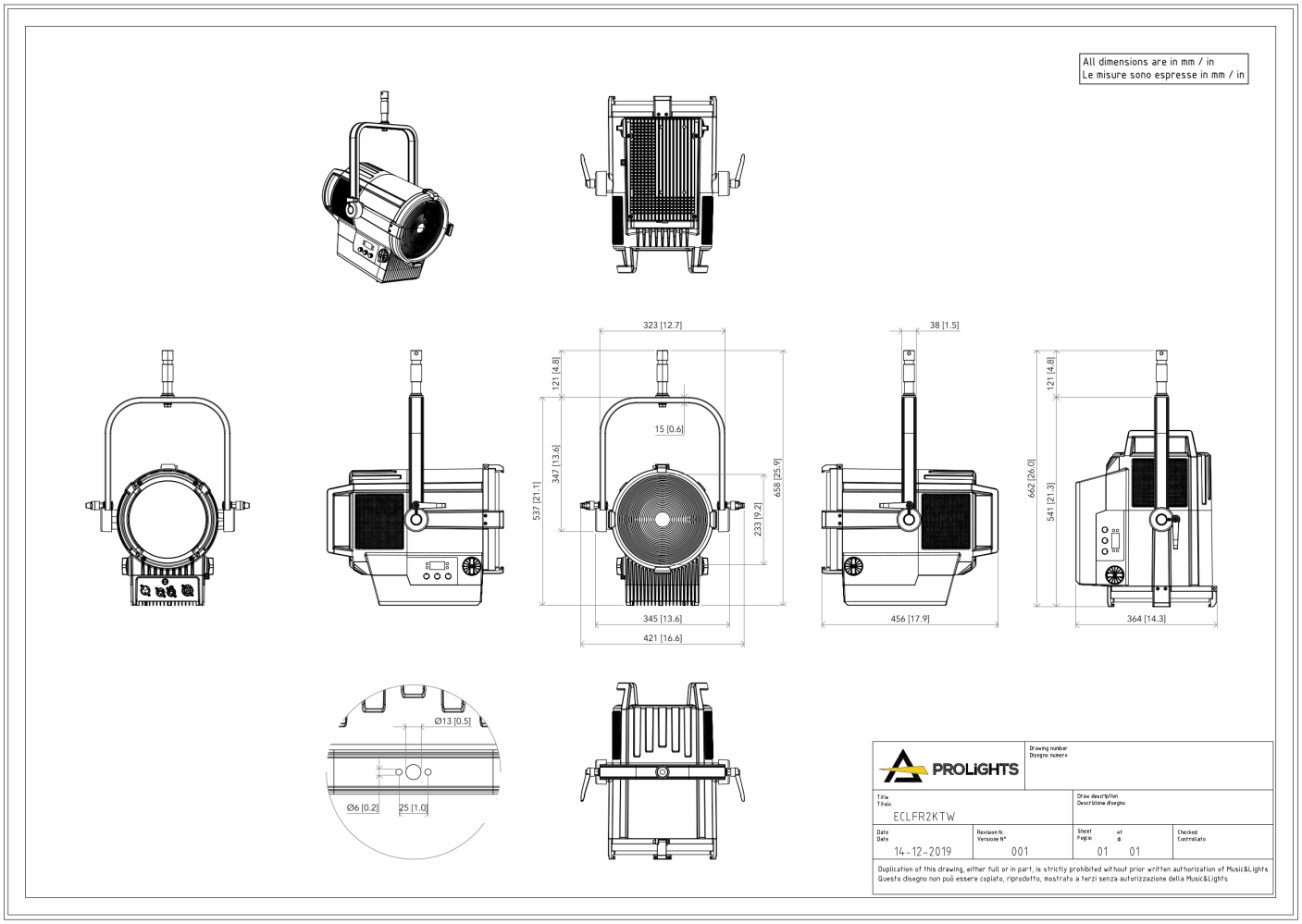
Spigot for PROLIGHTS fixtures



UPBOXPRO

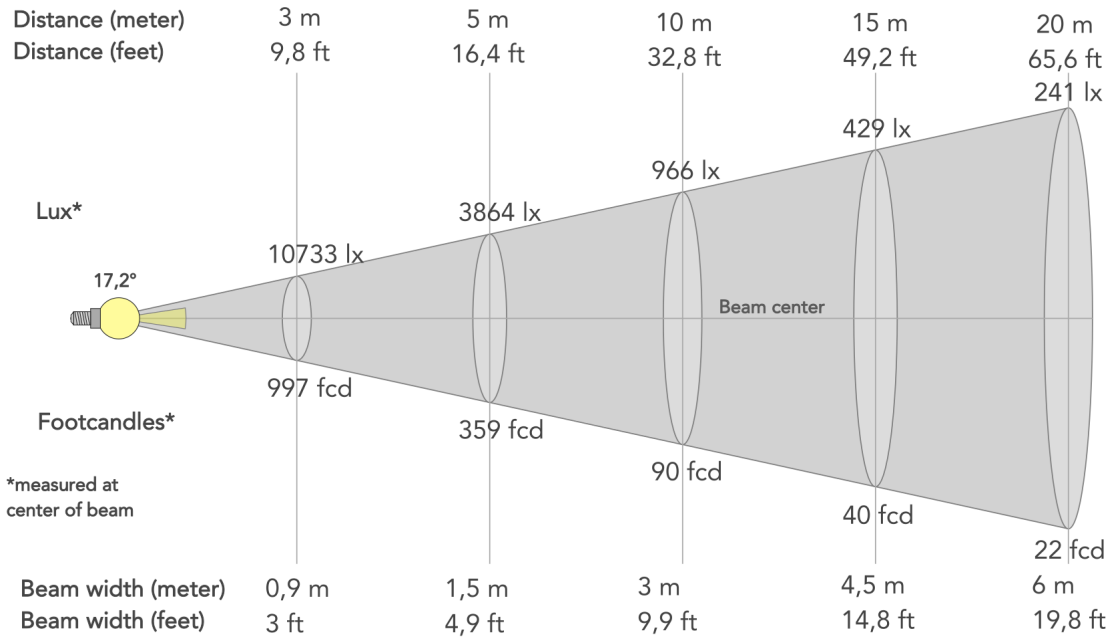
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

TECHNICAL DRAWINGS



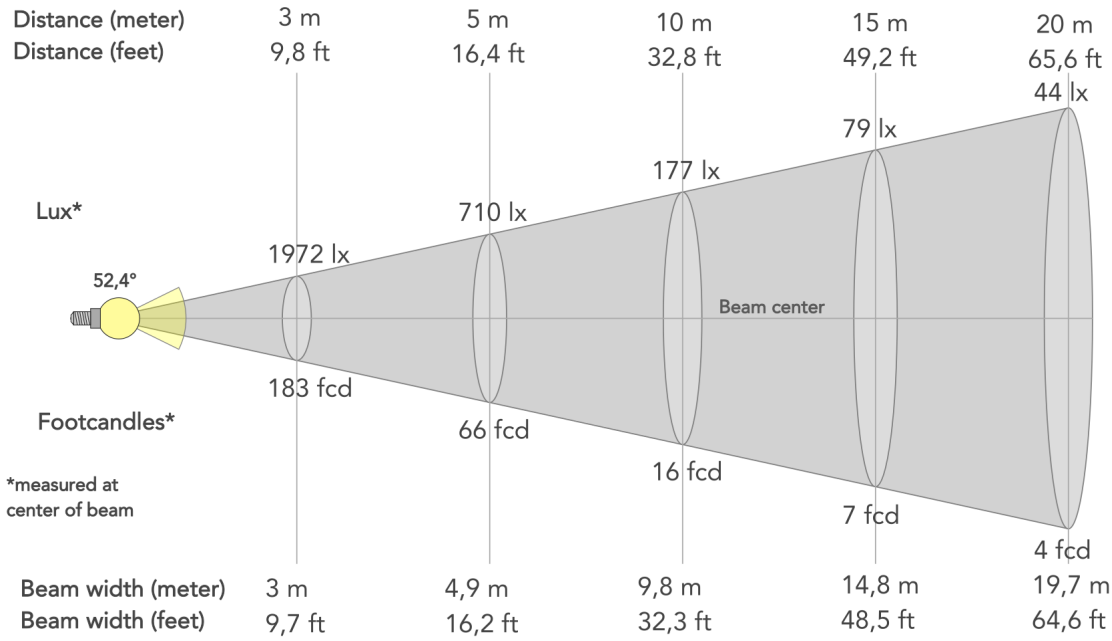
PHOTOMETRICS

Full on - Min Zoom



Beam angle (50%): **17.2°**	Field angle (10%): **28.7°**	Cut-off angle (2.5%): **39.1°**

Full on - Max Zoom



Beam angle (50%): **52.4°**	Field angle (10%): **76.1°**	Cut-off angle (2.5%): **92.2°**