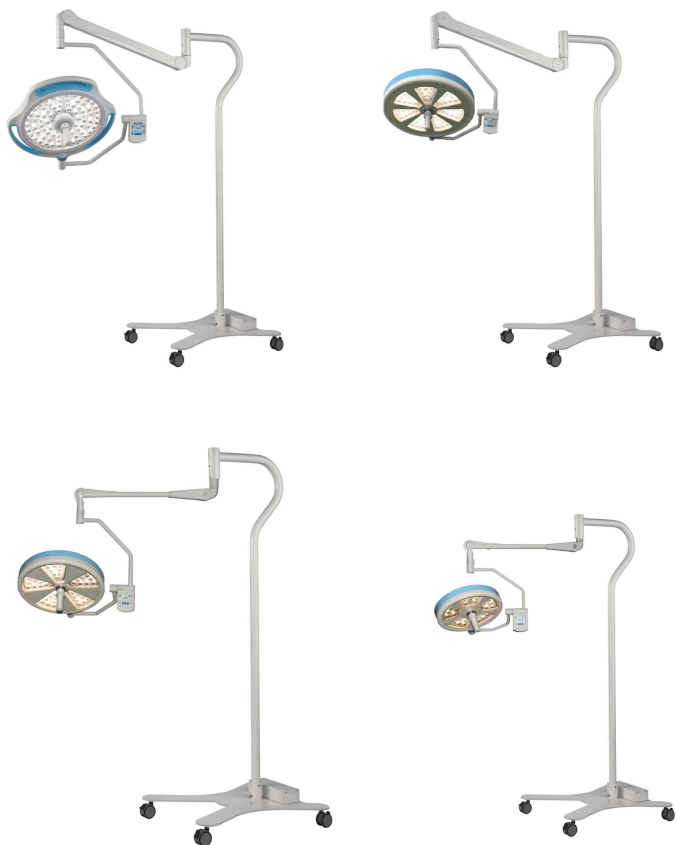


# Mobile Stand Manual



# Mobile Stand Manual

## CONTENTS

1. Objective
2. A range of Application
3. Form and structure and Purpose of use
4. Components
5. Specification
6. How to operate
7. Precautions for use
8. The Items mentioned

# Mobile Stand Manual

## 1. Objective

This quality management proposal is designed for the purpose of the product operating light produced by our company. For the purpose of this proposal, we have included the qualifications, features, manufacture, tests and inspections, label and etc. of the product.

## 2. A range of Application

This product standard applies to the following products of our company.

<b>Item Category</b>	Medical treatment Device		
<b>Products Name</b>	<b>Article Name</b>	<b>Model Name</b>	
	Operating Light	LED 80 Mobile Stand LED 56 Mobile Stand LED 40 Mobile Stand LED 25 Mobile Stand	
<b>Classification</b>	A03010.01	<b>Grade</b>	First Class
<b>Manufacturer</b>	Elpis Medical Co., Ltd		
<b>Origin</b>	Republic of Korea		

## 3. Form and structure and Purpose of use

### 1) Outline

Surgical-use operating light consists of LED lamps that prevents heat rising and shadow on the operating areas by providing a wide range of lightening area to enable precise and successful surgeries.

The LED lamp is designed and made in a function that the use of the light temperature that is closes to that of the natural light and high illumination enables the surgeon to easily distinguish nerves, cellular tissues and blood.

### 2) Purpose of Use

The operating lights in surgery rooms are lightning devices that focuses light rays on destined sections without creating shadows

# Mobile Stand Manual

## 3) Appearance Picture



LED 80 Mobile Stand



LED 56 Mobile Stand



LED 40 Mobile Stand



LED 25 Mobile Stand

## 3) Weight








- ① LED 80 Mobile Stand : About 14kg
- ② LED 56 Mobile Stand : About 12kg
- ③ LED 40 Mobile Stand : About 8kg
- ④ LED 25 Mobile Stand : About 6kg

# Mobile Stand Manual

## 4. Components

SolarMax operating light is consist of upper end, support, lamp housing and control box.

1. Spring Arm :The device that connects Upper and housing, the spring within provides up and down mobility while giving the control to adjust weight balance
2. Lamp Housing :It is consist of lamp, arm bar, sterile handle, controller arm bar and etc, can be adjusted by arm bar to move in all directions flexibly.  
The control box is attached to the arm bar.
3. Controller :Attached to the handle part of the housing, can be controlled conveniently with a remote. The controller can be used to adjust the degree of illumination and the on/off of power supply.

Name		Image	Remark
Housing	1		LED80,56,40,25
Spring Arm	1		
Pipe	2		
Mobile Base	1		
Sterile Handle	Sterile Handle		
Remote Control			Option
Power cable	1		

## 5. Specification

# Mobile Stand Manual

Model	LED 80	LED 56	LED 40	LED 25
Lamp diameter	640mm	680mm	550mm	440mm
Maximum Illumination(Lux)	160,000Lux	160,000Lux	120,000Lux	100,000Lux
Colour temperature(K)	4,300 ± 100	←	←	←
CRI(colour rendering index)	≥96	←	←	←
LED life time	50,000 hours	←	←	←
Light field diameter	Φ100~350mm	←	←	150~250mm
Power consumption	120W	117W	110W	80W
Number of LEDs	80EA	56EA	40EA	25EA
Weight	14kg	12kg	8kg	6kg
Touchon/off	Button panel & Remote			
Dimming range	10~100% (10 Steps)			
Spring arm	Germany Ondal			

## 6. How to operate

### 1) Preparation item before using

- ① Read the instruction book thoroughly beforehand.
- ② Verify and confirm if the electric wire is plugged into the socket.  
(Please also make sure the voltage is 220V)
- ③ Assemble the Sterilized handle by pushing it into the focus controller  
("Tickle" sound should be heard when successfully assembled)
- ④ Switch on the power supply button on the controller and press the lamp exchange inspection switch to see if the power supply of lamp B is on.





### 2) Order of Operation and how to use

- ① Press "on" button of the power switch on the controller
- ② Press the illumination control button & adjust the brightness of the light.
- ③ Utilize the sterilized handle to adjust the angle of the housing to focus on the operating are of the patient.
- ④ Use the focus control handle to adjust the focal point.

### 3) Controller




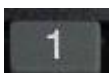


# Mobile Stand Manual



Shape	Name	Function
	Power Supply button	Lamp power supply ON/OFF switch
	Up/Down button	Illumination up control button Illumination down control button
	Increase button	2step increase /decrease control button
	Change over button	laparoscope change button

## 4) Remote



Shape	Name	Function
	Power supply button	ON/OFF switch
	Main LED light increase /decrease button	Control button that increase /decrease lux with 1 step (10%) transition for main LED light
	Sub LED light Increase /decrease button	Control button that increase /decrease Lux with 1 step(10%) transition for Sub LED light.
	Main LED light 2step Increased /decrease button	Control button that increase /decrease Lux with 2 step transition
	Sub LED light 2step increase /decrease button	Control button that increase /decrease Lux with 2 steps transition
	Change over button	Laparoscope Conversion button

## 7. Precautions for use

# Mobile Stand Manual

- 1) This product is to be used by doctors, nurse or person with qualification.
- 2) The product must not be disassembled or reformed under any circumstance.
- 3) If the product is damaged, please turn off the power supply immediately and read the manual to check if the damage could be repaired. If repairing method is not stated in the manual, please do NOT take any action and contact us or the after service center that we have provided.
- 4) Please avoid the following locations for installation:
  - \* Locations that have a temperature below 0 or above 40
  - \* Locations that have an air pressure lower than 700hPa or higher than 1060hPa
  - \* Locations that is exposed to toxic gases
  - \* Locations that are exposed to steam
  - \* Locations that are exposed to high concentration of sand and dust
  - \* Locations that have air of high salinity concentration
  - \* Locations that might be exposed to strong external shock
  - \* Locations that has unstable or varying voltage
  - \* Locations that has an oversupply of electric power
  - \* Locations that are under direct exposure to sunlight
  - \* Locations that has low ventilation
  - \* Locations that might be exposed to high humidity
- 5) When cleaning or washing the product, please keep the power supply OFF, prevent water or any foreign substances from entering into the product
- 6) Please do not exert high pressure or strong shock on the product
- 7) Please do not assemble or attach devices or items that are not products provided by our company to the product. (The safety of the product is not guaranteed when other products are being attached or assembled to the product)
- 8) To ensure a safety usage, please make sure the voltage matches with the power voltage of the product before turning on the power supply.

## 8. The Items Mentioned



# Mobile Stand Manual

1) Manufacturer

Company Name : Elpis Medical Co., Ltd

Address: 16, Saam-gil, Dongnae-myeon, ChunCheon-si,  
Gangwon-do, Korea

2) Production No. and year

① Production No. : Addition mention

② Production Year/Month : Addition mention

3) Production name, Model name

① Name : Operating Light

② Model Name : LED 80 Mobile Stand

LED 56 Mobile Stand

LED 40 Mobile Stand

LED 25 Mobile Stand

③ Registration No : 경인 제신14-15호

4) Weight, Packing unit

① Weight :

LED 80 Mobile Stand : About 14kg

LED 56 Mobile Stand : About 12kg

LED 40 Mobile Stand : About 8kg

LED 25 Mobile Stand : About 6kg

② Packing : 1 set

5) Operation and Caution: mentioned on manual

6) Objective : The operating lights in surgery rooms are lightning devices

7) Storage : average temperature

8) Others : Addition mention

9) This product is medical equipment」

\* The entry items are to be pasted to the machine.