

**ILLUCO**  
Beyond the vision



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**ILLUCO Corporation Ltd.**

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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



www.illuco.co.kr



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.

## 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 Extra-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.



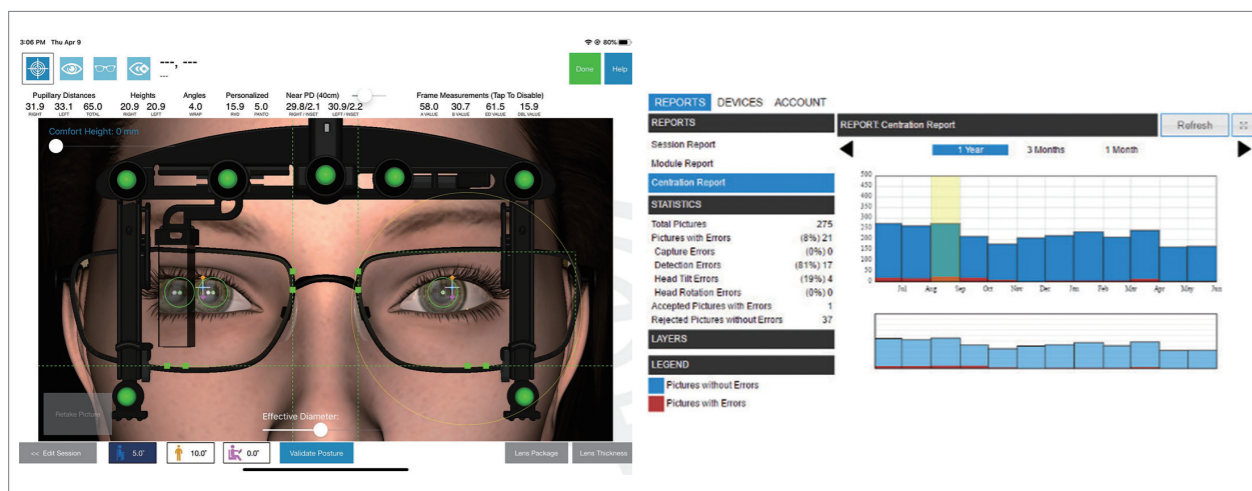
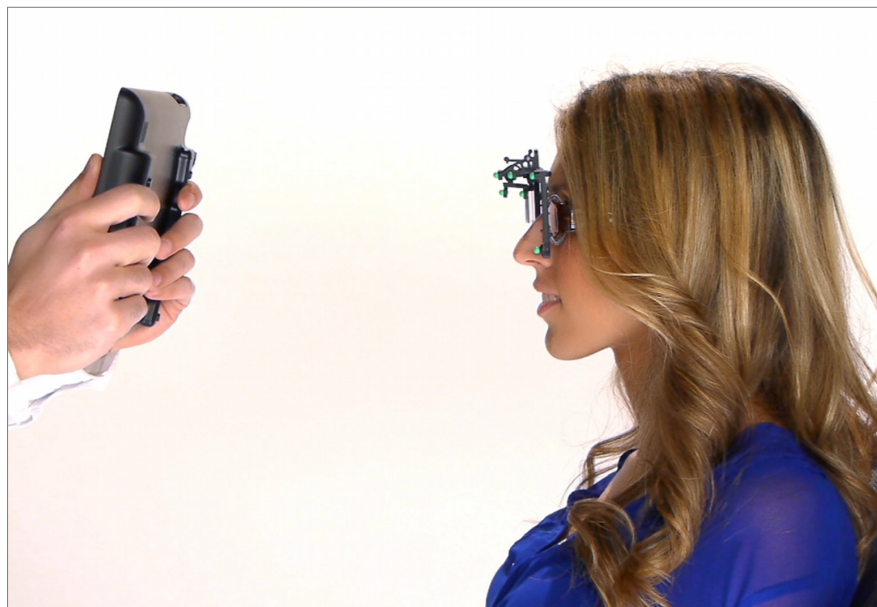
# Digital Measuring System

## Accurate Measured Value

- Automatic image detection allows all measurements to be obtained immediately
- Provides the 10 measurements needed for custom-made loupes
- Measurement error rate: less than 0.01%

## The simplest and fastest Measurement

- 1 Minute: time to take a photo after wearing a device
- Automatically upload all necessary information to the private cloud account
- Secure cloud service provides increased accessibility and data-loss protection.

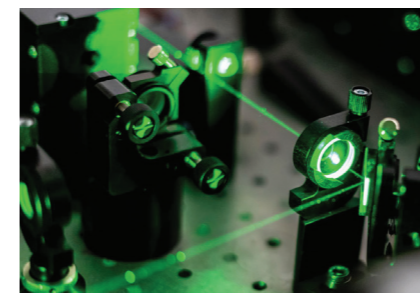


# Angled Loupes

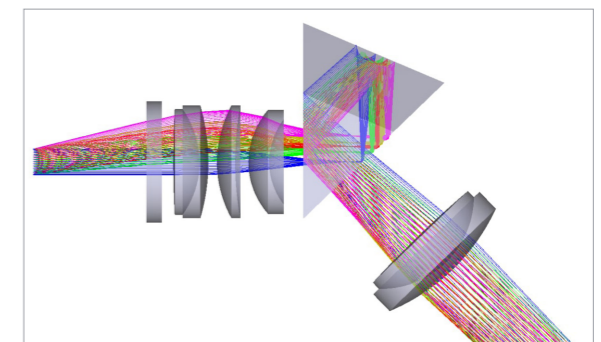
## IAL Series

## Adjustable working distance by individual's needs

- 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
- 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	Available working distance (Cm)	Resolution (lp/mm)	Weight(g) without spectacle
3.0x	Angled	3.0	PM	10.5	30~75	13	44.00
4.0x	Angled	4.0	PM	8.0	30~75	13	58.00

# 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



ITL 2.5x



ITL 3.5x



ITL 4.5x



ITL 5.5x

### 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	47.00
3.5x wide	TTL	3.5	GL	10.5	35~55	9	44.00
3.5x	TTL	3.5	PM	9.0	35~55	10	43.00
4.5x	TTL	4.5	PM	8.0	35~55	10	48.00
5.5x	TTL	5.5	PM	7.0	35~55	15	56.00
6.5x	TTL	6.5	PM	6.5	35~55	15	60.00

# Flip-up Loupes

## Ultra View IFL Series

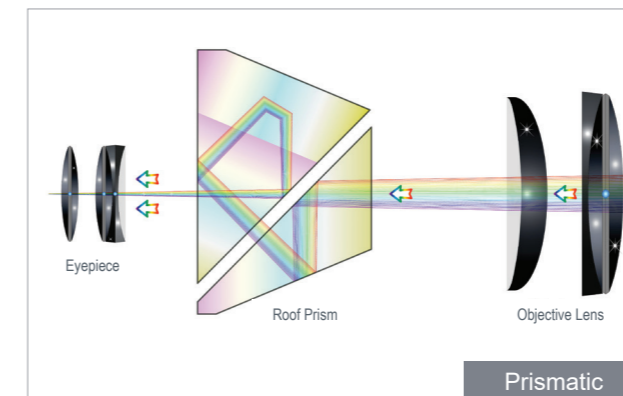
- Ultra wide view and astonishing depth of field
- Easily adjustable pupil distance to your own preference
- Possible to add prescription lens
- Mount directly on your own frame using now



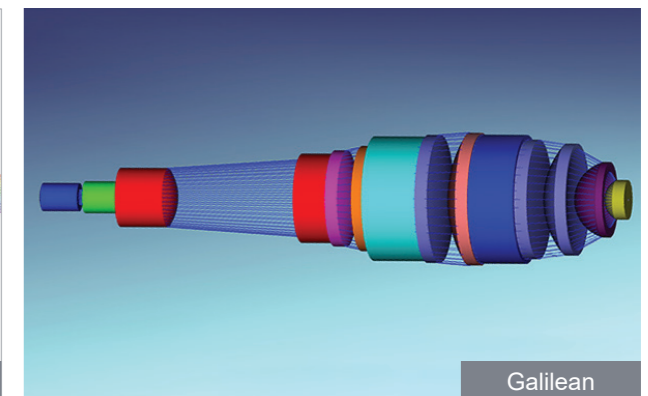
IFL 3.5x



IFL 3.5x



Prismatic



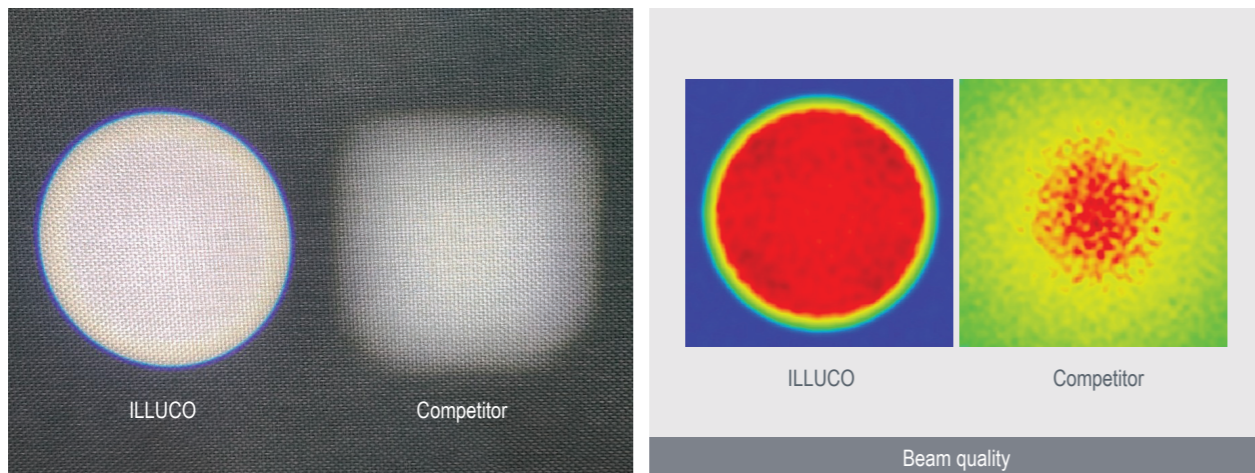
Galilean

### SPECIFICATIONS

Model	Type	Magnification	Galilean or Prismatic	Adjustable Pupil Distance (mm)	FOV(Cm) @xx Cm	Working Distance (Cm)	Resolution (lp/mm)	Weight(g) without spectacle
3.5x	Flip-up	3.5	GL	54~76	12.0	35~55	9	48.00

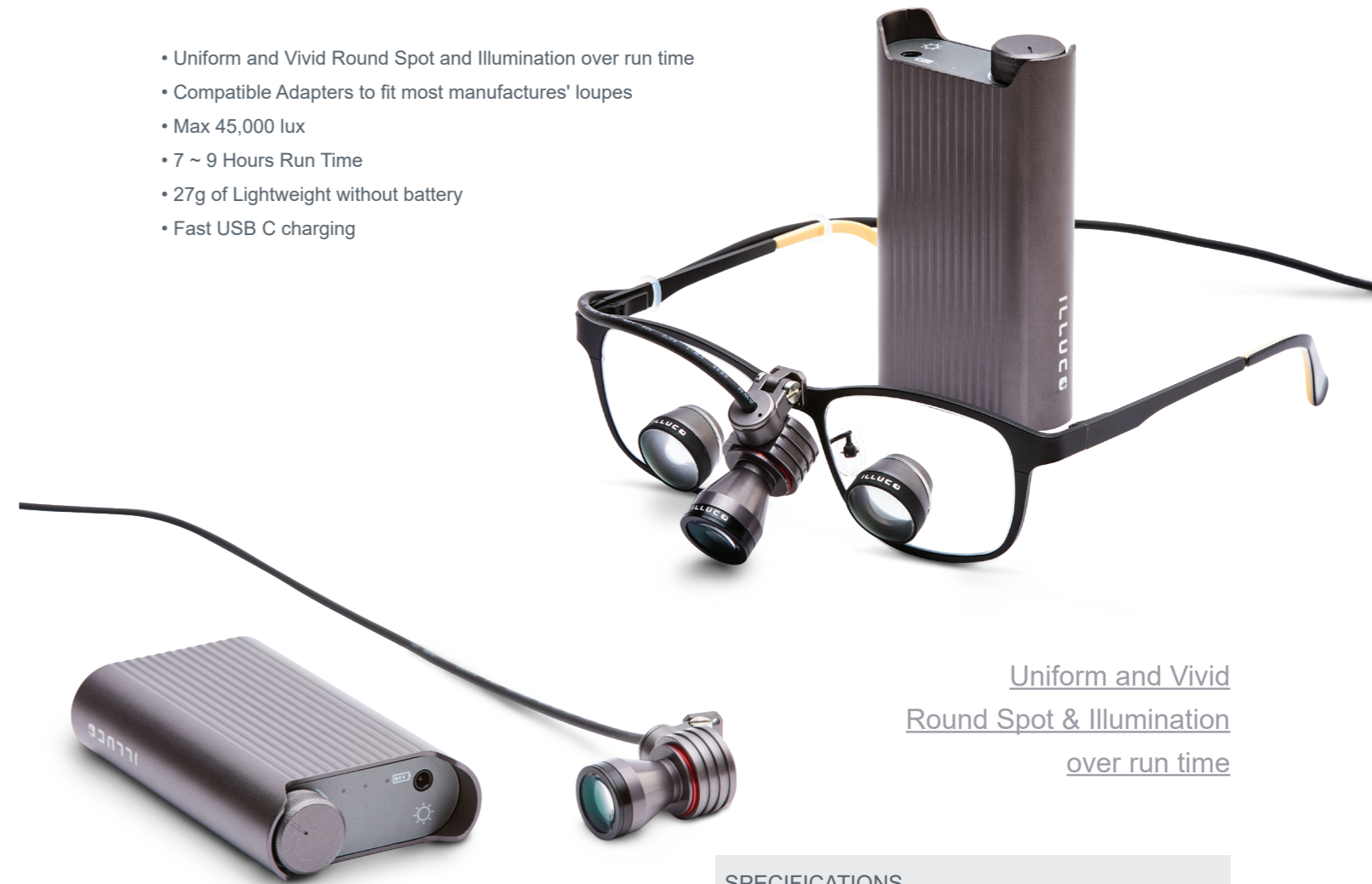
# ILLUCO Headlight

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
- 7 ~ 9 Hours Run Time
- 27g of Lightweight without battery
- Fast USB C charging



Uniform and Vivid  
Round Spot & Illumination  
over run time

SPECIFICATIONS	
Weight of light source	27g
Light intensity	45000 lux
Color temperature	6000K
Focus beam size (@ 400mm)	105mm
Led life	50,000 hr
Battery type	3.7V, 4800mAh
Battery life	7 ~ 9 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



- Cable Free
- Quick battery change
- Uniform, Vivid Round Spot over run time
- Max 35,000 lux
- 4+ Hours Run Time (2+ hrs per battery)
- 38g of Lightweight with battery
- Touch sensor - on/off, 3 step bright control
- Fast USB C charging
- Compatible Adapters to fit most manufactures' loupes

SPECIFICATIONS	
Weight with battery	38g
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

# Frame Option



Frame 1



Frame 2



Frame 3  
(engraving impossible)