

LED OPERATION LIGHT



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Challenging tasks require special solutions. The innovative Labstac LED operation light give you benefits of cutting-edge LED technology in a uniquely effective manner. We focus on providing LED lights that are more color-accurate, more flexible, more economical. We offer innovative light and system solutions that can be retrofitted easily and without special preparation.

Used in Dental implant surgery, Medical unit, Surgery, Operation theatre.
Also known as Surgical LED Light, LED operation theatre light, LED OT light.

OPL13-10 LED OR SHADOWLESS LAMP

Imported LED cold light source is adopted, with the ultrathin optical lens

Digital means are adopted for stepless regulation of LED brightness

Light field size can be adjusted by the handle

Removable handle sheath can be disinfected

Service life of LED shadowless lamp is long (50,000h)

Color temperature can be adjusted in three steps

Imported switch power supply is adopted to control the voltage, making the work voltage permanently stable

No welding titanium alloy arm, Imported spring arm make sure the lamp head adjusted easily and freely



SPECIFICATIONS

Model	OPL13-10
Illumination	40000-120000 Lux (at 1m distance)
Color temperature	(3500-4500) ±500K
Light field diameter	10-28 cm at 1m Light field diameter D10-180±40 mm
D50	110±35 mm
Depth of L1+L2 illumination	150 cm
Color rendering Index	100≥Ra≥85
Number of LED bulbs	32/32
Average bulb life (hours)	50000
Heat to light ratio	<6 (mW/m ² lx)
Working distance	70-140 cm
Ceiling height for installation	270-320 cm
Max power consumption	80W/80W
Power Supply	100-240V 50/60 Hz

OPL12-16 LED OR SHADOWLESS LAMP

Imported LED cold light source is adopted , with the ultrathin optical lens
 Digital means are adopted for stepless regulation of LED brightness
 Light field size can be adjusted by the handle
 The removable handle sheath can be disinfected
 The service life of LED shadowless lamp is long (50,000h)
 The imported switch power supply is adopted to control the voltage, making the work voltage permanently stable
 The no welding titanium alloy arm, Imported spring arm make sure the lamp head adjusted easily and freely



SPECIFICATIONS

Model	OPL12-16
Illumination	40000-120000 Lux (at 1m distance)
Color temperature	4500K±500K
Light field diameter	10-28 cm at 1m
D10	180+40 mm
Diameter of spot D50	110+35 mm
Color rendering Index	100>Ra>85
Working distance	70-140 cm
Heat to light ratio	<6 mW/m²lx
Average bulb life (hours)	50000 hours
Number of LED bulbs	32
Max power consumption	80 VA

OPL14-10 LED OR SHADOWLESS LAMP

The no welding titanium alloy main arm is adopted, so that the appearance is aesthetic and the rotation is more flexible and convenient
 The removable handle sheath can be disinfected at the high temperature of 135°C
 The de-polished panel made of imported material makes the light rays softer
 The imported switch power supply is adopted to control the voltage, making the work voltage permanently stable
 The special radiation filter reducing the heat to the minimum level
 The multi-flake retro reflector made of imported aluminium sheet has the features of no coating film and never fading
 Imported lamp receptacle, Tungsten halogen bulbs of international brand are adopted with the average service more than 1500 hours
 Light adjustment circuit adopts CPU control, enabling increase or decrease of illumination and boasting brightness memory
 One lamp holder with two bulbs enables automatic operation of the standby bulb in 1/2 second when the main bulb malfunctions, and it has indicators for the damage of main or standby bulb



SPECIFICATIONS

Model	OPL14-10
Illumination	40000-120000 Lux (at 1m distance)
Color temperature	4500K±500K
Light field diameter	10-28 cm at 1m
D10	180+40 mm
Diameter of spot D50	110+35 mm
Color rendering Index	100>Ra>85
Working distance	70-140 cm
Heat to light ratio	<6 mW/m²lx
Average bulb life (hours)	50000 hours
Number of LED bulbs	32
Max power consumption	80 VA

OPL11-16 LED OR SHADOWLESS LAMP

Stepless adjusting light source

ONDAL arm, OSRAM bulb



SPECIFICATIONS

Model	OPL11-16
Illumination	40000~160000 LUX/40000~160000 LUX Illumination at 1m on Endo mode- 10000 LUX
Color temperature	6700>TC>3000K
Color rendering Index	100≥Ra≥85 Red color rendering Index R9-≥97
Light field diameter	D10 180+40/180+40 mm
Depth of L1+L2 illumination	150 cm
Heat to light ratio	<6mW/m²lx
D50	110+35/110+35
Number of LED bulbs	84/84
Average bulb life (hours)	50000 hours
Ceiling height for installation	270-320 cm
Input power	150W/150W VA
Power Supply	100-240V

OPL16-14 SINGLE ARM LED OPERATING LAMP

Streamlined, ultra-thin, enclosed head with reduced air resistance to minimise contamination

Digital controlled light intensity without grades of brightness and automatic memory for added flexibility

Optionally built in power supply systems avoiding complicated installation of wall mounted control boxes

Auxiliary light source included for laparoscopic operations

Rigid suspension arm with easy mobility and stable positioning

No infrared or ultraviolet radiation

Backlight compensation function

Endoscopy light source

Stepless adjusting light source



SPECIFICATIONS

Model	OPL16-14
Illumination	60000~120000 Lux
Diameter of spot	10-28 cm
Depth of light beam	≥700 mm
Color rendering Index	100≥Ra≥85
Color temperature	4500±500 K

OPL16-16 SINGLE ARM LED OPERATING LAMP

Imported LED cold light source is adopted, with the ultrathin optical lens

Digital means are adopted for stepless regulation of LED brightness

Light field size can be adjusted by the handle

The removable handle sheath can be disinfected

The service life of LED shadowless lamp is long (50,000h)

Color temperature can be adjusted in three steps

The imported switch power supply is adopted to control the voltage, making the work voltage permanently stable

There is no welding titanium alloy arm, Imported spring arm make sure the lamp head adjusted easily and freely



SPECIFICATIONS

Model	OPL16-16
Illumination	≥60000
Color rendering Index	100≥Ra≥85
Color temperature	4500±500 K
Left / Right	160°
Front / Back	190°
Spring arm adjusted	≥600 mm
Input power	20 VA

OPL17-16 LED OR LAMP

The no welding titanium alloy main arm is adopted, so that the appearance is aesthetic and the rotation is more flexible and convenient.

The removable handle sheath can be disinfected at the high temperature of 135°C.

The depolished panel made of imported material makes the light rays softer

The imported switch power supply is adopted to control the voltage, making the work voltage permanently stable

The special radiation filter reducing the heat to the minimum level

The multi-flake retroreflector made of imported aluminum sheet has the features of no coating film and never fading

Imported lamp receptacle, Tungsten halogen bulbs of international brand are adopted with the average service more than 1500 hours

Light adjustment circuit adopts CPU control, enabling increase or decrease of illumination and boasting brightness memory

One lamp holder with two bulbs enables automatic operation of the standby bulb in 1/2 second when the main bulb malfunctions, and it has indicators for the damage of main or standby bulb



SPECIFICATIONS

Model	OPL17-16
Illumination	160000 / 160000 Lux Illumination at 1m on Endo model- 15000 LUX
Adjusting range of illuminance	10-100%
Light field diameter	D10 180±40 / 180±40 mm
D50	110±35 / 110±35
Depth of L1+L2 illumination	150 mm
Color rendering Index	100≥Ra≥85 Red color index R9: R9≥97 R13 ≥99 R15 ≥98
Color temperature	6700K≥Tc≥3500k
Number of LED bulbs	84/84
Average bulb life (hours)	50000 h
Heat to light ratio	<6mW/m²lx
Power Supply	110-240 V
Input power	150 W / 150 W
Ceiling height for installation	2.7-3.2 m

OPL15-14 DOUBLE ARM LED OPERATING LAMP

Streamlined, ultra-thin, enclosed head with reduced air resistance to minimise contamination

Digital controlled light intensity without grades of brightness and automatic memory for added flexibility

Optionally built in power supply systems avoiding complicated installation of wall mounted control boxes

Auxiliary light source included for laparoscopic operations

Rigid suspension arm with easy mobility and stable positioning

360° arm rotation

No infrared or ultraviolet radiation

Backlight compensation function

Endoscopy light source

ONDAL arm, OSRAM bulb



SPECIFICATIONS

Model	OPL15-14
Illumination	140,000 Lux
Adjusting range of illuminance	10-100%
Spot diameter (D50-D10)	130-350 mm
Color rendering Index	≥97
Color temperature	3600K-5500K (±500K) variable
Average bulb life (hours)	100,000 h Power of bulb- 1 W x N 64 Light focus system- Manual
Power Supply	220 V 50 Hz
Input power	80 W
Ceiling height for installation	2.8 m

OPL15-16 DOUBLE ARM LED OPERATING LAMP

Streamlined, ultra-thin, enclosed head with reduced air resistance to minimise contamination

Digital controlled light intensity without grades of brightness and automatic memory for added flexibility

Optionally built in power supply systems avoiding complicated installation of wall mounted control boxes

Auxiliary light source included for laparoscopic operations

Rigid suspension arm with easy mobility and stable positioning

No infrared or ultraviolet radiation

Backlight compensation function

Endoscopy light source

Stepless adjusting light source



SPECIFICATIONS

Model	OPL15-16
Illumination	160,000 Lux / 140,000 Lux
Color temperature	3600K-5500K (±500K) variable

Spot diameter (D50-D10)	130-350 / 130-350 mm
Color rendering Index	≥97 / ≥97
Average bulb life (hours)	100,000 h / 100,000 h Power of bulb 1 W x N 128 / 1 W x N 64 Light focus system-Manual/ Manual
Power Supply	220 V 50 Hz/ 220 V 50 Hz
Input power	160 W / 80 W
Ceiling height for installation	2.8 m / 2.8 m

OPL11-84 LED OR SHADOWLESS LAMP

The nano-layer heat sink creates an ideal heat dissipation effect

Intelligent touch control screen

Removable handle cover for easy cleaning and disinfection

Titanium alloy boom, no welding, to ensure that each angle is 90° without drift

The spring arm is an imported spring, which can move up and down, which is light and flexible

The color temperature is adjustable, the human R9 function and the green light mode are controllable

With minimally invasive lighting function

Illumination and shadow automatic compensation mode

Electric adjustment of the spot diameter of the lighting equipment



SPECIFICATIONS

Model	OPL11-84
Illumination	40000~160000 LUX/40000~160000 LUX Illumination at 1m on Endo mode- 10000 LUX
Color temperature	5000>TC>3000K
Color rendering Index	100≥Ra≥85 Red color rendering Index R9-≥97 Green colour rendering index R11->97
Light field diameter	D10 180+40/180+40 mm electrically adjust
Depth of L1+L2 illumination	150 cm
Heat to light ratio	<6mW/m²lx
D50	110+35/110+35 electrically adjust
Number of LED bulbs	84/84
Average bulb life (hours)	50000 hours
Ceiling height for installation	270-320 cm
Input power	150W/150W VA
Power Supply	110-240V

OPL11-45 LED OR SHADOWLESS LAMP

- Use imported LED cold light source, ultra-thin optical lens
- Digitally adjust the brightness of the LED
- Removable handle cover for easy cleaning and disinfection
- Titanium alloy boom, no welding, to ensure that each angle is 90° without drift
- The spring arm is an imported spring, which can move up and down, which is light and flexible
- The color temperature is adjustable
- With minimally invasive lighting function



SPECIFICATIONS

Model	OPL11-45
Illumination	40000~160000/40000~160000 LUX Illumination at 1m on endo mode- 10000 lux
Color temperature	6700>TC>3000K Endo model- 10000 lux
Color rendering Index	100≥Ra≥85
Ceiling height for installation	270-320 cm
Working distance	70-140 cm
Light field diameter	D10 180±40/180±40 mm
Depth of L1+L2 illumination	150 cm
Heat to light ratio	<6mW/m²lx
D50	110±35/110±35 mm
Number of LED bulbs	45/45
Average bulb life (hours)	50000 hours
Max power consumption	90W/90W
Power Supply	100-240V,50/60HZ

OPL11 LED OR SHADOWLESS LAMP

- Adopt imported LED cold light source, white the ultra-thin optical lens
- Adopt digital means for stepless regulation of LED brightness
- Adjust the diameter of light spot and color temperature
- With Endoscopy model
- Removable handle sheath, easy to clean and disinfect
- Nano coating of heat sink has created an excellent heat dissipation effect.
- Imported balance arm, which is flexible up and down



SPECIFICATIONS

Model	OPL11-45A	OPL11-45B
Illumination	40000~160000 LUX (at 1m distance)	
Color temperature	6700>TC>3000K Endo model- 10000 lux	4500K±500K
Color rendering Index	100≥Ra≥85	
Working distance	70-140 cm	
Diameter of spot D50	110+35 mm	
Light field diameter	10-28 cm (at 1m distance)	
Heat to light ratio	<6mW/m²lx	
D10	180±40 mm	
Number of LED bulbs	45	
Average bulb life (hours)	50000 hours	
Max power consumption	90 VA	



OPL11-45A



OPL11-45B

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