



**LISSAled**  
Surgical LED Light

# LISSAled 160 premium

160,000 lx / 96 LED

## Hybrid LED System

Lower heat emission &  
Less consumption of energy



## Center Grip

Quick controller &  
Autoclavable handle



## Smart Sensor

Detect the obstacle & Increase  
the intensity automatically

## Synchronized Intuitive Control Panel

touch sensor control



**Illumination Intensity**  
160,000 Lux (Max.)



**Color Temperature**  
3,800 / 4,300 / 4,800 K



**Focus size**  
6 steps adjustment  
(Max. 30 cm / Min. 20 cm)



**ENDO-MODE**  
Suitable for endo-surgery  
by one click, EC\*5%

## Full HD camera

optional



|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| Image Sensor    | 1 / 2.8 " – Type CMOS                                                  |
| Lens            | 10 x optical zoom<br>F = 3.8 mm (wide) to 38 mm (tele)<br>F1.8 to F3.4 |
| Picture Quality | Full HD 1080 p (1920 * 1080)                                           |
| Digital Zoom    | 12 x (120 x with optical zoom)                                         |
| Output          | HD SD (75Ω, BNC)                                                       |
| Image Point     | 2.38 M Pixels                                                          |

# LISSAled 160

160,000 lx / 84 LED



## Hybrid LED System

Lower heat emission &  
Less consumption of energy



## Center Grip

Quick controller &  
Autoclavable handle

## Smart Sensor

Detect the obstacle & Increase  
the intensity automatically



## Synchronized Intuitive Control Panel

touch sensor control



**Illumination Intensity**  
160,000 Lux (Max.)



**Color Temperature**  
optional  
3,800 / 4,300 / 4,800 K



**Focus size**  
6 steps adjustment  
(Max. 30 cm / Min. 20 cm)



**ENDO-MODE**  
Suitable for endo-surgery  
by one click, EC\*5%

## Full HD camera

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| Image Sensor    | 1 / 2.8 " – Type CMOS                                                  |
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| Picture Quality | Full HD 1080 p (1920 * 1080)                                           |
| Digital Zoom    | 12 x (120 x with optical zoom)                                         |
| Output          | HD SD (75Ω, BNC)                                                       |
| Image Point     | 2.38 M Pixels                                                          |

# LISSAled 120

120,000 lx / 54 LED



## Hybrid LED System

Lower heat emission &  
Less consumption of energy

## Center Grip

Quick controller &  
Autoclavable handle



## Synchronized Intuitive Control Panel

touch sensor control



**Illumination Intensity**  
120,000 Lux (Max.)



**Color Temperature**  
optional  
3,800 / 4,300 / 4,800 K



**Focus size**  
6 steps adjustment  
(Max. 30 cm / Min. 20 cm)



**ENDO-MODE**  
Suitable for endo-surgery  
by one click, EC\*5%

# LISSAled Configuration

## Single Ceiling



## Dual Ceiling



## Mobile



Single/Dual Ceiling options: Additional arm for monitor / external camera

# Technical Specification

| Title                         | LISSAled 160 premium                                                              | LISSAled 160                                                                       | LISSAled 120                                                                        |
|-------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Design<br>(Light Head)        |  |  |  |
| Installation                  | Single Ceiling<br>Dual Ceiling<br>Mobile                                          | Single Ceiling<br>Dual Ceiling<br>Mobile                                           | Single Ceiling<br>Dual Ceiling<br>Mobile                                            |
| Head Size (cm)                | 66                                                                                | 60                                                                                 | 50                                                                                  |
| No. of LED (ea)               | 96                                                                                | 84                                                                                 | 54                                                                                  |
| Intensity (lx)                | Max. 160,000 at 1 m                                                               | Max. 160,000 at 1 m                                                                | Max. 120,000 at 1 m                                                                 |
| Intensity Control             | 6 Steps<br>(40,000 – 160,000)                                                     | 6 Steps<br>(40,000 – 160,000)                                                      | 6 Steps<br>(40,000 – 120,000)                                                       |
| C.R.I (Ra/R9)                 | 95 / 90                                                                           | 95 / 90                                                                            | 95 / 90                                                                             |
| Color Temp. (K)               | 3,800 / 4,300 / 4,800                                                             | 4,300                                                                              | 4,300                                                                               |
|                               |                                                                                   | option:<br>3,800 / 4,300 / 4,800                                                   | option:<br>3,800 / 4,300 / 4,800                                                    |
| Light Field Size (cm)         | 20 – 30 at 1 m                                                                    | 20 – 30 at 1 m                                                                     | 20 – 30 at 1 m                                                                      |
| Depth of Illumination<br>(cm) | 150 at 20%<br>85 at 60%                                                           | 150 at 20%<br>90 at 60%                                                            | 125 at 20%<br>65 at 60%                                                             |
| Smart Sensor (ea)             | 4                                                                                 | 4                                                                                  | No                                                                                  |
| Detachable Centre<br>Grip     | YES (2X)                                                                          | YES (2X)                                                                           | YES (2X)                                                                            |
| LED Life Span (hrs)           | 60,000                                                                            | 60,000                                                                             | 60,000                                                                              |
| Options                       | Camera<br>Wall Controller<br>Backup Battery                                       | Camera<br>Wall Controller<br>Backup Battery                                        | -<br>Wall Controller<br>Backup Battery                                              |



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