STUDIO LED
X4PLUS
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 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 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.

QUARTZCOLOR

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PLUS is MORE
Powerful. Brighter. Effortless.

Technical features

Operational Data

Power consumption	150 W
Supply voltage	90 – 260 Vac, 50 – 60 Hz, autosensing
Tilt recommended angle of use	-90° / 0° / 90°
Focus adjustment	Stainless steel, maintenance-free wire focus mechanism
Barndoor diameter	270 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 175 mm Ø, low expansion borosilicate Fresnel lens on spring Teflon supports
Beam angle	10° to 50°
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	Manual U-shaped stirrup with lateral thrust bearing and lock off knob for quick and secure locking, 28 mm (1 1/8")
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, Variable CCT (2700 K to 6500 K)
Control	Local via two potentiometers (dimming and CCT), 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 10 A / 250 V, 5 m bare ended cable, 3 x 1.5 mm² section cable Plugs and cables upon request
PO version	2 m bare ended, 3 x 1.5 mm² section cable Plugs and cables upon request

Dimensions

Weight (head)	9.3 kg manual version 10.3 kg pole op version

Photometrics

Typical performance based on 3200 K

Distance (m)	3	4	5	7	9
Spot 10°	6890	3876	2480	1265	765
Flood 50°	1070	602	385	196	119

Typical performance based on 5600 K

Distance (m)	3	4	5	7	9
Spot 10°	8080	4545	2909	1484	898
Flood 50°	1250	703	450	229	139

Accessories

28050
Four-leaf rotating barndoor - 270mm Ø

28859
Colour frame - 260mm Ø

28304
Scrim set (one double, one single scrim, one half double scrim, one half single scrim) - 260 mm Ø

C100
Junior pipe clamp with 28 mm socket

FF3871
Steel safety cable - Ø 4 mm - 70 cm lenght

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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