



QUARTZCOLOR

The New Generation • The New Revolution

LED PASSION

STUDIO LED X SERIES

A COSMOLIGHT BRAND



QUARTZCOLOR INTRODUCES
STUDIO LED X SERIES

a high performing professional
LED Fresnel spotlight range
for any lighting solution
in TV studios, Film, Event
and Entertainment industries



ONE-FOR-ONE REPLACEMENT

The STUDIO LED X SERIES 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 you expect from a traditional Fresnel spotlight.



IMMEDIATE RETURN ON INVESTMENT

The investment in LED fixtures will bring immediate benefits in terms of savings: dramatically reduced power consumption, life of LED engine of 50.000 + hours vs 150 hours of halogen lamps, reduced AC requirements, no dimmers required, practically no maintenance and spare parts required thanks to the lack of heat.



LCD GRAPHIC DISPLAY

LCD graphic display with high resolution images showing operational data such as: system status, internal temperature, current DMX settings, dimming level both in remote and manual mode. The back light of the display can be deactivated.

ON-BOARD CONTROL

A local potentiometer allows to control light intensity manually with rapidity and precision. The dimming level is shown in the display.



DMX RDM CONTROL

The STUDIO LED X SERIES is RDM, providing bi-directional feedback and the possibility to assign and address all fixtures remotely in a DMX network.

ELECTRONIC DIMMING 16 BIT

The STUDIO LED X SERIES is fully dimmable 0-100, up to 16 bit for a more accurate and precise dimming.

ON-BOARD USB PORT

Through a on-board USB port it is possible to upgrade the release of the firmware, make a check up of the fixture, change the system parameters.

RETROFIT KIT

TO UPGRADE EXISTING LANTERNS

A retrofit kit with preassembled led system is available to quickly and easily upgrade existing Studio lanterns. Just remove four screws and replace the lamp module with the new led engine! You will upgrade your studio lighting system with a minimum investment.



STUDIO LED X2



TECHNICAL DATA

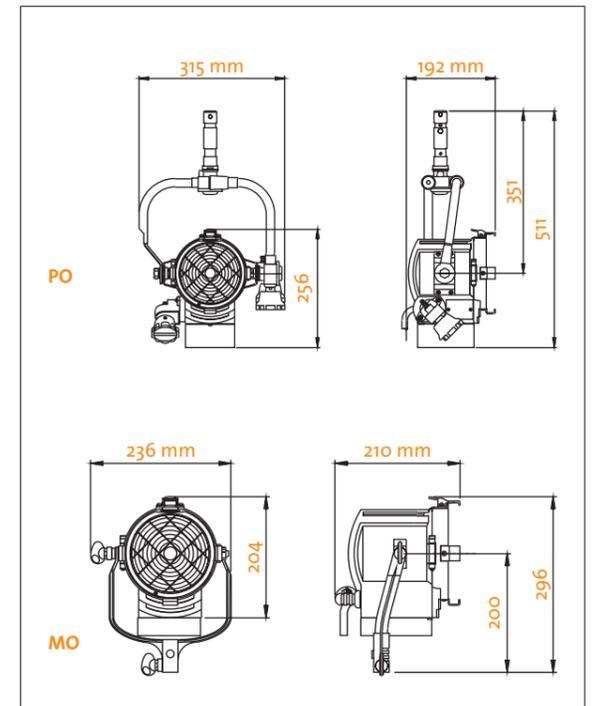
LIGHT SOURCE	Array LEDs
MAX POWER	40W
CORRELATED COLOR TEMPERATURE	Fixed 3200K–5600K
CRI	>90
BEAM ANGLE	19°–51° (3200 K) / 19°–49° (5600 K)
LENS DIAMETER	130 mm
POWER SUPPLY	100–240 Vac, 50/60 Hz, autosensing
POWER FACTOR (cosφ)	0,8
WATERPROOF RATING	IP20
OPERATIONAL TEMPERATURE (Ta)	0°–40°
DIMMING	Electronic 16 bit, fully 0–100%
CONTROL	Local via potentiometer and remote via DMX-RDM Setting, addressing and testing via control panel and via RDM
CONNECTIONS	DMX In and Through 5-Pin XLR
FEATURES	Internal temperature sensor, LCD graphic display with switch off function, silent fan, 3 presetting fan speed
MOUNTING	Manual and Pole Operated stirrup

OPERATIONAL DATA

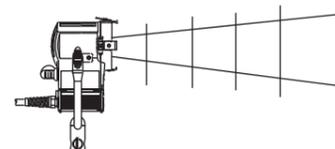
	STUDIO LED X2 MO	STUDIO LED X2 PO
Weight (head)	3,500 Kg	5,050 Kg
Barndoor weight	0,730 Kg	0,730 Kg
Gel frame weight	0,100 Kg	0,100 Kg
Lens diameter	130 mm	130 mm
Barndoor diameter	169 mm	169 mm
Accessory base diameter	170 mm	170 mm

ORDERING CODES

LD27631T	STUDIO LED X2 40W CCT TUNGSTEN PO
LD27631D	STUDIO LED X2 40W CCT DAYLIGHT PO
LD27630T	STUDIO LED X2 40W CCT TUNGSTEN MO
LD27630D	STUDIO LED X2 40W CCT DAYLIGHT MO



PHOTOMETRIC DATA



Typical performance based on 3200K

Distance (m)	3	4	5	7	9
SPOT 19°	1320	743	475	242	147
FLOOD 51°	522	294	188	96	58

Typical performance based on 5600K

Distance (m)	3	4	5	7	9
SPOT 19°	1380	776	497	253	153
FLOOD 49°	553	311	199	102	61



STUDIO LED X3



TECHNICAL DATA

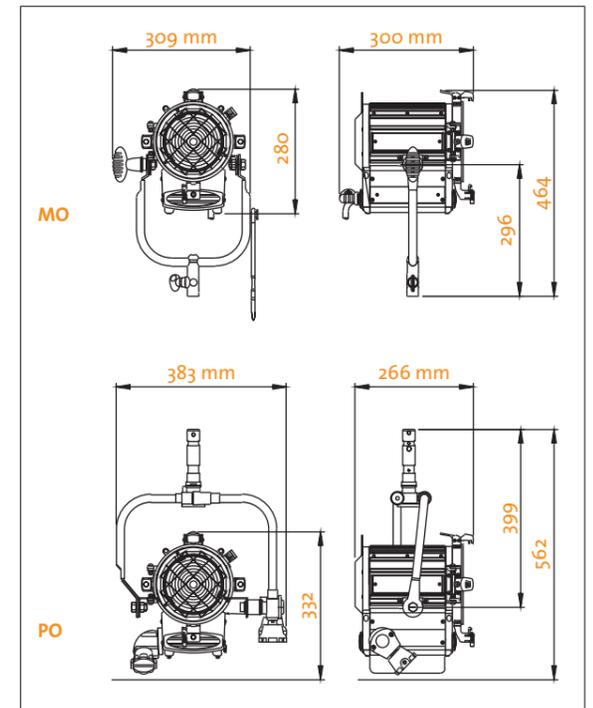
LIGHT SOURCE	Array LEDs
MAX POWER	90W
CORRELATED COLOR TEMPERATURE	Fixed 3200K–5600K
CRI	>90
BEAM ANGLE	21°–68°
LENS DIAMETER	130 mm
POWER SUPPLY	90–260 Vac, 50/60 Hz, autosensing
POWER FACTOR (cosφ)	0,97
WATERPROOF RATING	IP20
OPERATIONAL TEMPERATURE (Ta)	0°–40°
DIMMING	Electronic 16 bit, fully 0–100%
CONTROL	Local via potentiometer and remote via DMX-RDM Setting, addressing and testing via control panel and via RDM
CONNECTIONS	DMX In and Through 5-Pin XLR
FEATURES	Internal temperature sensor, LCD graphic display with switch off function, silent fan, 3 presetting fan speed
MOUNTING	Manual and Pole Operated stirrup

OPERATIONAL DATA

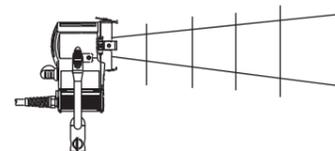
	STUDIO LED X3 MO	STUDIO LED X3 PO
Weight (head)	5,300 Kg	6,400 Kg
Barndoor weight	0,650 Kg	0,650 Kg
Gel frame weight	0,140 Kg	0,140 Kg
Lens diameter	130 mm	130 mm
Barndoor diameter	200 mm	200 mm
Accessory base diameter	202 mm	202 mm

ORDERING CODES

LD27642T	STUDIO LED X3 90W CCT TUNGSTEN PO
LD27642D	STUDIO LED X3 90W CCT DAYLIGHT PO
LD27640T	STUDIO LED X3 90W CCT TUNGSTEN MO
LD27640D	STUDIO LED X3 90W CCT DAYLIGHT MO



PHOTOMETRIC DATA



Typical performance based on 3200K

Distance (m)	3	4	5	7	9
SPOT 21°	2060	1159	742	378	229
FLOOD 68°	590	332	212	108	66

Typical performance based on 5600K

Distance (m)	3	4	5	7	9
SPOT 21°	2260	1271	814	415	251
FLOOD 68°	645	363	232	118	72

STUDIO LED X4



TECHNICAL DATA

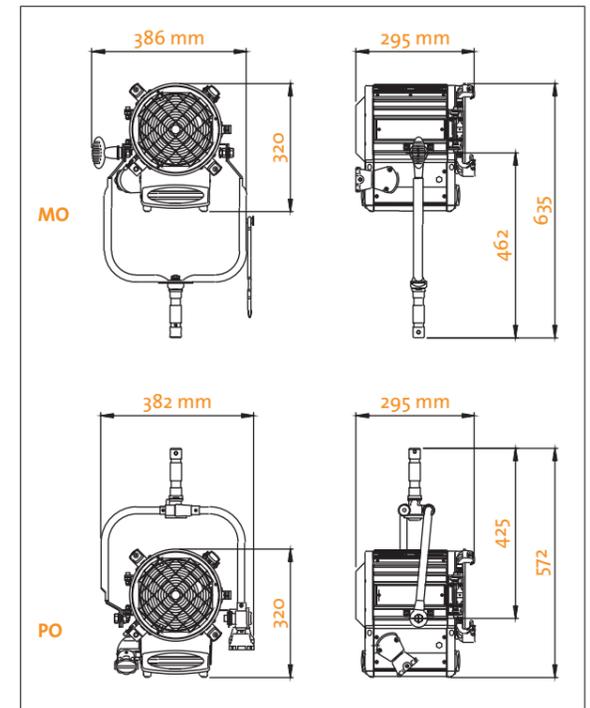
LIGHT SOURCE	Array LEDs
MAX POWER	120W
CORRELATED COLOR TEMPERATURE	Fixed 3200K–5600K
CRI	>90
BEAM ANGLE	15°–43° (3200 K) / 15°–44° (5600 K)
LENS DIAMETER	175 mm
POWER SUPPLY	90–260 Vac, 50/60 Hz, autosensing
POWER FACTOR (cosφ)	0,97
WATERPROOF RATING	IP20
OPERATIONAL TEMPERATURE (Ta)	0°–40°
DIMMING	Electronic 16 bit, fully 0–100%
CONTROL	Local via potentiometer and 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
FEATURES	Internal temperature sensor, LCD graphic display with switch off function, silent fan, 3 presetting fan speed
MOUNTING	Manual and Pole Operated stirrup

OPERATIONAL DATA

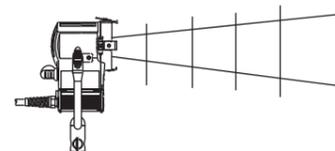
	STUDIO LED X4 MO	STUDIO LED X4 PO
Weight (head)	9,500 Kg	10,300 Kg
Barndoor weight	1,180 Kg	1,180 Kg
Gel frame weight	0,180 Kg	0,180 Kg
Lens diameter	175 mm	175 mm
Barndoor diameter	270 mm	270 mm
Accessory base diameter	260 mm	260 mm

ORDERING CODES

LD27252T	STUDIO LED X4 120W CCT TUNGSTEN PO
LD27252D	STUDIO LED X4 120W CCT DAYLIGHT PO
LD27250T	STUDIO LED X4 120W CCT TUNGSTEN MO
LD27250D	STUDIO LED X4 120W CCT DAYLIGHT MO



PHOTOMETRIC DATA



Typical performance based on 3200K

Distance (m)	3	4	5	7	9
SPOT 15°	3970	2233	1429	729	441
FLOOD 43°	1350	759	486	248	150

Typical performance based on 5600K

Distance (m)	3	4	5	7	9
SPOT 15°	4700	2644	1692	863	522
FLOOD 44°	1560	878	562	287	173

STUDIO LED X5

TECHNICAL DATA

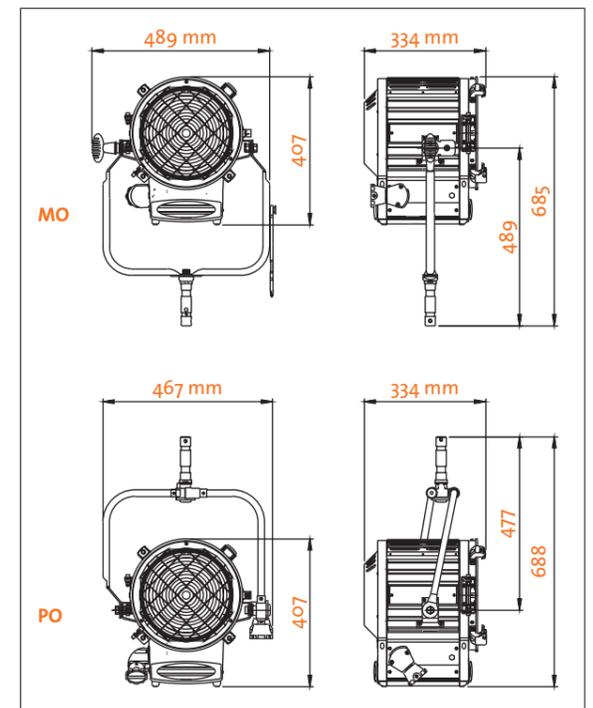
LIGHT SOURCE	Array LEDs
MAX POWER	180W
CORRELATED COLOR TEMPERATURE	Fixed 3200K–5600K
CRI	>90
BEAM ANGLE	16°–71° (3200 K) / 15°–72° (5600 K)
LENS DIAMETER	250 mm
POWER SUPPLY	90–260 Vac, 50/60 Hz, autosensing
POWER FACTOR (cosφ)	0,97
WATERPROOF RATING	IP20
OPERATIONAL TEMPERATURE (Ta)	0°–40°
DIMMING	Electronic 16 bit, fully 0–100%
CONTROL	Local via potentiometer and 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
FEATURES	Internal temperature sensor, LCD graphic display with switch off function, silent fan, 3 presetting fan speed
MOUNTING	Manual and Pole Operated stirrup

OPERATIONAL DATA

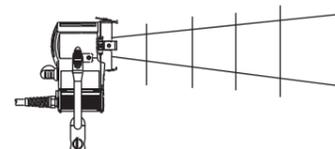
	STUDIO LED X5 MO	STUDIO LED X5 PO
Weight (head)	12,650 Kg	13,600 Kg
Barndoor weight	1,500 Kg	1,500 Kg
Gel frame weight	0,300 Kg	0,300 Kg
Lens diameter	250 mm	250 mm
Barndoor diameter	323 mm	323 mm
Accessory base diameter	325 mm	325 mm

ORDERING CODES

LD27262T	STUDIO LED X5 180W CCT TUNGSTEN PO
LD27262D	STUDIO LED X5 180W CCT DAYLIGHT PO
LD27260T	STUDIO LED X5 180W CCT TUNGSTEN MO
LD27260D	STUDIO LED X5 180W CCT DAYLIGHT MO



PHOTOMETRIC DATA



Typical performance based on 3200K

Distance (m)	3	4	5	7	9
SPOT 16°	6360	3578	2290	1168	707
FLOOD 71°	1150	647	414	211	128

Typical performance based on 5600K

Distance (m)	3	4	5	7	9
SPOT 15°	7320	4118	2635	1344	813
FLOOD 72°	1310	737	472	241	146



STUDIO LED X6

TECHNICAL DATA

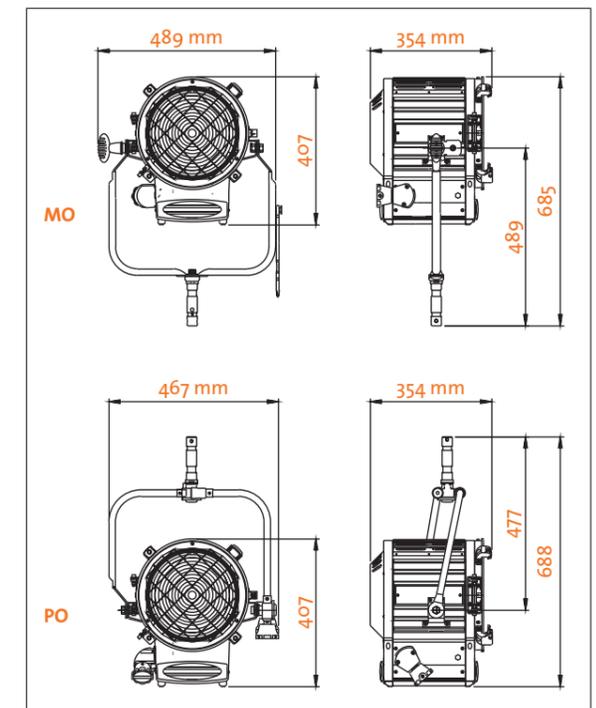
LIGHT SOURCE	COB LED
MAX POWER	250W
CORRELATED COLOR TEMPERATURE	Fixed 3200K–5600K
CRI	>90
BEAM ANGLE	12°–61° (3200 K) / 12°–65° (5600 K)
LENS DIAMETER	250 mm
POWER SUPPLY	90–260 Vac, 50/60 Hz, autosensing
POWER FACTOR (cosφ)	0,97
WATERPROOF RATING	IP20
OPERATIONAL TEMPERATURE (Ta)	0°–40°
DIMMING	Electronic 16 bit, fully 0–100%
CONTROL	Local via potentiometer and 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
FEATURES	Internal temperature sensor, LCD graphic display with switch off function, silent fan, 3 presetting fan speed
MOUNTING	Manual and Pole Operated stirrup

OPERATIONAL DATA

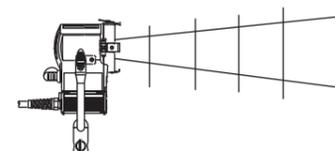
	STUDIO LED X6 MO	STUDIO LED X6 PO
Weight (head)	13,800 Kg	14,700 Kg
Barndoor weight	1,500 Kg	1,500 Kg
Gel frame weight	0,300 Kg	0,300 Kg
Lens diameter	250 mm	250 mm
Barndoor diameter	323 mm	323 mm
Accessory base diameter	325 mm	325 mm

ORDERING CODES

LD27362T	STUDIO LED X6 250W CCT TUNGSTEN PO
LD27362D	STUDIO LED X6 250W CCT DAYLIGHT PO
LD27360T	STUDIO LED X6 250W CCT TUNGSTEN MO
LD27360D	STUDIO LED X6 250W CCT DAYLIGHT MO



PHOTOMETRIC DATA



Typical performance based on 3200K

Distance (m)	3	4	5	7	9
SPOT 12°	10700	6019	3852	1965	1189
FLOOD 61°	1680	945	605	309	187

Typical performance based on 5600K

Distance (m)	3	4	5	7	9
SPOT 12°	13250	7453	4770	2434	1472
FLOOD 65°	2100	1181	756	386	233



RETROFIT KIT



Quartzcolor has been a market leader brand in the professional lighting for 60 years. All around the world there are thousands of TV studios equipped with the Studio family fixtures. Now you can quickly and easily upgrade your lighting system with the new energy efficient led technology by retrofitting your Bambinos and Studios. Just remove four screws to separate the top of the housing from the bottom and replace the whole bottom part with the new one preassembled with led engine. New labels and plates are supplied together with the kit.

ORDERING CODES

RETROFIT KIT FOR BAMBINO 1KW

LD27640T/1 TUNGSTEN RETROFIT KIT FOR BAMBINO 1KW
LD27640D/1 DAYLIGHT RETROFIT KIT FOR BAMBINO 1KW

RETROFIT KIT FOR STUDIO 1KW

LD27252T/1 TUNGSTEN RETROFIT KIT FOR STUDIO 1KW
LD27252D/1 DAYLIGHT RETROFIT KIT FOR STUDIO 1KW

RETROFIT KIT FOR STUDIO 2KW

LD27262T/1 TUNGSTEN RETROFIT KIT FOR STUDIO 2KW
LD27262D/1 DAYLIGHT RETROFIT KIT FOR STUDIO 2KW

RETROFIT KIT FOR STUDIO 5KW

LD27272T/1 TUNGSTEN RETROFIT KIT FOR STUDIO 5KW
LD27272D/1 DAYLIGHT RETROFIT KIT FOR STUDIO 5KW

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