

STUDIO LED X SERIES PLUS

The **Studio LED X Series Plus** is a high performing professional LED Fresnel range for broadcast and studio applications.

Combining the matchless features of the renowned QUARTZCOLOR Fresnel spotlights with the latest advances in LED technology, the **Studio LED X Series Plus** range is more powerful and 30% brighter as never before. The high lumen density COB LED array allows true color reproduction and a pure, bright and consistent white light.

The **Studio LED X Series Plus** ensure exceptional beam control and precision lighting.



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.

STUDIO LED X6 PLUS

Technical features

Operational Data

| | |
|-----------------------------------|--|
| Power consumption | 300 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 | 323 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 250 mm Ø, low expansion borosilicate Fresnel lens on spring Teflon supports |
| Beam angle | 12° to 60° |
| Correlated Color Temperature | 3200 K / 5600 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 |
| 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 10 A / 250 V, 5 m bare ended cable, 3 x 1.5 mm ² section cable Plugs and cables upon request |
| PO version | 2 m bare ended, 3 x 1.5 mm ² section cable Plugs and cables upon request |

Dimensions

| | |
|---------------|---|
| Weight (head) | 13.8 kg manual version 14,7 kg pole op version |
|---------------|---|

Photometrics

Typical performance based on 3200 K

| Distance (m) | 3 | 4 | 5 | 7 | 9 |
|--------------|-------|------|------|------|------|
| Spot 14° | 16050 | 9028 | 5778 | 2948 | 1783 |
| Flood 50° | 2385 | 1342 | 859 | 438 | 265 |

Typical performance based on 5600 K

| Distance (m) | 3 | 4 | 5 | 7 | 9 |
|--------------|-------|-------|------|------|------|
| Spot 14° | 21400 | 12038 | 7704 | 3931 | 2378 |
| Flood 50° | 2980 | 1676 | 1073 | 547 | 331 |

Accessories

28070
Four-leaf rotating barndoor - 323 mm Ø

28093
Colour frame - 325 mm Ø

28306
Scrim set (one double, one single scrim, one half double scrim, one half single scrim) - 325 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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