

# STUDIO LED

## X4 PLUS<sup>HP</sup>

# 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.

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Studio LED X4 Plus HP BI-COLOR

**PLUS** is MORE  
Powerful. Brighter. Effortless.

## Technical features

### Operational Data

Power consumption	160 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 56°
Correlated Color Temperature	from 2700 K to 6500 K
CRI	> 95
TLCI	> 96

### 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	Onboard 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)	9.3 kg manual version 10.3 kg pole op version
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## Photometrics

### Typical performance based on 3200 K

Distance (m)	3	4	5	7	9
Spot 10°	7720	4343	2779	1418	888
Flood 56°	960	540	346	176	107

### Typical performance based on 5600 K

Distance (m)	3	4	5	7	9
Spot 10°	9030	5079	3251	1659	1003
Flood 56°	1110	624	400	204	123

## Accessories

#### 28050

Four-leaf rotating barndoor – 270mm Ø supplied as standard in the fixture

#### 28859

Colour frame – 260 mm 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 length

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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