

FEATURE

- Illumination is similar to sunlight
- Brighter than others
- Larger and Uniform
- Co-axial lighting system (No shadow)
- Easy to exchange battery pack
- Easy to recharge
- Long operating time
- Easy to clip main body onto belt
- One extra free battery pack
- Auxiliary control unit (Remote control)



SPECIFICATION

- Lamp Type
 - High power LED (White color)
- Weight
 - Control Unit : 40g, Battery pack: 126g,
 - LED Lens Module (has 3 optional types)

Model	LLM0982	LLM0974	LLM0966
Weight	35.1 g	32.8 g	34.2 g

Where LLM0982 is standard model.

- Brightness & Operating time

Step	Brightness (lux) @WD400mm			Operating time (hrs)
	LLM0982	LLM0974	LLM0966	
1 st step	9,000	10,000	14,000	18
2 nd step	16,000	19,000	26,000	9
3 rd step	20,000	23,000	32,000	7
4 th step	24,000	28,000	38,000	5

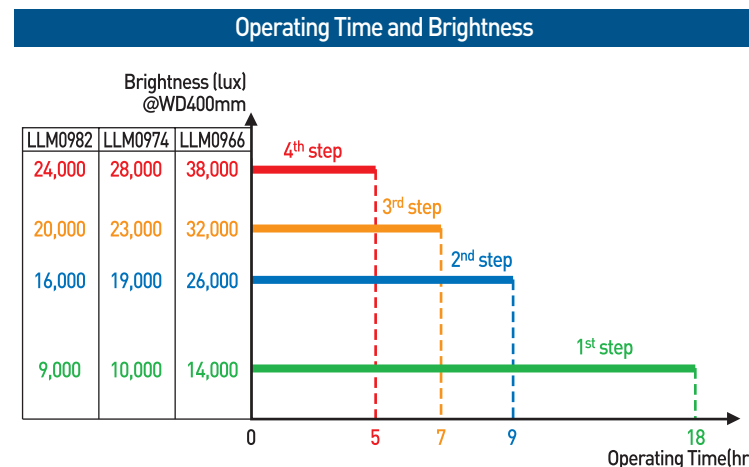
- Diameter of Illumination@WD400mm

Model	LLM0982	LLM0974	LLM0966
Dia.	Ø82 mm	Ø74 mm	Ø66 mm

- Electric charging time : 5 hrs (full charge)

- Optional Accessory

- Protective Goggle
- Headband
- Anti-curing Filter
- Universal adapter clip for general glasses



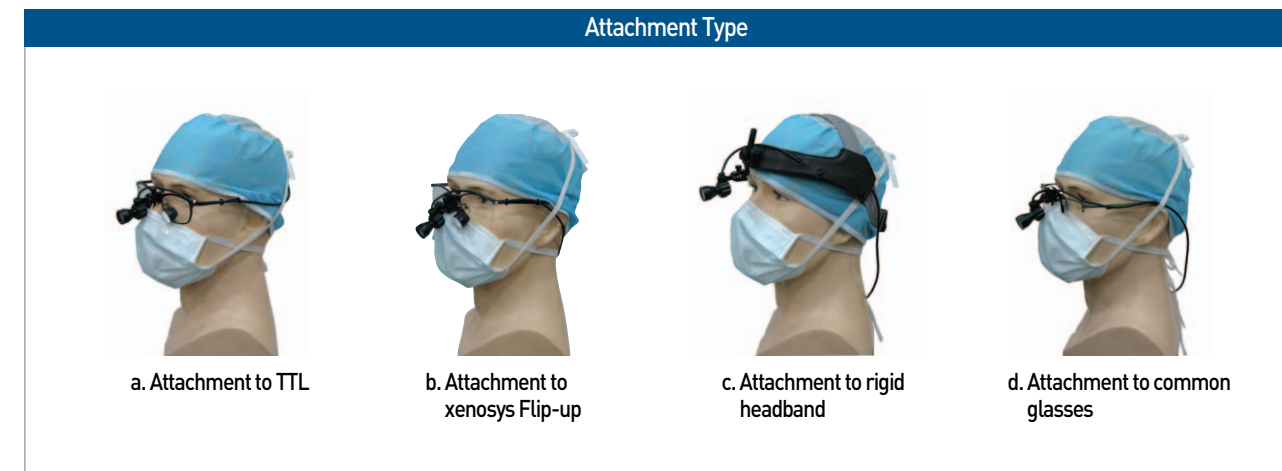
※ Under condition of battery charging for 3 hrs

The detailed features of LED Headlight

1. L2S is brightest among the existing LED Headlight systems.
2. LED has the power consumption of 2watt comparing to other products with 3 watt.
3. The illumination area is large and the brightness distribution is uniform.
4. The illumination and sight is at same axis without any shadow.



5. L2S can be attached to headband, surgical telescopes (TTL, Flip-Up) and any glasses easily. It has light weight.



6. By applying a constant current circuit, there is no change of brightness during its working.
7. Remaining battery power can be checked by lamp indicator and by beeping at 5 minute before power off.
8. The battery pack is normally charged for 3 hours and it can work for 5hours (4th step mode) at least and up to 18 hours (1st step mode).
9. Battery can work for 300 time recharges and discharges at least (typically 500 times) and the lifetime of LED element is above 50,000 hours normally.

SURGICAL TELESCOPES & PORTABLE LED LIGHT SYSTEM



Looks® Looks brings the clarity of Daylight into the surgical suite



www.xenosys.co.kr

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www.xenosys.co.kr

FEATURE

- Larger field of view & depth of focus
- Lighter & Smaller Telescopes
- Clear & Bright vision over full field
- No distortion, no fatigue
- The telescope of KEPLERIAN type which Prism is contained internally offers high resolution : Looks3500, Looks5000 series
- Frame
 - Frames of Anti-allergic Pure Titanium & laser protective goggle
 - Ergonomic and Stylish Pure Titanium frame & Plastic temples
- Color of Frame

Front part



Rear part



Front / Rear



SPECIFICATION

Model	Mag.	F.O.V.@40cm	Weight*
Looks2500	2.5X	160mm@40cm	41.0g
Looks3000	3.0X	70mm@40cm	46.8g
Looks3500	3.5X	98mm@40cm	75.5g
Looks5000	5.0X	62mm@40cm	83.0g
Flip-up	Magnification : 2.5x, 3.0x Working Distance : 30cm, 36cm, 42cm, 48cm		

*Weight based on TTL loupe with plano lens

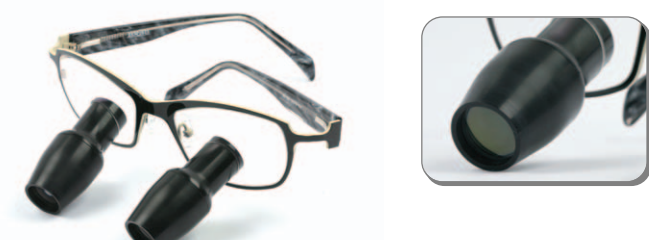
>>> Looks 2500



>>> Looks 3000



>>> Looks 3500



>>> Looks 5000

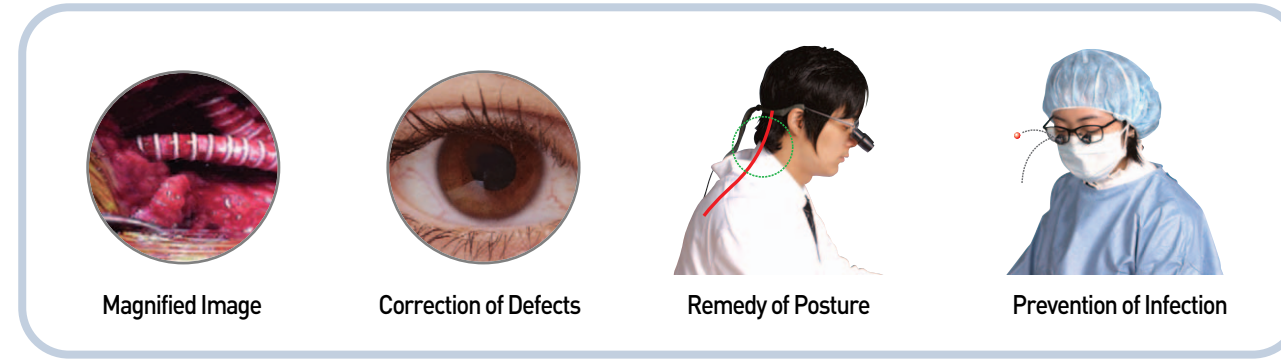


>>> Flip-up 2.5x, 3.0x



Why do we wear the Surgical Telescope?

1. Magnified Image → Resolution limit that be accorded sensor density of human-eye
2. Correction of Defects → Myopia, Hypermetropia, Astigmatism, Presbyopia, Strabismus
3. Remedy of Posture → Keep a straight & better posture to prevent backache or stiff shoulder.
4. Protection from Infection → Eye-wear like protective goggle



What kind of Surgical Telescope shall be recommended?

A good surgical telescope should have small size, optimization of optical performance, and co-axial alignment & convergence of its two sight lines into one point. It is important to select products properly manufactured through accurate evaluation technology. Three conditions of selection are as follows;

1. Optical : Mag., FOV, Depth of Focus, Resolution, Unaffected Color, Aligned Axis.
2. Mechanical : Rigidity, Durability, Allergy (mat'l), Appearance.
3. Comfortable : Weight, Size, Fitting.

	Optical performance	Weight	Size	Convergence
Good	No distortion / Clear 	Light 	Small 	Aligned axis
Bad	Distortion / Blur 	Heavy 	Large 	Misaligned axis

LED Lens Module



Control Unit



Auxiliary Control Unit



Battery Pack (Provide one spare battery pack)



Charging Cradle



Battery Charger



Optional Accessories



Model	LLM0982	LLM0974	LLM0966	
Brightness(lux) @WD400mm	1 st step	9,000	10,000	14,000
	2 nd step	16,000	19,000	26,000
	3 rd step	20,000	23,000	32,000
	4 th step	24,000	28,000	38,000
Illumination diameter @WD400mm	Ø82mm	Ø74mm	Ø66mm	
Weight	35.1g	32.8g	34.2g	
Uniformity	more than 68%@WD400mm			
Light Source	High power LED (2 watt)			
Color Temp.	6000 K			
LED life span	50,000 hrs or more			

Power Switch	ON/OFF
Brightness control	4 step control
Input voltage	DC 7.4V
Weight	Control unit : 35 g, Auxiliary control unit : 21.2 g

Operating Time (Under condition of 3hr - charging)	18 hrs @1 st step
	9 hrs @2 nd step
	7 hrs @3 rd step
	5 hrs @4 th step
Battery type	Li-ion
Capability	DC7.4V, 2600 mA
Charging time	5 hrs (full charge)
Weight	126 g

Input	AC100-240V, 50/60Hz, 1.0-0.55A
Output	DC8.4V, 1.5A