

# Mobile Surgical Light



## Detail Spec

Item	Spec
Diameter of lamp (mm)	300
Effective light source diameter of lamp (mm)	240
Color temperature	$4500 \pm 500\text{K}$
Color rendering index	$\geq 90$
The brightest illuminance value of the illuminated surface when the light source is 1000mm away from the illuminated surface (lx)	$\geq 60000$
Irradiance of illuminated surface ( $\text{W}/\text{m}^2$ )	$\leq 350$
Spot diameter $d_{10}$ (mm)	$\geq 80$
Spot distribution diameter $d_{50}$ (mm)	$\geq 90$
Beam depth (mm)	$\geq 800\text{mm}$
Surgeon's head temperature rise ( $^{\circ}\text{C}$ )	$\leq 1$
Temperature rise in operation field ( $^{\circ}\text{C}$ )	$\geq 2$

Operating radius (mm)	$\geq 2200$
Working radius (mm)	600-1800
voltage	220V 50z
Switching power supply (Taiwan) input power	100VA
Single lamp bead power	1W/20
Number of lamp beads	20 ↑
Emergency power supply (optional)	2-3 hours after fully charge
Illumination depth	$\geq 1200\text{mm}$
Color rendering index	$\geq 97\%$
Color reproduction index	$\geq 97$
bright adjustment	High frequency dimming without flicker
Average bulb life	$\geq 60000$ 小时

## Mechanical Movement

movement	Movement range	Diameter of lamp (mm)
	The cross arm tube rotates around the fixed base	360°
	The balance arm tube rotates around the cross arm tube	340°
	The balance arm moves up and down	40°
	The upper elbow rotates around the balance arm tube	340°
	The lower elbow rotates around the upper elbow	260°
	The lamp holder rotates around the lower elbow	260°