
Ceiling mounted LED Operating light LED 720/520(Deckel Maho model)



2. Technical Parameters

Technical parameters:	LED720	LED520
Illuminance (Lux) at 1 meter	160000	120000
Color temperature can be adjusted(k)	4,500 ± 500 K	4,500 ± 500 K
Color rendering index (Ra)	96	96
Lamp electric light intensity control	standard	standard
Light adjust range	10%-100%	10%-100%
Temp rise (doctor head)	0.5℃	0.5℃
Temp rise (Surgical field)	2℃	2℃
Illumination depth (cm)	130	130
Ee (W/m ²)	470	470
Ee/Ec (mW/ m ² lux)	3.3	3.3
Diameter of spot (mm)	100-340	100-340
Bulb number(pcs)	Main bulb:48PCS Said bulb:144pcs	Main bulb:24 PCS Said bulb:72pcs
Bulb brand	Osram CREE	Osram CREE
Bulb type	LED	LED
Bulb life (h)	≥50000	≥50000
Consumed power(W)	88	48
Height adjustment	118	118
Input power	220-240 VAC 50/60 Hz	220-240 VAC 50/60 Hz

3.Configuration:

Generation wide balance arm

Imported electric system from Germany

Imported **HD-LED bulb** and lamp-socket

Power system from Taiwan

ABS operate handle in the lamp rim

Spot size can be adjusted by manual

Color temp can be adjusted: RGBW four primary colour reflect light unitary technology

3.3.2

1). **Shadowless effect:** Shadowless operation light is combined with HD- LED light, fixed position with the computer's precise calculation to reach the perfect shadowless condition. It has high performance in the brightness, depth and spot



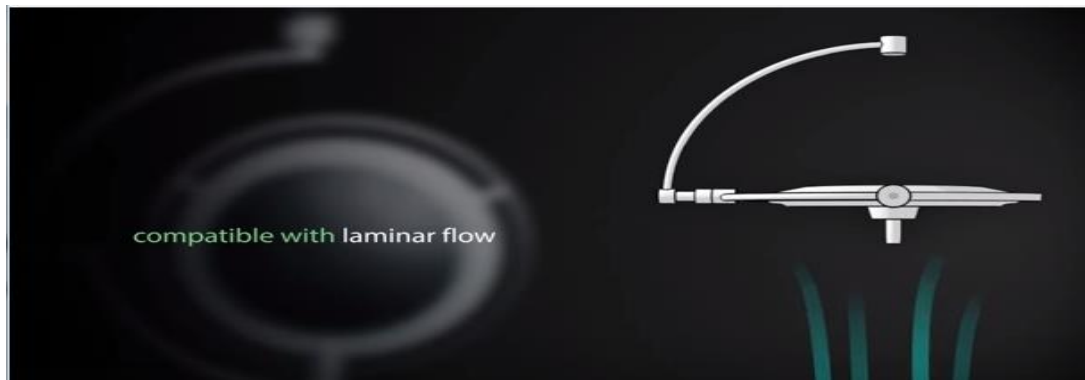
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2.). Natural color

Mingtai LED light is focused on improving the CRI and color temp, makes doctor works on the natural and comfortable light

3.) Suitable for laminar flow operating room

The flat and streamline designed operation light, with low heat producing LED, reduce lamp panel's effect to laminar flow



4.)Excellent cool light: The light adopts LED as light source. During long operation, temperature increase at surgical site is $< 2^{\circ}\text{C}$ and upon surgeon's head $< 0.5^{\circ}\text{C}$. Low temperature increase is good for long operation as well as fast wound heal.

5). Spiral LED spatial arrangement not only provides better focus depth, but also avoid refocus in the process of surgery. Use centralized control method to ensure that single damaged LED doesn't affect surgery illumination.

6). Energy saving effect: At the same brightness, LED power consumption is only 1/10 of incandescent lam, 1/2 of halogen lamp.

7.) Excellent depth of illumination:



8). Long service life: 60,000 hours service life. It is 10 times of halogen lamp, avoiding frequent replacement of lamps during life span. Soft start device ,also can be extend the light life. it can be used 15 years.