

STUDIO LED

X1 PLUS

BI-COLOR

Studio LED X1 Plus BI-COLOR

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The **Studio LED X1 PLUS** is an **ultra-compact** LED Fresnel spotlight specifically designed for small studios, radios, Web TV, galleries, independent content creators.

Inside the midget and lightweight die-cast body there is the **proven Studio LED X Series technology** with **integrated power supply** that makes this lantern a professional fixture to satisfy the most demanding specifications of lighting professionals.

CCT is adjustable from 2800 K to 6500 K with excellent color rendition over the entire range, perfectly adjusted to skin tones, camera sensors and ambient light.

The **user interface** is designed to be **extremely user friendly**: dimming and CCT are controlled on board by a push encoder and remotely via DMX RDM, the high resolution LCD graphic display reports the system status, led temperature, fan setting, dimming level, current DMX settings, active effects.

The **traditional high-quality glass Fresnel lens** reproduces the same soft-edged beam of light as a traditional Fresnel fixtures with an excellent barndoor cutting. The beam can be manually adjusted from spot to flood to all intermediate positions.

Other features include: professional lighting effects, mini USB port for firmware updates, XLR 5 pin connector DMX-RDM in/through, powerCon True1 top in.

The **lighting effects** include: candle, strobe, thunder, paparazzi, neon, television, progress and more. Most effects have several parameters that allow for customization of the effect to fit user needs.

Preset PWM frequencies from 1000 Hz to 20 kHz ensure **flicker-free operation**, even for high-speed camera settings.



Investing in LED fixtures brings immediate benefits in terms of savings: dramatically **reduced power consumption**, **50,000+ hours LED engine life** vs 150 hours of a traditional halogen lamp, **reduced AC requirements**, **no dimmers required**, **practically no maintenance and spare parts required** thanks to the lack of heat.

Main features

LCD GRAPHIC DISPLAY

High-resolution LCD graphic display to operate and control system status, led internal temperature, current DMX settings, dimming level both in remote and manual mode, and display standby.

BUILT-IN UNIVERSAL POWER SUPPLY

More compact for easy operation.

ON-BOARD CONTROL

On-board push encoder to control the dimming level and CCT adjustment.

ON-BOARD DMX RDM CONTROL

The RDM standard provides bi-directional feedback and the possibility to remotely assign and address all the fixtures in a DMX network.

16-bit ELECTRONIC DIMMING

Fully dimmable 0 – 100%. The 16-bit electronic driver ensures accurate and precise dimming.

ON-BOARD USB-PORT

On-board USB port for firmware upgrade, diagnostic testing, and parameters setting via PC dedicated software.

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PLUS is MORE
Powerful. Brighter. Effortless.

Technical features

Operational Data

Source	Tunable White Led engine
Power consumption	35 W
Supply voltage	80 – 260 Vac, 50 – 60 Hz, autosensing
Led engine lifetime	50.000 hours with 70% lumen output
Tilt recommended angle of use	-90° / 0° / 90°
Focus adjustment	Manual rear focus knob and direct adjustment drive focus mechanism
Barndoor diameter	110 mm
Body	Rugged die-cast construction Black epoxy powder finishing
IP rating	IP 20
Max operating ambient temperature	0° - 40°

Optical Data

Lens	Fresnel 80 mm Ø, low expansion borosilicate Glass material
Beam angle	8° to 68°
Correlated Color Temperature	Adjustable from 2800 K to 6500 K
CRI	> 95 at 3200 K, > 93 at 5600 K

Mechanical Data

Cooling	High-efficiency convection cooling, super silent fan, presetting fan speed
MO mounting	Manual U-shape flat stirrup with 16 mm (5/8") socket
Rail mounting	Optional Track-mount with factory installed adapter EUTRAC compatible

Electrical

Dimming	Electronic 8-16 bit, 0 – 100% fully adjustable
Control	Local via push encoder and buttons Remote via DMX-RDM Setting, addressing and testing via control panel, via RDM, and via USB port
Signal connection	DMX In and Through 5-Pin XLR connectors USB port for firmware and software upgrade
Power connection	Neutrik powerCON TRUE1 IN Plugs and customized cables upon request
Cabling	Power cord 3 m bare end Plugs and customized cables upon request

Physical

Dimensions (WxHxD)	172x310x188 mm
Weight (head)	1.85 kg

Photometrics - Lux values

Typical performance based on 3200 K

Distance (m)	3	4	5	7	9
Spot 8°	1410	793	508	259	157
Flood 68°	167	94	60	31	19

Typical performance based on 5600 K

Distance (m)	3	4	5	7	9
Spot 8°	1650	928	594	303	183
Flood 68°	175	98	63	32	19

Accessories

28040
Four-leaf rotating barndoor
110 mm Ø supplied as
standard in the fixture

C500
Pelican gaffer grip
with 16 mm spigots

28080
Colour frame
110 mm Ø

FF3870
Steel safety cable
2.5 mm Ø - 70 cm
length

28301
Scrim set (one double, one
single scrim, one half double scrim,
one half single scrim) 110 mm Ø

RC 212B
Aluminium stand, 3 risers,
90/280 cm, 16 mm spigot,
black, 5 kg load

RC 282
Stage clamp 52 mm Ø
with 12 mm hole and
16 mm spigot

Technical specifications and data are provided for guidance only. Due to improvement in technology and/or in products, all product, specs and data are subject to change without notice. COSMOLIGHT accepts no liability for any errors, inaccuracies or incompleteness contained herein.

QUARTZCOLOR

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