STUDIO LED
X2 PLUS
BI-COLOR

The **Studio LED X Series PLUS BI-COLOR** is a high performing professional LED Fresnel range for broadcast and studio applications.

With the features of the renowned QUARTZCOLOR Fresnel spotlights and the latest progress in LED technologies, the **Studio LED X Series PLUS BI-COLOR** is the innovative Fresnel range that provides the ability to regulate the color temperature from **a minimum of 2700°K to a maximum of 6500°K**. The Dimming and the CCT are controlled by two different potentiometers, and the high lumen density COB LED array allows true color reproduction and a pure, bright, and consistent white light.

One-for-one replacement

A high performing professional range of LED Fresnels whose light output is equivalent to a traditional halogen source and permits a one-for-one replacement without compromises in the quality of the light: same brightness, same smoothness, same even and shadowless illumination as a traditional Fresnel spotlight.

Quality and Reliability over time

Only top quality components and special high-temperature treatments to deliver a high-quality, rugged, long-lasting lighting fixtures that will perform for years. Easy to service and maintain, designed and manufactured in Italy.

> Investing in LED fixtures brings immediate benefits in terms of savings: dramatically r**educed 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 potentiometer to control the dimming level.

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

Power consumption	60 W
Supply voltage	80 – 260 Vac, 50 – 60 Hz, autosensing
Tilt recommended angle of use	-90° / 0° / 90°
Focus adjustment	Manual rear focus knob and direct adjustment drive focus mechanism (MO VERSION) Pole operated side mounted gear box and focus adjustment mechanism positioned on side of the unit (PO VERSION)
Barndoor diameter	169 mm
Safety mesh	Stainless steel safety mesh 25 mm x 25 mm
IP rating	IP 20
Max operating ambient temperature	0° - 40°

Optical Data

Lens	Fresnel 130 mm ∅, low expansion borosilicate Fresnel lens on spring Teflon supports
Beam angle	12° to 48°
Correlated Color Temperature	From 2700 K to 6500 K
CRI	> 90

Mechanical Data

Cooling	High-efficiency convection cooling, super silent fan, 3 presetting fan speed
MO mounting	Manuall U-shaped flat stirrup with 16 mm (5/8") socket
PO mounting	Pole Operated U-shaped stirrup, pan & tilt clutch gear mechanism for manual override, 28 mm (1 1/8") spigot

Electrical

Dimming	Electronic 16-bit, 0 – 100% fully adjustable
Control	Local via potentiometer, Remote via DMX-RDM. Setting, addressing and testing via control panel, via RDM, and via USB port
Connections	DMX In and Through 5-Pin XLR, USB port for firmware and software upgrade
MO version	In-line switch, 3 m bare ended cable Plugs and customized cables upon request
PO version	1,5 m bare ended cable Plugs and customized cables upon request

Dimensions

Weight (head)	3.5 kg manual version 5.0 kg pole op version

Photometrics

Typical performance based on 3200 K

Distance (m)	3	4	5	7	9
Spot 10°	2030	1142	731	373	226
Flood 49°	350	197	126	64	39

Typical performance based on 5600 K

Distance (m)	3	4	5	7	9
Spot 10°	2300	1294	828	422	256
Flood 49°	394	222	142	72	44

Accessories

28048
Four-leaf rotating barndoor 169 mm ∅ supplied as standard in the fixture

28047
Colour frame 170 mm ∅

28309
Scrim set (one double, one single scrim, one half double scrim, one half single scrim) 170 mm ∅

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

C100
Junior pipe clamp with 28 mm socket

FF3870
Steel safety cable 2.5 mm ∅ - 70 cm lenght

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

1005BAC
Aluminium stand, 2 risers, 118/273 cm, air cushioned, 16 mm socket, black, 10 kg load

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.

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