

ILLUCO
Beyond the vision



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reddot winner 2022
medical devices and technology



Main Service

- Medical Loupes
- Medical Headlights
- Dermatoscope
- Skin Magnifier
- Optical Design
- Optical Components

ILLUCO

- Loupes | Angled / TTL / Flip-up
- Headlights | Wired / Wireless



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We will always develop products that customer concerns it is value and provide "one-stop service systems" ranging from design, manufacturing, assembly and quality control to testing. We will do our best to create the best value for our customers.

In the field of optics, we still pay our special attention from the design to the quality test and mass production in order to satisfy the needs of our customer.

Working with "craftsmanship in mind" is our first priority and that is and will be our key to survive and make a name in the market.



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ILLUCO Loupes

Angled Loupes (IAL Series)

TTL Loupes (ITL Series)

Flip-up Loupes (IFL Series)

ILLUCO Loupes

creates an ergonomic posture and a comfortable view.

ILLUCO has a lot of design and production experience with optics.

Optical systems of Loupes are designed, manufactured and assembled exclusively by ILLUCO in Korea. It uses an ultra-low dispersion lens (ED) to minimize chromatic aberration to show vivid color reproducibility and high sharpness images, Broadband Anti-Reflection (BBAR) is applied to maintain a clear image in any environment.



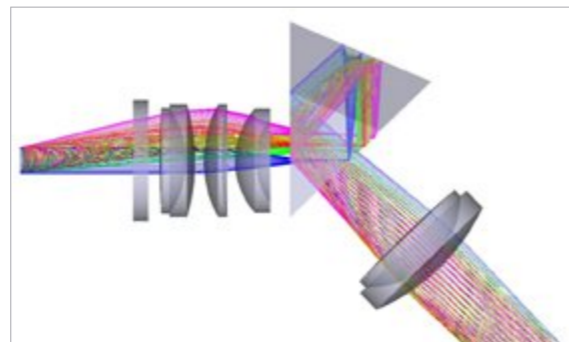
Angled Loupes

IAL Series

- Highly sophisticated custom-made product for individual needs
- Reduce eye fatigue and the tension on the neck and back by looking forward
- Increase comfortable wearable time by taking a good posture
- Wide field of view and clear resolution
- Outstanding modern design with a smooth curved shape
- Recommend from a long-term perspective



◀ Laser aligned



SPECIFICATIONS

Model	Type	Magnification	Galilean or Prismatic	FOV(Cm) @45 Cm	Working Distance (Cm)	Resolution (lp/mm)	Weight(g) without spectacle
3.5x	Angled	3.5	PM	10.5	30~75	13	44.00
4.5x	Angled	4.5	PM	10.5	30~75	13	48.00

TTL Loupes

ITL Series



- From low to high, various magnifications
- Remarkable lightweight and high resolution
- Wider Field of View by attaching closer to eyes.
- Perfect clarity through an exclusive optical design
- Wide range of choices based on preference and convenience



SPECIFICATIONS

Model	Type	Magnification	Galilean or Prismatic	FOV(Cm) @45 Cm	Working Distance (Cm)	Resolution (lp/mm)	Weight(g) without spectacle
2.5x	TTL	2.5	GL	15.0	35~55	8	15.00
3.0x	TTL	3.0	GL	11.0	35~55	10	44.00
3.5x wide	TTL	3.5	GL	10.5	35~55	9	46.00
3.5x	TTL	3.5	PM	9.0	35~55	10	46.00
4.5x	TTL	4.5	PM	8.0	35~55	10	52.00
5.5x	TTL	5.5	PM	7.0	35~55	15	52.00
6.5x	TTL	6.5	PM	6.5	35~55	15	54.00

Flip-up Loupes

IFL Series



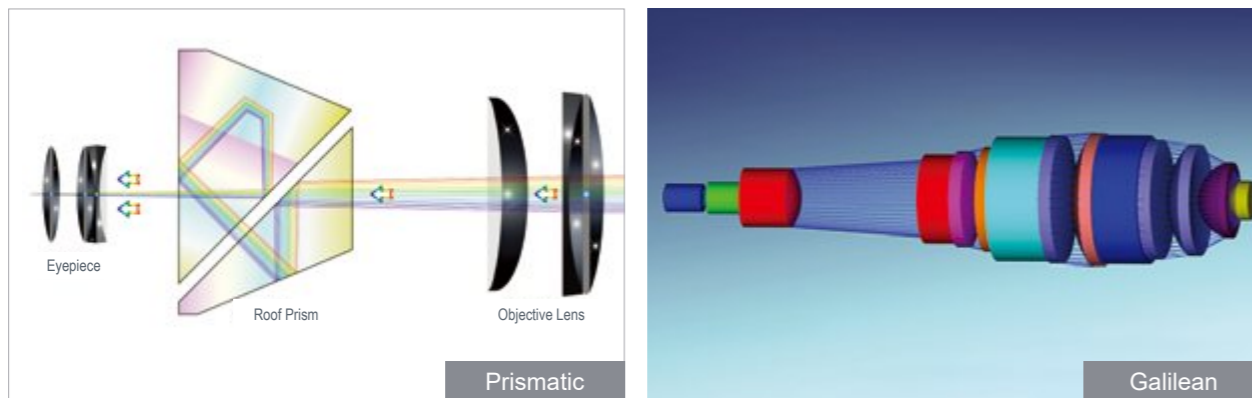
- Adjustable pupil distance by customers themselves
- Individual adjustment the left and right pupil distance
- Removable prescription lens
- Mount directly on the customer's own frame using now



IFL 2.5x



IFL 3.5x



SPECIFICATIONS

Model	Type	Magnification	Galilean or Prismatic	FOV(Cm) @xx Cm	Working Distance (Cm)	Resolution (lp/mm)	Weight(g) without spectacle
2.5x	Flip-up	2.5	GL	9.0	35-55	10	48.00
3.5x	Flip-up	3.5	GL	12.0	35-55	9	65.00

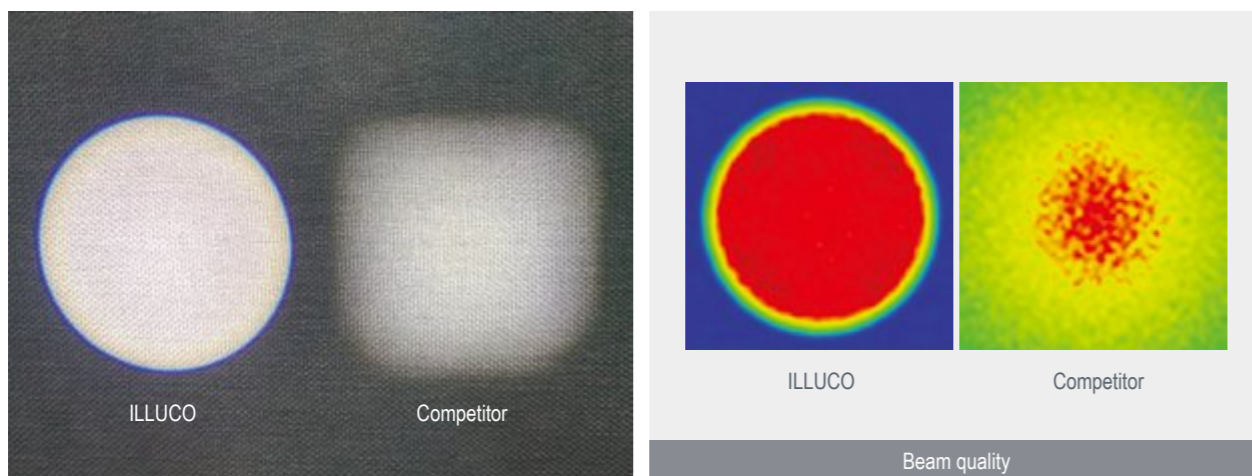
ILLUCO Headlights

Wired Headlight (IHL-1000)

Wireless Headlight (IHL-2000)

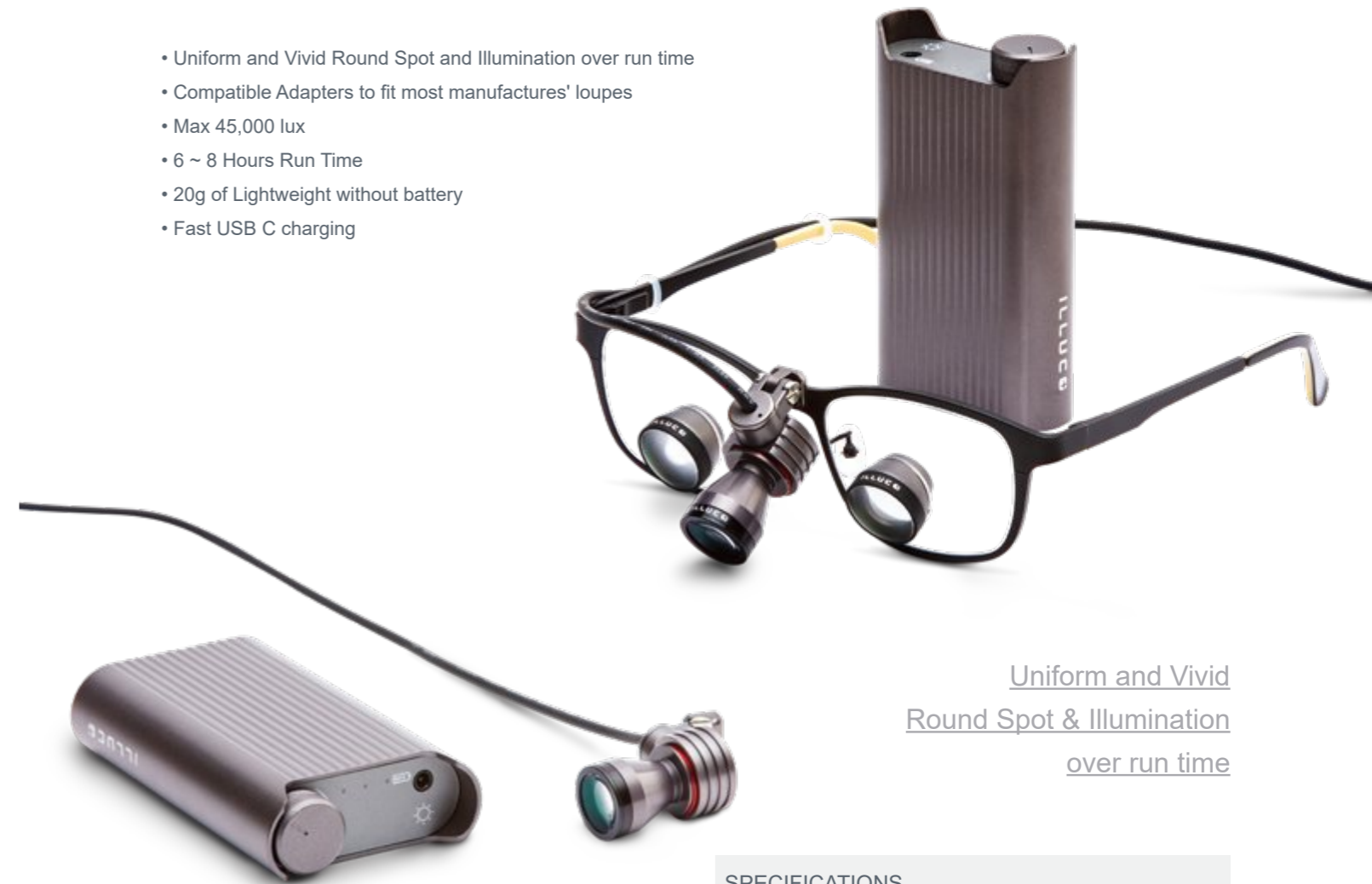
ILLUCO Headlight

creates better consistent ray uniformity over working distance range.
 ILLUCO has a lot of design and production experience with optics.
 Optical systems of Headlight are designed, manufactured and assembled exclusively by ILLUCO in Korea



Wired Headlight IHL-1000

- Uniform and Vivid Round Spot and Illumination over run time
- Compatible Adapters to fit most manufactures' loupes
- Max 45,000 lux
- 6 ~ 8 Hours Run Time
- 20g of Lightweight without battery
- Fast USB C charging



Uniform and Vivid
Round Spot & Illumination
over run time

SPECIFICATIONS	
Weight	214g
Light intensity	45000 lux
Color temperature	6000K
Focus beam size (@ 400mm)	105mm
Led life	50,000 hr
Battery Type	3.7V, 4800mAh
Battery Life	6 ~ 8 hr
Charging time	3.5 hr
Battery life time	500 Recharge cycles
UV filter	included
LOW BATT indicator	LED
Indication of the battery recharge condition	6 levels



Wireless headlight

IHL-2000

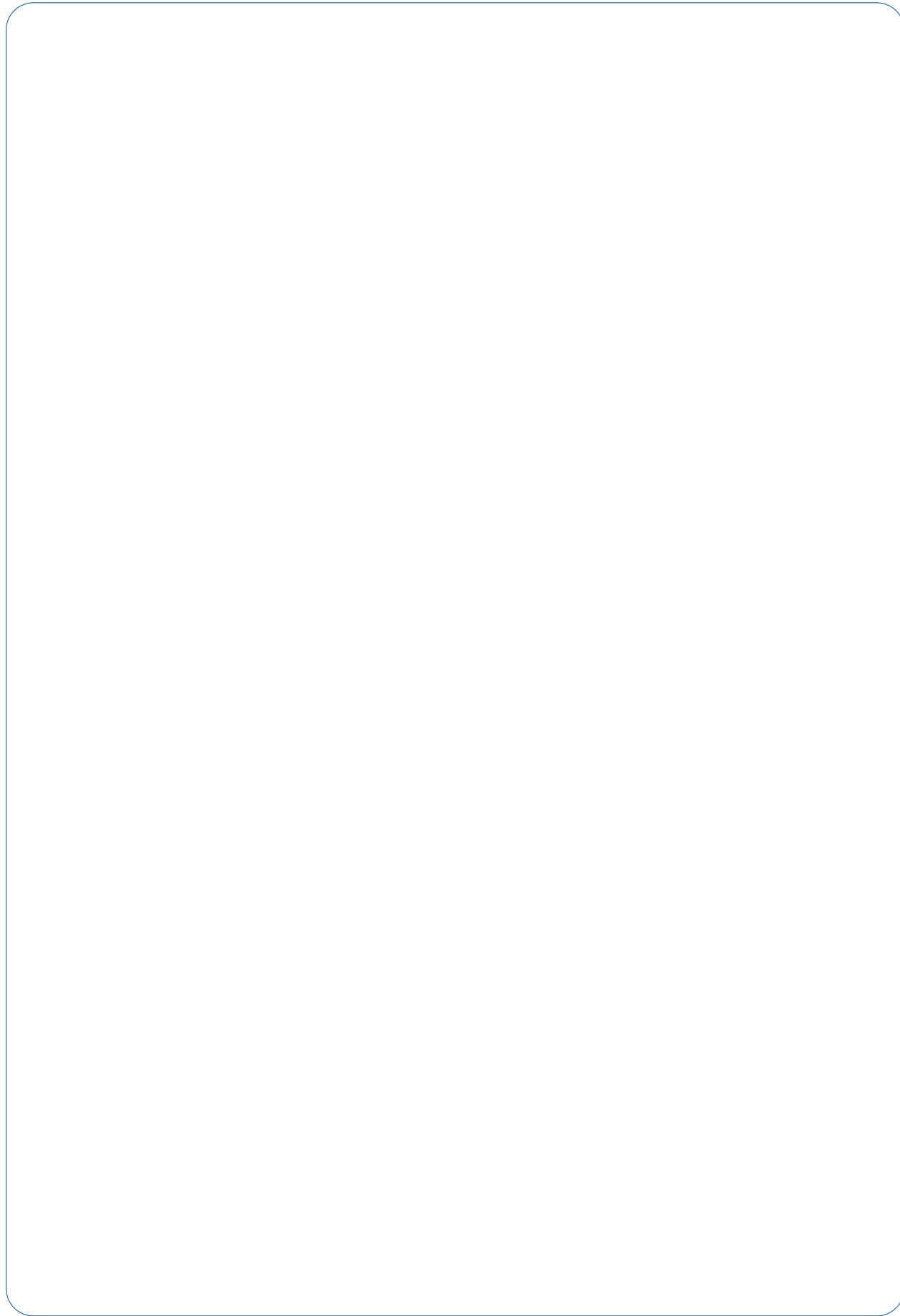


SPECIFICATIONS	
Weight	37g
Light intensity	35,000 lux
Color temperature	6000K
Focus beam size (@ 400mm)	105mm
Led life	50,000 hr
Battery Life	120 min
Charging time	120 min
Battery life time	500 Recharge cycles
Curing filter	included
LOW BATT indicator	LED / alert
How to attach to battery	magnet
touch sensor	O
Indication of the battery recharge condition	O
Charging pad	O
Maximum heat-generating temperature	35 degree

- Cable Free
- Quick battery change
- Uniform, Vivid Round Spot over run time
- Max 35,000 lux
- 4+ Hours Run Time (2+ hrs per battery)
- 37g of Lightweight with battery
- Touch sensor - on/off, 3 step bright control
- Fast USB C charging
- Compatible Adapters to fit most manufactures' loupes

Image	Item	Code	Compatibility	TTL	Flip-up	Wired	Wireless
	IHL-1000 Additional Battery	ILHAC0001				•	
	IHL-2000 Additional Battery (1 piece)	ILHAC0002					•
	Prescription lens for Loupes (1 piece)	ILHAC0003		•	•		
	Headband for Wired Headlight	ILHAC0004				•	
	Headband for Wireless Headlight	ILHAC0005					•
	Mount of Headband for Wireless Headlight	ILHAC0006					•
	Mount of Flip-up for Wireless Headlight	ILHAC0013			•		
	Universal Adapter For Wired Headlight	ILHAC0007	•			•	
	Universal Adapter For Wireless Headlight	ILHAC0008	•				•
	Clamp Type Adapter For Wired Headlight	ILHAC0009	•			•	
	Clamp Type Adapter For Wireless Headlight	ILHAC0010	•				•
	Belt Clip for Wired HL	ILHAC0011				•	
	UV Filter	ILHAC0012				•	•
	Head strap	ILHAC0014	•	•	•	•	•

Memo



Memo

