



X3^{FIX} - X3^{COLOR} LED SERIES

LEDs SURGICAL LIGHTS

Focusmatic™ technology

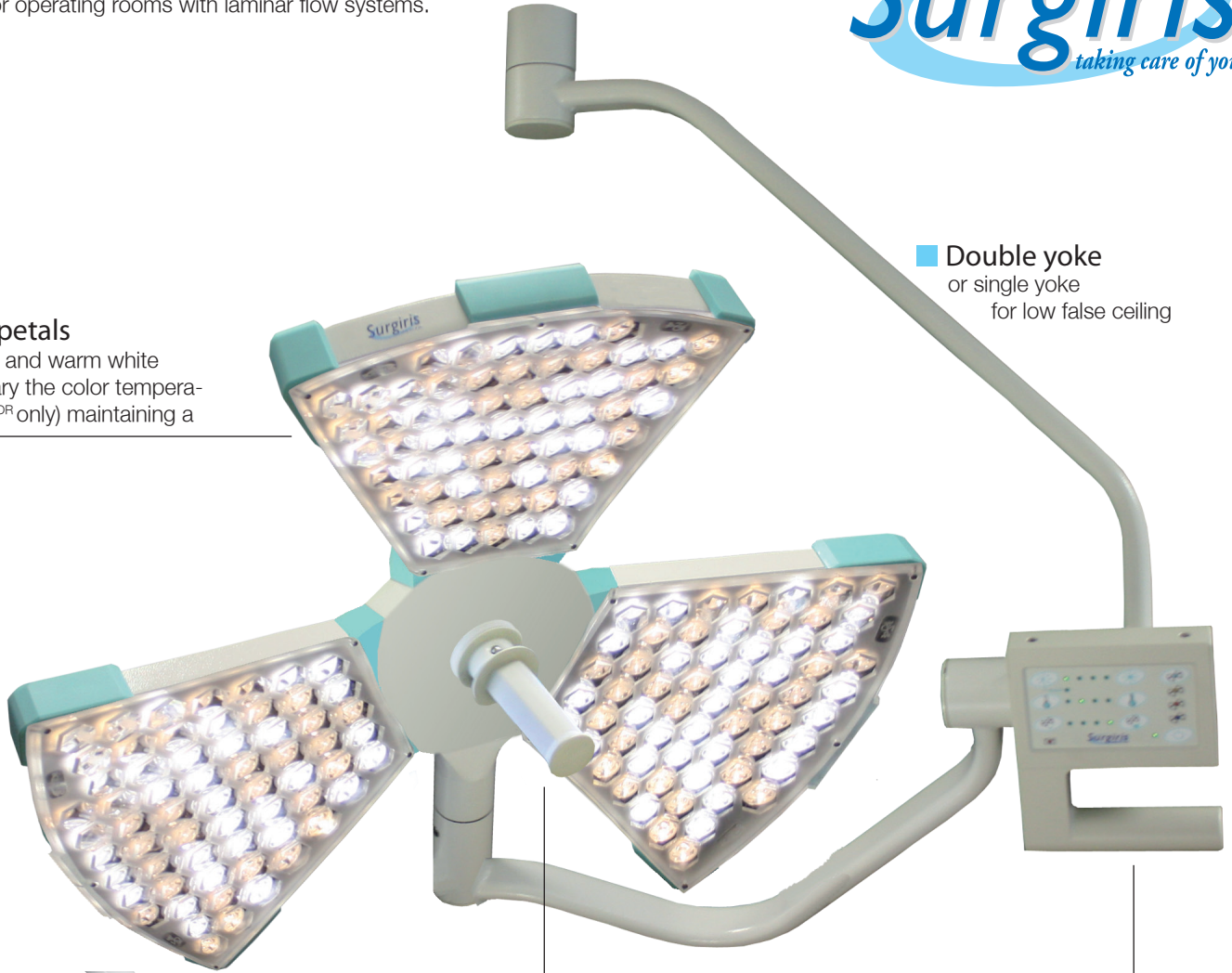
The X3 series is a innovative LED surgical lights manufactured by SURGIRIS, based on a new optical lighting system Focusmatic™. Made of aluminium and a module consisting of individual segments, it is ideal for operating rooms with laminar flow systems.



LEDs petals

Cold white and warm white LEDs to vary the color temperature (X3^{COLOR} only) maintaining a

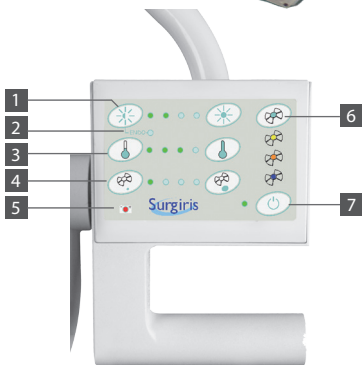
Double yoke
or single yoke
for low false ceiling



Sterilizable handle
to move the system in all directions

Control handle (1 push = 1 selection)

This handle allows, by a simple push on the sensitive push button keypad, to vary the lighting level, change the color temperature (X3^{COLOR} only), adjust the lighting diameter or snap to the endoscopic mode.



- 1- Lighting level adjustment
- 2- Endoscopic mode
- 3- Color temperature selection (3500°K to 5000°K) (X3^{COLOR} only)
- 4- Focal electronic lighting level
- 5- Battery indicator
- 6- Cupola selection
- 7- On / Off



Technical data

LED SERIES

MODELE	X3 ^{FIX}	X3 ^{COLOR}
Illuminated field diameter min. max. at 1m	15 to 30 cm	15 to 32 cm
Max. Light intensity E _c at 1m	160 000 Lux	160 000 Lux
Constant focal depth (L1 + L2)	110 cm	110 cm
Color temperature rendering	4250°K (+/- 10%)	3500 to 5000°K
Color rendering index, CRI (Ra)	>95	>95
LED life time	>40 000 h	>40 000 h
Feeding unit	100 to 240 V	100 to 240 V
Frequency	50 / 60 Hz	50 / 60 Hz

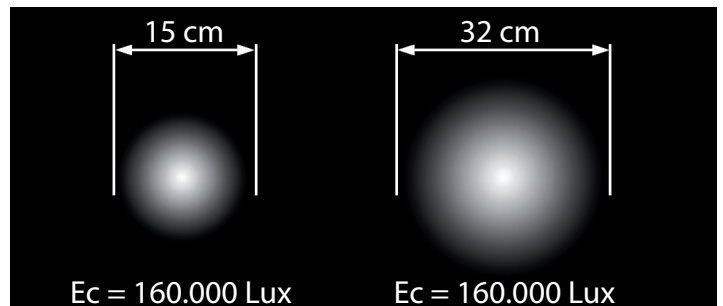
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Technologies inside



FOCUSMATIC

SURGIRIS LEDs surgical lights are the only one to have the FOCUSMATIC™ system. This patented technology is made to keep the same intensity level with whatever spot size. It's now possible to have a substantial spot with an astonished lighting level (Example with the X3^{COLOR}, you can get a spot size of 32 cm with a consistent light intensity of 160.000 lux).



APM
AUTOMATIC PREVENTIVE
MAINTENANCE

An automatic preventive maintenance

Each lighting system is controlled by an APM (*Automatic Preventive Maintenance*) which checks each LED module. This condensed technology allows an automatic preventive maintenance integrated into the surgical light, which is controlled and protected continuously. It maintains the system year after year.



EFA
ELECTRONIC FOCUS
ADJUSTMENT

Optical focal without mechanical movement

Each LED has its own optical system with a specific reflecting angle that permits changing electronically the illuminated lighting field without any motorized movement of the lighting body. Without moving parts low maintenance is guaranteed.



CCL
CONSTANT COLOR
LIGHTING LEVEL

Constant color lighting

The integrated CCL LED module maintains continuously, even after many hours of use the intensity and colour Temperature are the same as selected at the beginning. The lights performance is the same throughout the entire surgical procedure.



WCT
WIRELESS COMMUNICATION
TECHNOLOGY

Wireless communication technology

Our light systems communicate without any cabling (wall mounted control, video systems control). This feature is particularly appreciated when renovating a Theatre. Update without expensive groundwork.



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