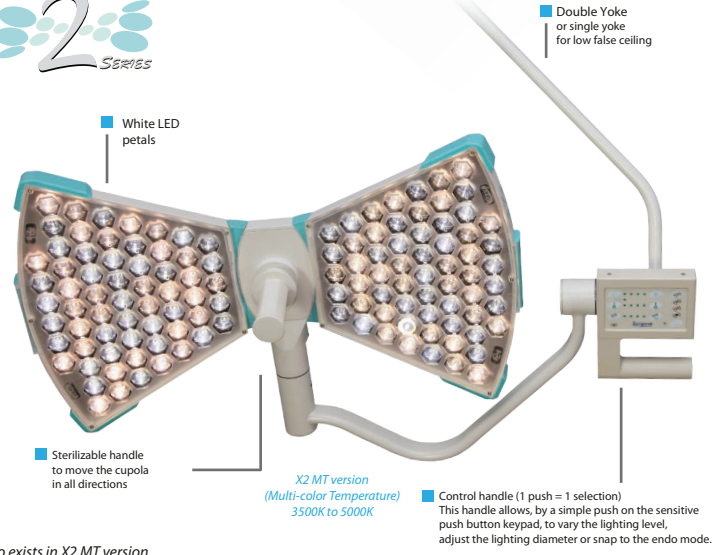
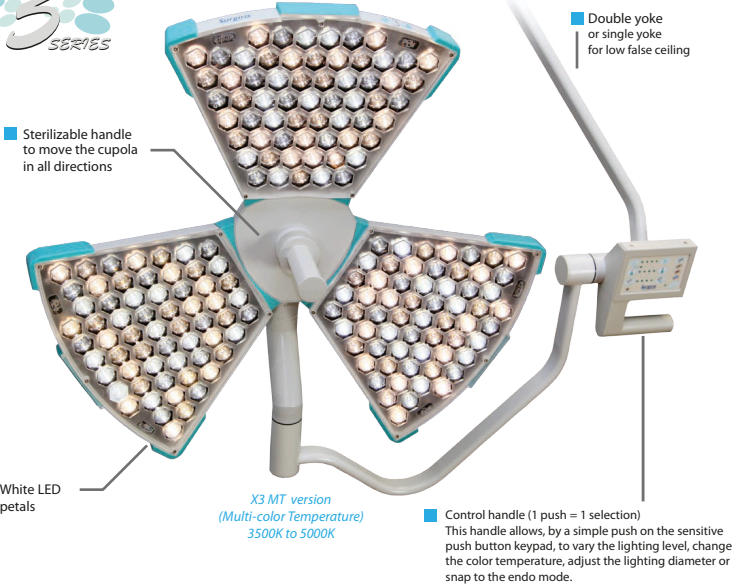


## THE BETTER LED SURGICAL LIGHTS

FRANCE



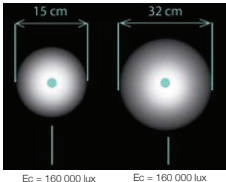
Also exists in X2 MT version (Single color Temperature) : 4500K

## High-tech ...

### FOCUSMATIC

#### Patented innovation

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



Example of an illuminated field diameter for a X3 light



#### 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.



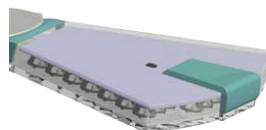
#### Optical focal without any mechanical movement

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.



#### 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.



#### Reliable performance

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.



3500K



5000K

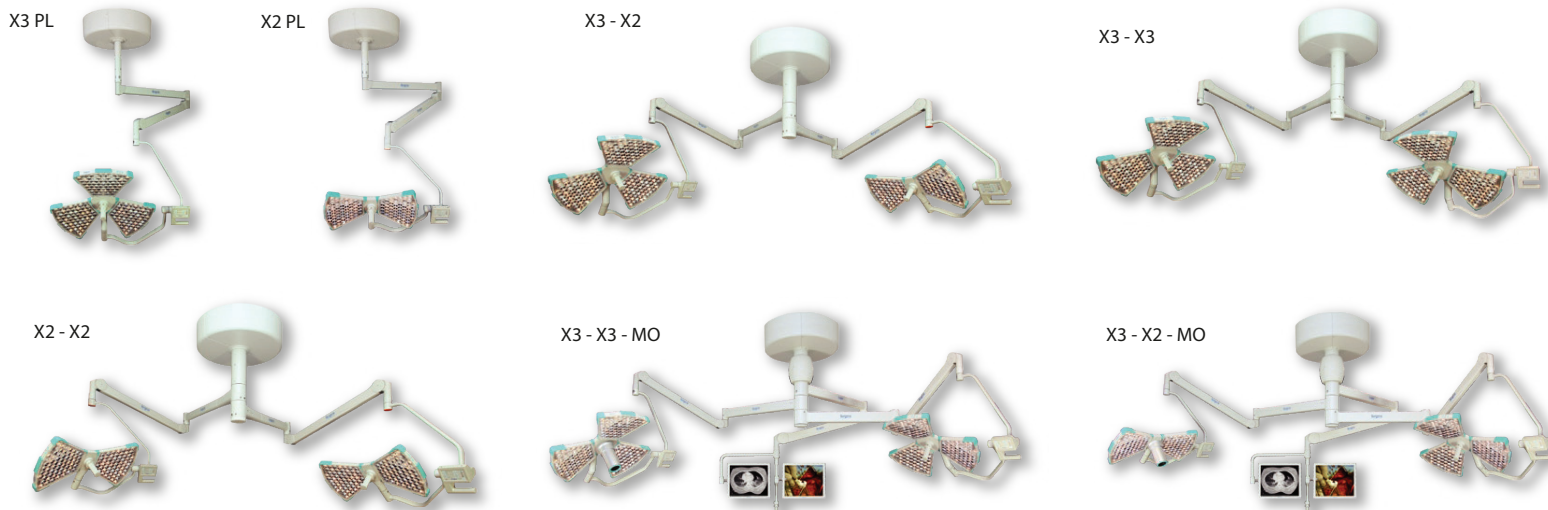
example of thyroid surgery : recurrent laryngeal nerve



LED TECHNOLOGY

The X3 & X2 cupolas are innovative LED surgical lights manufactured by SURGIRIS based on a new optical lighting system **Focusmatic™**. Made of aluminium with module of separate petals, convenient for operating rooms with laminar flow systems. The X3 & X2 are available in MT (Multi-color Temperature) and ST (Single color Temperature) versions.

## CONFIGURATIONS



other configurations available...

## TECHNICAL DATA

MODEL	X2 ST	X3 ST	X2 MT	X3 MT
Max light intensity Ec at 1 m	160 000 Lux	160 000 Lux	160 000 Lux	160 000 Lux
Dimming range	5 to 100 %	5 to 100 %	5 to 100 %	5 to 100 %
Illuminated field diameter min./max. at 1 m	15 to 30 cm	15 to 32 cm	15 to 30 cm	15 to 32 cm
D10	300 mm	320 mm	300 mm	320 mm
D50	160 mm	170 mm	160 mm	170 mm
Constant focal depth (L1 + L2) EN 60601 v2003	110 cm	120 cm	120 cm	135 cm
Constant focal depth (L1 + L2) EN 60601 v2008	62 cm	65 cm	65 cm	70 cm
Color temperature in Kelvin	4500K	4500K	3500 to 5000K	3500 to 5000K
Color Rendering Index CRI (Ra)	>95	>95	>95	>95
LEDs life time	60 000 h	60 000 h	60 000 h	60 000 h
Feeding unit	100-240 V	100-240 V	100-240 V	100-240 V
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Number of LEDs	62	93	124	186
Focusmatic	■	■	■	■
Endoscopy mode	■	■	■	■
Video camera preparation	□	□	□	□

EN 60601-2-41

■ Included  
□ Optional

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