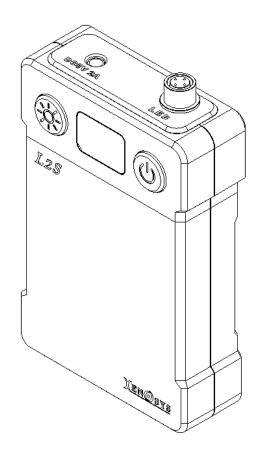
# L2S15

(Portable LED Headlight System)

# **User Manual**





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### INTRODUCTION

Portable LED Headlight System: L2S15 is the medical device with lithium-ion battery and LED light source which is suitable for flashing on to watch the wound or surgery spot. As a portable device, it does not need supplementary holder and fiber optic cable. By the help of co-axial & shadow-free illumination, L2S15 provides you the excellent color rendering with consistent brightness. This product is the medical device and KFDA approval & registration is described like below table.

Registration No.	1909	Certificate No.	Gyeongin Jesin 07-86
Product Category I	(A) General Instruments	Class	Class 1
Product Category II	A03000 Medical Light and Lamps	Product Category III	A03030.01 Operating Headlamp
Product Model No.	L2S15		
Manufacturer	Xenosys Co., Ltd.		
Country of Origin	Republic of Korea		

The external figure of product is like below pictures. Please refer to components on page  $8 \sim 9$ .

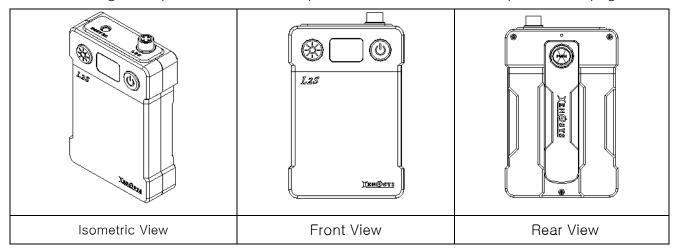


Table A describes features of L2S15 and detail specifications are described from page 19 to 21.

Model	Power	Spectrum	Lamp Type
L2S15	Portable Battery	Visible	LED

Table A: Features of L2S15 (Portable LED Headlight System)

#### **SAFETY & PRECAUTIONS**

Before the usage, you should read the manual & precautions carefully and use it properly. You should follow next procedures and warnings about the battery & other components to prevent any fire, injury, or damage to human body.



## MARNING for Safety:

- 1. Do not heat the product with microwave machine or oven.
- 2. Do not dispose the battery into a fire.
- 3. Do not make direct connection between '+' and '-' of the battery terminal (both edge of battery) simultaneously by the conductor (any metallic object, coin, or clip) which will cause the short-circuit to occur fire or injury to human body. Thus the charged battery should be handled with care.
- 4. The product is not waterproof (Ordinary equipment, IPX0), so avoid the humidity and water.
- 5. Do not use in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide.



### WARNING for Power Unit:

- 1. Do not use any undesignated charger by Xenosys. If any damage or unexpected hazard happens by the usage of undesignated charger, the manufacturer is free from the responsibility.
- 2. In case of any oil spillage or liquid to inside of the product may cause fire or electric shock. Then turn off the power immediately and disconnect the power cord.
- 3. Do not bend or twist the power cord excessively. It may cause fire or electric shock.
- 4. Do not touch the power cord with wet hand which may cause electric shock or equipment damage.
- 5. Do not use L2S15 with connecting directly to the battery pack during the operation or medical practice.



### MARNING for Main Body:

- 1. Never disassemble or undertake modification of the equipment.
- 2. Do not put any metal or flammable object into the main body. It may cause fire or electric shock.
- 3. Any drop or hard shock may cause the potential damage to the equipment.
- 4. Do not use or store the equipment in the area where get the direct ray of light, humidity, dust or soot.
- 5. Clean up with a dry and soft cloth.
- 6. Do not use the detergent or chemical fluid to clean which may cause discoloration.
- 7. Avoid the reach of children or pets.
- 8. Maintain the following conditions for storing the product.

Environment for Storage & Transportation		
Ambient Temperature 10°C ~ 40°C (50°F ~ 104°F)		
Relative Humidity	30 ~ 85% @ 10°C ~ 40°C (50°F ~ 104°F)	
Pressure	860 hPa ~ 1060 hPa	



### MARNING for LED Lens Module:

- 1. Do not drop, crush, or put a high pressure on LED lens module.
- 2. Clean LED lens surface with dipped alcohol or methanol in dry cloth softly.
- 3. Do not bend or twist the connection cable between the main body and LED lens module which may cause the defective.
- 4. LED optic outside emits heat, so be careful on touching.
- 5. Do not look directly into LED lens module or some one's eyes to avoid the risk of permanent eye damage

	RISK GROUP 2
CAUTION	Possibly hazardous optical radiation emitted from this product.  Do not stare at operating lamp. Maybe harmful to the eyes.





- 1. At the first installation, make sure to check the external figure of battery. If there is any spill, swollen, stink, or unusual found, then do not use the product and contact the dealer. If it's normal, then charge the battery fully and use it.
- 2. The battery is lithium-ion rechargeable one.
- 3. When transporting only battery, make sure to keep it in soft case. Do not make any conductor to connect the battery charging point.
- 4. The battery operating time may shorten using in the cold place (below (-10℃) even fully charged one. In that case, warm up the battery within the pocket before using L2S15. Do not heat up the battery with microwave or any heater.
- 5. Use only the charger which is provided by Xenosys.
- 6. Charger battery in the range of  $+10^{\circ}$ C  $\sim +35^{\circ}$ C. It may take longer to charger the battery out of this temperature range.
- 7. Provided battery can be charged and discharged about 300 times at room temperature. Lithium-ion battery is expendables, thus if the operating time is shortened after full charge, we recommend exchanging new battery.
- 8. Be careful on benzene, thinner, alcohol (volatile & flammable fluid) and water. If those chemicals penetrate the battery, it may cause the trouble in circuit and any accident.
- 9. If there is any swollen battery, spill, emit, or fire, stop using immediately and contact the distributor (dealer) or the manufacturer.
- 10. Never use any damaged battery and charger.
- 11. In case of the first installation or unused long time, then charge the battery fully before using.

# MARNING for Charger:

- 1. Do not connect any metallic objects between the cradle connector and battery. This may cause the defective on the charger and charger cradle.
- 2. Use only the charger which is provided by Xenosys on the phone jack. This may cause the defective on the charger and charger cradle.



### MARNING for Disposal:

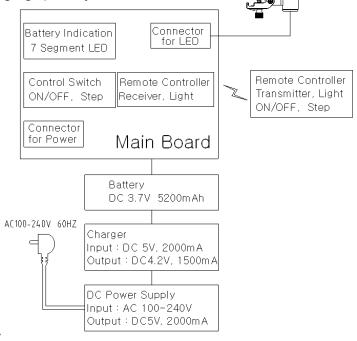
1. In case of careless disposal, it may pollute the environment, so make sure to separate collection.

#### **FEATURES**

1. Operating Principle

L2S15 adopts the way to deliver DC voltage from the battery to LED device through STEP-Down circuit and generate light speed through the lens. Even though battery voltage is reduced, L2S15 allows LED to provide consistent brightness.

- 2. Electrical Rating
  - 1) Battery pack: DC3.7V == 5200mAh (Lithium Ion)
  - 2) LED Control Unit: DC 3.7V 70mA (- This means Direct Current)
  - 3) Charger: Input-DC5V, 2000mA / Output-DC4.2V, 1500mA
  - 4) Power supply: Input-AC100~240V, 50~60Hz, 0.3A / Output-DC5V, 2000mA
- 3. Protection Classification & Type against Electric Short
  - 1) Protection Classification:
    - 1 Battery operated equipment
    - 2 Charger, Charger Cradle: Class II device
  - 2) Protection Type: N/A
- 4. Safety Circuit: L2S15 contains Latching Power Switch circuit and protection circuit for over current & overvoltage to keep the charging quantity.
- 5. Block Diagram: Refer to below figure.



### **COMPONENTS**

### 1. Basic Components



#### 2. Optional

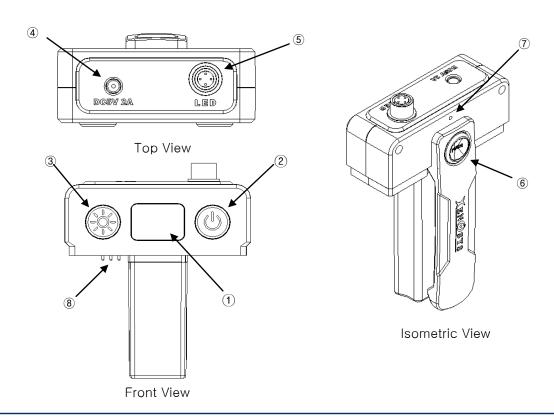


### 3. List of Components

No.	Components	Main function & Page	Qty.	Reference
1	LED Control Unit (LCU15)	Refer to page 9	1	
2	Battery Pack (BTP15)	Refer to page 10	2	Expendables
3	Remote Controller (RC15)	Refer to page 11	1	
4	LED Lens Module (LLM1582)	Refer to page 12	1	
(5)	Charger (LCH15)	Refer to page 12	1	
6	Power Supply (BPM010S05)	Refer to page 13	1	
7	Power Cord (LPC)	_	1	
8	Battery (AAA)	Battery for remote controller	2	Expendables
9	Anti-curing Filter	Anti-curing for photo polymerization(Only for 74 & 82mm)	1	Optional
10	LED Lens Module (LLM1574)	Field of View: Ø74 mm @WD400mm	1	Optional
11)	LED Lens Module (LLM1566)	Field of View: Ø66 mm @WD400mm	1	Optional

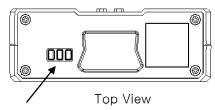
# **FUCNTIONS**

## 1. Main Body (LED Control Unit, LCU15)

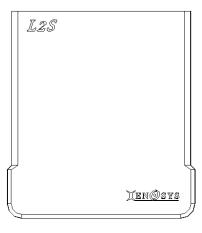


- ① Battery remaining LED signal: Shows how much battery remains. Example) Number from 0 to 99, FU (FULL)
- 2 Power ON/OFF button: Press the button to turn ON/OFF of LED lens module.
- ③ Intensity change button: To change the intensity of light from 1 to 4.
- 4 Power input jack: Connect directly to power supply without using the charger to use & charge at the same time.
- 5 LED lens module connecting jack: To connect LED lens module
- 6 Battery pack release button: To exchange the used battery from the control unit.
- 7 Pairing switch: The switch to set up the pairing between the control unit and remote controller
  - (Refer to page 11 for setting up the pairing)
- 8 Charging terminals

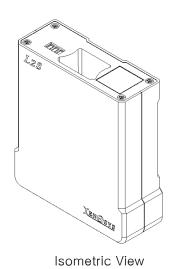
#### 2. Battery Pack (BTP15)



1 Charging terminal



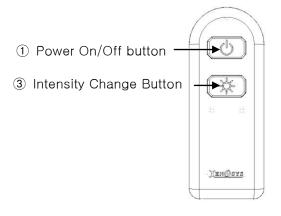
Front View

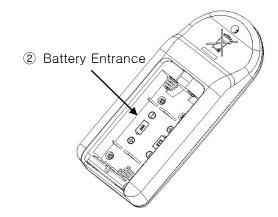


① Battery: 3.7V / 5200mAh Li-ion

Marning – Read the warning for battery from page 5 to 6 before usage.

3. Remote Controller (RC15)





- 1) ①Power On/Off button: Press the button to turn ON/OFF of LED lens.
- 2) ②Battery entrance: 1.5V (2 EA), AAA size.
- 3) ③Intensity change button: Possible to change LED intensity from 1 to 4.

WARNING: To prevent the loss of battery power, the stand-by power of remote controller will be shut down after turn-off by the remote controller (RC15). If you want to use remote controller again, turn on the button of the control unit (main body).

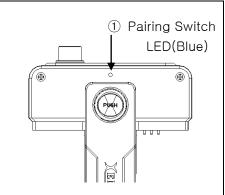
MARNING: Control unit and remote controller will be provided with pairing. To set up & release the pairing is as follows.

#### How to set up the pairing

- 1. Turn on the control unit (LCU15)
- 2. Push the pairing switch for **one second** and release -> Blue light blinking
- 3. Push & release On/Off button of remote controller -> Blue light will linger and off
- 4. Pairing complete.

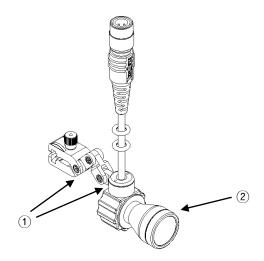
#### How to release the pairing

- 1. Turn on the control unit (LCU15)
- 2. Push & hold the pairing switch more than **5 seconds** -> Blue light blinking
- 3. Push & release On/Off button of remote controller -> Blue light will linger and off
- 4. Release pairing complete.



A. If the pairing is released, it can be controlled by other remote controllers.

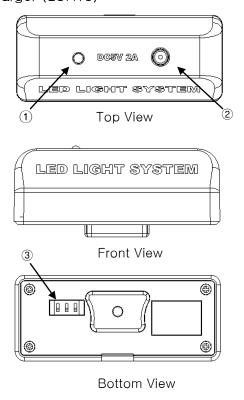
4. LED Lens Module (LLM1582)

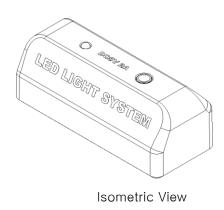


- ① Adjustable link: LED Lens module can move up-down, and left-right side.
- ② 3 types of LED Lens Module available (Choose one)

Class	Type	Feature (Field of View)	Reference
Standard	LLM1482	Ø82mm@WD400mm	Basic
Option 1	LLM1474	Ø74mm@WD400mm	
Option 2	LLM1466	Ø66mm@WD400mm	

### 5. Charger (LCH15)





- ① Charging Signal LED: Orange Charging, Green Finished charging.
- ② DC5V Connecting Jack: DC5V power supply connecting jack.
- 3 Charging terminals: Assemble the battery pack (BTP15) and connect power supply to start charging the battery.

# MARNING:

- Do not connect any metallic objects to the charging terminal except the battery.
- Charging terminal is weak at external shock, so be careful on assembling the battery pack. If the charging terminal is broken, it is out of order.

Warning - Do not use non-Xenosys supplied power supply. This will cause severe damage to the cradle & main body which is also excluded from the under warranty.

#### 6. Power Supply



① Charging plug: To supply the power to DC5V connecting jack.

Warning – Do not use any other device randomly which may cause the defective reason. In case of using non–Xenosys–supplied charger with higher voltage (over 5V), it will cause the severe damage to main body. Please check if its Xenosys supplied charger and the serial number. If it's Xenosys supplied one, then stop using and contact the distributor (dealer) or the manufacturer. If not, make sure to use Xenosys DC5V power supply.

#### **OPERATING INSTRUCTION**

#### A. Preparation before usage

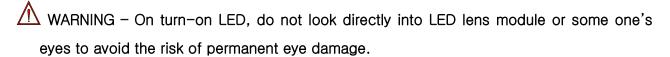
- 1. Check components
  - Components are shown on page  $8\sim9$ . They can differ from the picture and replace or delete with new parts for better performance.
- 2. Charging battery & Assembling components

The battery is not completely charged, so charge them fully before the first-time usage.

- ① Connect power supply & charger to supply the power.
- ② If the battery is fully charged, it will show green light on charger LED.
- 3 Assemble the control unit & fully charged battery, then connect LED lens module wire to the circular connector of the control unit.

#### B. Operating Instructions

- 1. Finish the preparation and put the main body to waist belt or inside of pocket.
- 2. When using headband, connect LED lens module to headband attachment and adjust to your head. When using surgical telescope, connect LED lens module to glasses nose bridge part.
- 3. Use gown clips to fix the wire and remove the protection cap of LED lens module.
- 4. Turn on the button of control unit to start the light operating and change the position of lens module to your own needs
- 5. Press the intensity change button either control unit or remote controller to match your own needs of light intensity.



#### C. Maintenance & Storage after use

1. If the usage is done, press the power ON/OFF button to turn off. Then store it to the case after cleaning dirt or bloods for further use.



Caution – When no-use for long time, make sure to remove the battery from the battery pack.

- 2. Store LED light in the place free from the air with pressure, temperature, humidity, wind, ray of light, dirt, salinity, and ion.
- 3. Store L2S15 in the place free from the declination, shack, and shock.
- 4. Store L2S15 in the place free from gas, smoke, and chemical fluid.
- 5. Clean up & wash for next time use.

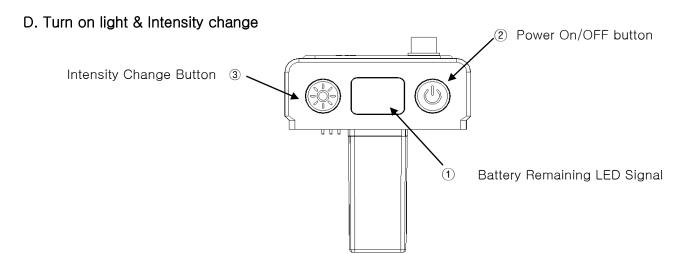
Caution – External can be cleaned with soft cloth. In case of heavy pollution, try with a bit of neutral detergent and make sure to NO water or electrolyte flow into the main body.

- 6. In case of malfunctioning, stop using immediately and contact the dealer.
- 7. Do not disassemble, repair, or modify the equipment by unauthorized personnel.
- A Caution- Unauthorized disassemble, repair, or modification are out of warranty.
- 8. The way to maintain the battery lifespan longer is to exchange fully charged battery before "beep" sound and the battery alarm sign, and recharge the used battery.
- 9. Warning for storage of battery pack

As Li-ion battery is small-sized with high power, if it is stored fully charged condition for a long time, the battery lifespan can be reduced.

- (1) Store it under half-charged condition in case of non-use immediately.
- (2) Store the battery with separated from the main body in case of long-time no use.
- (3) Recommend to keep it in the dry condition with ambient temperature range of  $6\,^\circ$ C  $\sim 40\,^\circ$ C. Keep away from too hot or extremely cold places.
- 10. Battery Service Life

Provided battery can be charged and discharged about 300 times at room temperature. Lithium-ion battery is expendables, thus if the operating time is shortened after full charge, we recommend exchanging new battery.



- 1. Assemble the control unit & battery pack, then press power ON/OFF button to start.
  - ① Check the light comes out from LED lens module.
  - ② Check the battery remaining signal on front of control unit. (It will show with the unit of % for remaining value)
  - ③ If fully-charged battery installed, it will show "FU". As battery will be exhausted, the remaining value will show "99" ~ "0". "Beep" alarm sound will come on less than "10", and we recommend recharging the battery. After "Beep" sound, the power will shut down after 10 minutes.

Caution - Please exchange fully charged battery or recharge when hearing "beep" sound and only a few moments light come which means the battery is not charged.

2. Press the intensity change button to adjust desired brightness.

One press will apply to change one step each (STEP 1st, 2nd, 3rd, 4th).

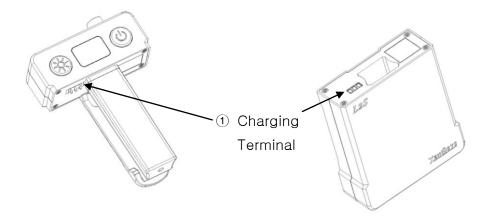
Below table will indicate LED lens module brightness (Ix@WD400mm) & operating time.

	Illumination				
STEP	Brightness(Ix) @WD400mm Operating			Operating	
STEI	LLM0982	LLM0982 LLM0974 LLM0966 Time (hr)		Time (hr)	
1 st	12,000	12,000 13,000 17,000 23		23	
2 <sup>nd</sup>	22,000	24,000	32,000	11	
3 <sup>rd</sup>	30,000	32,000	44,000	8	
4 <sup>th</sup>	39,000	43,000	59,000	5	

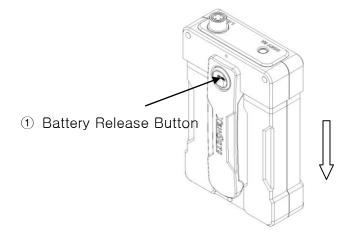
- 3. Adjust LED lens module up-down or left-right to locate the desired position. External LED lens module's temperature will go up to 54°C (max.) during usage, so be careful.
- 4. After finishing the usage, press the power ON/OFF button to turn off.

#### E. How to release the battery pack

1. Mach two charging terminals of control unit and battery pack to assemble.



2. One hand of index finger will be on the battery release button, and another hand to hold sides of battery pack. Then press the battery release button and pull out the battery pack to downward at the same time to disassemble the battery.



# F. LED Lens Module attachment examples

1 Headband



③ Flip-up Loupe



⑤ Protective Goggle



② TTL Loupe



4 Usual Glasses



# **BASIC TROUBLESHOTTING**

Symptom	Check Point	Troubleshooting	
	Check if the battery pack is properly installed.	Assemble the battery pack properly to charging terminal.	
No light comes from LED	Check if the battery is discharged.	Recharge the battery.	
lens module	Check if the cable connection is properly installed.	Connect properly again.	
Light comes on a few moments and turn off	Check the battery remaining quantity	Recharge the battery	
After exchange of battery, the light intensity is not enough  Check the intensity is properly adjusted.		Adjust the intensity step.	
Discharging time is too fast	Check if the battery is fully charged. (Check the battery remaining LED)	If the battery running time Is too short even fully charged, we recommend exchanging with new battery as it is expendables.	
Light flickers intermittently	Check the wire connection part - loose contact or not.	Contact the distributor or manufacturer	

### **SPECIFICATIONS**

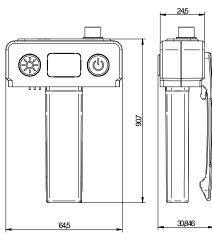
#### 1. Measurement & Weight

### A. LED Control Unit (LCU15)

1) Size: Refer to below photo

② Weight: 45 g

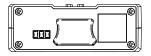


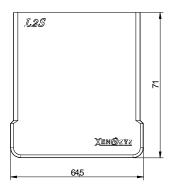


### B. Battery Pack (BTP15)

① Size: Refer to below photo

2 Weight: 130 g



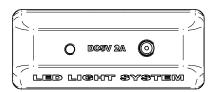


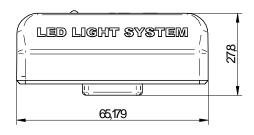


### C. Charger (LCH15)

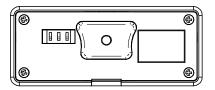
① Size: Refer to below photo

② Weight: 20 g





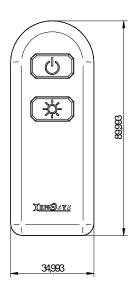


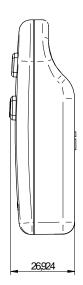


### D. Remote Controller (RC15)

1) Size: Refer to below photo

2 Weight: 56 g (including AAA battery)



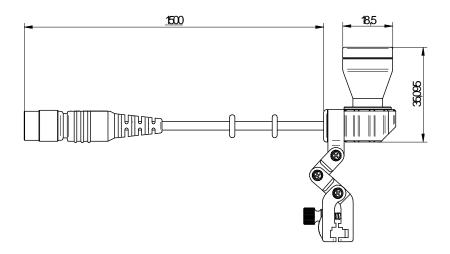




### E. LED Lens Module (LLM1582)

1) Size: Refer to below photo

② Weight: 62 g



### F. Power Supply (BPM010S05)

① Size: 95(L)x53(W)x33(H) [mm]

2 Weight: 176 g



#### G. Power Cord (LPC)

① Size: 1.8 m

2 Weight: 90 g (EU cord example and can differ from other cord)



### 2. Details of Specification

### **Electrical Specification**

Input Voltage	- DC5.0V === 600mA	
Operating Power	■ 3.0W	
Operating Time	<ul> <li>About 23 hrs. (1<sup>st</sup> step mode: Minimum intensity),</li> <li>About 11 hrs. (2<sup>nd</sup> step mode),</li> <li>About 8 hrs. (3<sup>rd</sup> step mode)</li> <li>About 5 hrs. (4<sup>th</sup> step mode: Maximum intensity)</li> </ul>	
Charging Time (Full charge)	■ 5 hours	
Power of Charger  Input: DC5V == 2A  Output: DC4.2V == 1.5A		
Power of Power Supply	<ul> <li>Input: AC100~240V, 50-60Hz, 0.3A</li> <li>Output: DC5V === 2A</li> </ul>	
Light Source	■ High Power LED (White Color)	

### LED Illumination

Brightness (lx) @ WD400mm	Type	LLM1582	LLM1574	LLM1566
	1 <sup>st</sup> step	12,000	13,000	17,000
	2 <sup>nd</sup> step	22,000	24,000	32,000
	3 <sup>rd</sup> step	30,000	32,000	44,000
	4 <sup>th</sup> step	39,000	43,000	59,000
Field of View (mm) @WD400mm		Ø82	Ø74	Ø66
Weight (g)		35.1	32.8	34.2
Color Temperature, Wavelength Range		■ 6000 K, 400 ~ 700 nm(Visible)		
Uniformity		■ More than 80% @WD400mm		
LED Operating Power		■ 2.4 W (max.)		
LED Life Span (Guaranteed Time)		■ 50,000 hours		

### Replacement Components

Battery Pack	■ DC3.7V === 5200mA Li-ion
Power Supply	■ Input: AC100~240V, 50-60Hz, 0.3A
	Output: DC5V === 2A

#### Package External Figures & Weight

External Figures	■ W 363 x H 282 x T 120 (mm)
Total Weight	■ 3.50 kg

#### **ELECTROMAGNETIC COMPATIBILITY**

#### **Electromagnetic Compatibility**

It is designed to protect the medical equipment from the harmful interruption. This system occur electromagnetic interruption within the acceptable range. And, if it is not installed nor used properly to the direction, it may generate radio wave energy to cause any harmful interruption to some other equipment around. It cannot guarantee that the interruption will not give any influence to specific equipments. When the device is powered on, you can find out if it generates electromagnetic interruption or not.

Recommend to choose one and more ways to solve the trouble in the following ways.

- 1. Relocate the equipments receiving the interruptive wavelength.
- 2. Put the each equipment in longer distance.
- 3. Connect the equipment to the different outlets from the ones connected to other equipments.
- 4. If you need expert's help, contact to manufacturer or professional distributor.

#### **TRANSPORATION**

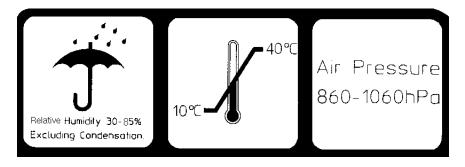
- 1. To protect L2S15 from any damage in transportation, pack it by plastic bubble wrap or shipping box.
- 2. Load L2S15 boxes up and down evenly by handcart and any vehicle trunk to transport.
- 3. 3. When you carry L2S15 by hand, hold it with two hands firmly and disconnect charger, and power cord from the main-body for safe transportation..

### **STORAGE**

1. Maintain the following conditions for storing main products & components.

Environment for Operating & Storage		
Ambient Temperature	10℃ ~ 40℃	
Relative Humidity	RH30% ~ 85%	
Pressure	860 hPa ~ 1060 hPa	
Environment for Transportation & Storage (Non-operating)		
Ambient Temperature	10℃ ~ 40℃	
Relative Humidity	RH30 ~ 85%	
Pressure	860 hPa ~ 1060 hPa	

External box marking will be as follows.



- 2. Do not pull out, twist, nor bend excessively the power cord.
- 3. Wind up the power cord loosely, and store it by using the rubber bandage or cable tie.
- 4. Do not expose the main body to excessive shock, direct ray of light and high temperature which may cause the defective reason.
- 5. Caution for battery storage: As Li-ion battery is small-sized with high power, if it is stored fully charged condition for a long time, the battery lifespan can be reduced.
  - ① Store it under half-charged condition in case of non-use immediately.
  - ② Store the battery with separated from the main body in case of long-time no use.
  - ③ Recommend to keep it in the dry condition with ambient temperature range of +15°C ~ +25°C. Keep away from too hot or extremely cold places.

### **CLEANING INSTRUCTION**

- 1. Clean up LED lens module surface by soft cloth with neutral detergent regularly to remove dirt, and leave it dry for usage.
- 2. Do not use volatile chemicals like benzene, alcohol, thinner, and acetone for cleaning. If there is any contact of these chemicals to the surface, clean it by soft cloth dipped with neutral detergent. However, the manufacturer is not responsible for any defect caused by these chemicals.
- 3. Do not expose the equipment to the sterilizing or cleaning process with excessive temperature and humidity. In case of the exposure, it will cause the damage to the equipment and out of warranty. Especially, inside parts of the main body do not allow the contact of any liquid.

#### **SERVICE & WARRANTY**

- 1. This service & warranty statement applies to all countries to the extent that there is no special warranty rule.
- 2. All services & warranty should be provided by Xenosys Co., Ltd. or authorized personnel by Xenosys Co., Ltd.
- 3. Warranty becomes effective from the sales date for material, production defective, or defect under the normal use. Thus the warranty period starts from the first purchaser's sales date. Warranty will not be applied for abuse, improper use, negligence, improper installation, and operation or any remodeling, adjustment and modification by unauthorized personnel or technician. Refer to the warranty period in line #12.
- 4. Exchanged or any broken part after repair become to the property of Xenosys Co., Ltd.
- 5. There is no extended or renewed warranty period after the repair or replacement is done.
- 6. No warranty will be applied in case of the modification or personalized part by customer's request.
- 7. No warranty will be applied in case of no serial number or hard to detect the proper one.
- 8. Changes in this limited warranty require the previous approval from Xenosys Co., Ltd.

- 9. If there is any defect happens which cannot be handled by troubleshooting in this manual, return it to the manufacturer. Then Xenosys will take care of it. If the qualified engineer determines that the defect comes from the abuse or improper use, warranty will not be applied. The repair cost shall be notified prior to the service & repair work starts.
- 10. Before sending the equipment need for repair, contact the manufacturer or distributor. Then the manufacturer or distributor will report details with RMA No. and related reference which will make easier to track.
- 11. There are no user serviceable parts in this product. Please send the product to the distributor (dealer) for servicing. Technical description or manual is available upon request.
- 12. Warranty period of L2S15
  - 1) L2S15 (except battery pack): 1 year
  - 2) Battery pack: 6 months

### EC REP EU Representative (EU Repräsentant)

- 1. Company: Cormedics Medizintechnik GmbH
- 2. Address: Bahnhofstr. 32, 82041 Deisenhofen, Germany
- 3. Tel (Fon): +49 (0)89 666 58 79 15
- 4. Fax: +49 (0)89 54 999 030
- 5. E-mail: <u>a.huettl@cormedics.com</u>6. Web: http://www.cormedics.com

#### **\*** Revision List

Version No.	Release Date	Revision
Version 1.0	May, 2015	1 <sup>st</sup> draft



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