EclMiniFresnel FC

ORDER CODE: MINIECLFRFC



SOURCE	ZOOM RANGE	IP RATING
70W RGB+Lime LEDs (driven @ 30W)	24° - 113° manual	IP20

WEIGHT	LUMINOUS FLUX (MAX)	CRI
2,52kg / 5.56lbs	151 lm	81 @6.000 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:	70W RGB+Lime LEDs (driven @ 30W)
Source CCT:	2.800 K - 8.000K
Luminous flux:	(24°) 151 lm - (113°) 732 @Full
Lux:	(24°) 27 lx - (113°) 18lx @5 m full
CRI:	81 @6.000 K
R9:	91 @6.000 K
TLCI:	80 @6.000 K
TM30 Rf:	80 @6.000 K
TM30 Rg:	104 @6.000 K
Source life expectancy:	> 50.000 h

OPTICS

Zoom range:	24° - 113° manual
Lens diameter:	100mm
Lens type:	Fresnel zoom lens
Additional optics:	20° filter on board
Other:	spigot not included; gel frame and barndoors included

COLOUR SYSTEM

CCT:	CCT control through dedicated DMX channel and amber shift activation by DMX
White presets:	2.800 K - 8.000K
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 colour
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 / 3 / 4-1 / 4-2 / 5 / 9 / 6 / 7 / 9-1 / 9-2 / 12 / 14 / 17ch
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:	bare end connection
Signal connection:	DMX 5p IN/OUT

ELECTRICAL

Mains power supply:	100-240V - 50/60Hz
Max power consumption (230V):	30W
Output (at 230V):	35 units on a single power line
Power factor:	>0,55

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TECHNICAL SPECIFICATIONS

PHYSICAL

IP rating:	IP20
Cooling:	fan-free with natural convection
Housing:	Sturdy die-cast aluminium body
Finish:	black
Operating temperature:	Ta -10 to +40 °C (+14 to +104 °F)
Dimensions (WxHxD):	191x281x203mm
Weight:	2,52kg

INSTALLATION

Suspension and fixing:	bracket for hanging and floor positioning

CERTIFICATIONS / REPORTS

Compliance:	CE, UKCA, RCM

BOX CONTENT

1 x MINIECLFRFC

1 x MINIECLFRBD

1 x MINIECLFRTPG

ACCESSORIES & RELATED PRODUCTS



ECLFRSPG

Spigot for PROLIGHTS fixtures



MINIECLFRBD

Black&White& White barn door 4 directional flaps to adjust the light beam, black



MINIECLFRTPG

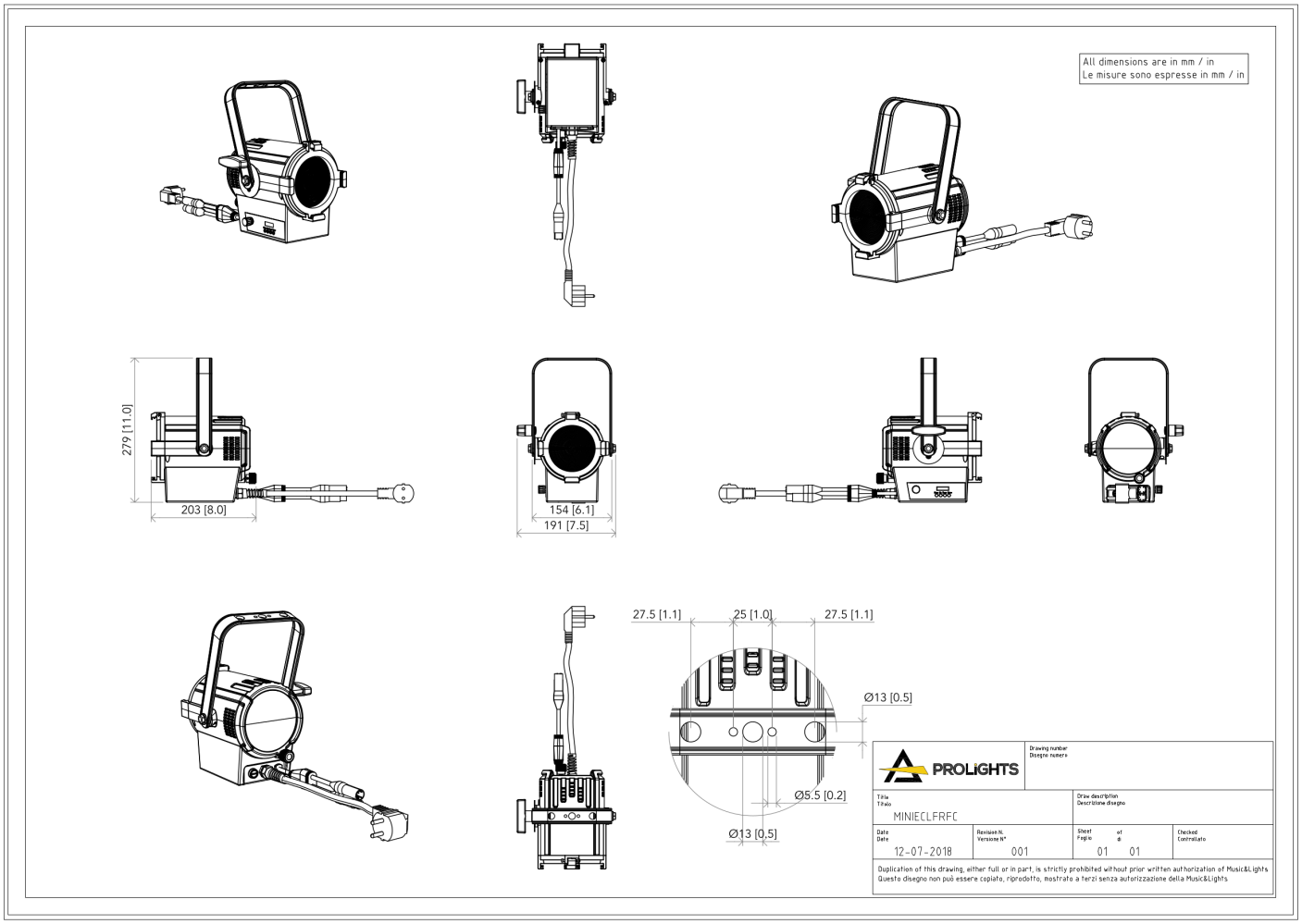
Filter frame for MINIECLFR series



UPBOXPRO

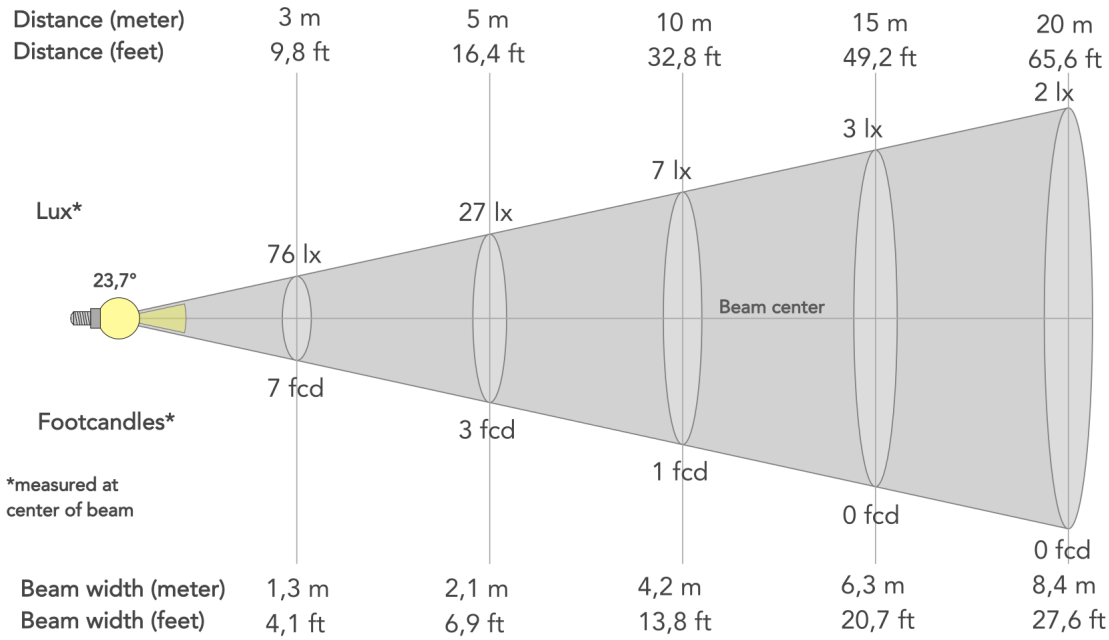
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

TECHNICAL DRAWINGS



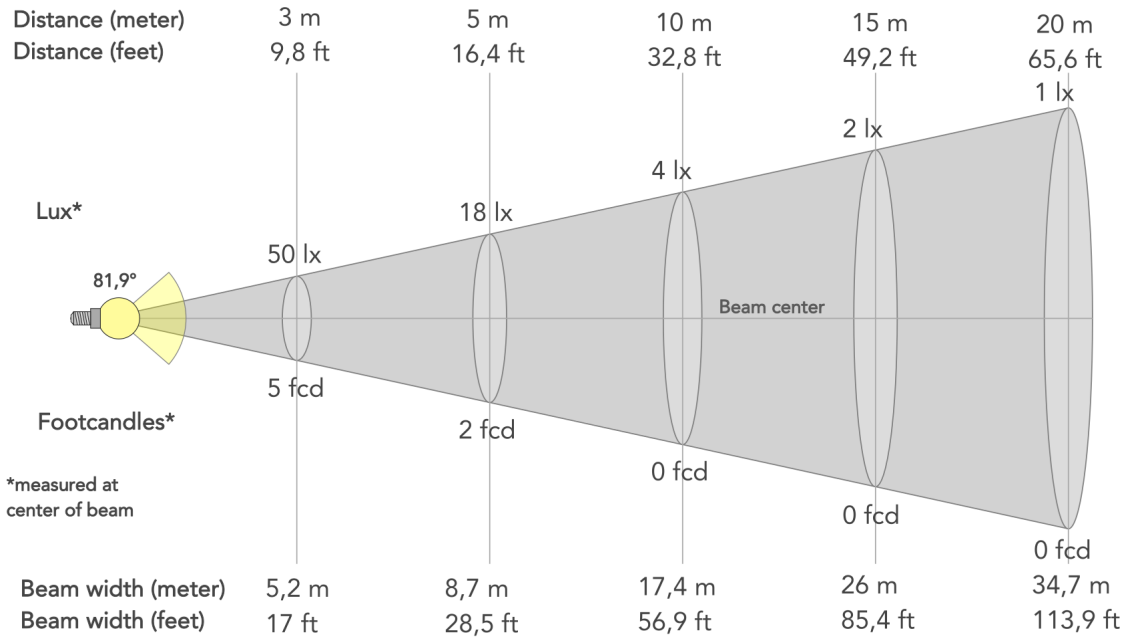
PHOTOMETRICS

Full on - Min Zoom



Beam angle (50%): **23.7°**	Field angle (10%): **44.4°**	Cut-off angle (2.5%): **62.6°**

Full on - Max Zoom



Beam angle (50%): **81.9°**	Field angle (10%): **113.6°**	Cut-off angle (2.5%): **126.2°**