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Professional loupes and LED headlight manufacture & supplier.

Care Optical Industrial Co. are designer and producer of binoculars loupes which provide an extra wide field of view, combined with an extra deep focus range. Using multi-coated precision lenses for superb clarity and reduced reflection, Ultra light-weight body and frame for maximum comfort, Fully adjustable viewing angle, pupil distance and flip-up function. Our Loupes give you the ultimate flexibility, as a multi functional loupe.

Dental & Surgical loupes

LED headlight

1.catalog of loupes -----	page: 2-5
-Galilean loupes -----	page: 2
-Prismatic loupes (Keplerian Loupes) -----	page: 3
-TTL (through the lens) loupes -----	page: 4
-TTL combines Flip Up loupes -----	page 5
-headband Kepler loupes -----	page 6
-Clip-on loupes -----	page: 7
2.frames for the loupes -----	page: 8
3.packing & accessory-----	page: 9
4.LEDheadlight -----	page: 10-12

CATALOG OF LOUPES

Flip Up Galilean Loupes 2.5x 3.0x 3.5x



Light weight, Galilean type binocular loupes. Maximum ease of use, combined with multi-functional capabilities. Available in a variety of working distances for your maximum comfort. Multi-coated precision lenses for superb clarity and reduced reflection. Ultra light-weight body and frame for maximum comfort. Fully adjustable viewing angle, pupil distance and flip-up function.

Galilean Flip Up is the most popular model. It offers the widest field of view and longest depth of focus. It has excellent clear view and great optical capability to provide the operator with the optimal magnification while providing extended field of view

Items	magnification	working distance	field of view	depth of view	weight
250S	2.5X	340mm	90mm	80mm	40g
250R	2.5X	420mm	100mm	90mm	40g
250L	2.5X	500mm	110mm	110mm	40g
250XL	2.5X	550mm	125mm	120mm	40g
300S	3.0X	340mm	60mm	60mm	45g
300R	3.0X	420mm	65mm	80mm	45g
300L	3.0X	500mm	70mm	90mm	45g
300XL	3.0X	550mm	75mm	100mm	45g
350S	3.5X	340mm	55mm	60mm	47g
350R	3.5X	420mm	60mm	80mm	47g
350L	3.5X	500mm	65mm	90mm	47g
350XL	3.5X	550mm	70mm	100mm	47g
adjustment	Flip up style. Adjustable view angel : 0 - 45°				
pupil distance	adjustable: 46mm-70mm. Center adjustment				
available frames	Sports frames, Ni-alloy frames, Titanium frames, Protective safety frames				

Flip Up Prismatic Loupes 4.0X 5.0X 6.0X



uses a prism system, which offers very clear image. Camber hinge offers comfortable view angle. Prism system give you a wider field of view with maximum magnification. flip-up, dental loupes & surgical loupes, offer the maximum ease of use, combined with multi-functional capabilities, Available in a variety of magnification & working distances

items	magnification	working distance	field of view	depth of view	weight
400S	4.0X	340mm	60mm	40mm	78g
400R	4.0X	420mm	60mm	40mm	78g
400L	4.0X	500mm	60mm	40mm	78g
400XL	4.0X	550mm	60mm	40mm	78g
500S	5.0X	340mm	55mm	35mm	82g
500R	5.0X	420mm	55mm	35mm	82g
500L	5.0X	500mm	55mm	35mm	82g
500XL	5.0X	550mm	55mm	35mm	82g
600S	6.0X	340mm	45mm	25mm	82.5g
600R	6.0X	420mm	45mm	25mm	82.5g
600L	6.0X	500mm	45mm	25mm	82.5g
600XL	6.0X	550mm	45mm	25mm	82.5g
adjustment	Flip up style. Adjustable view angel : 0 - 45°				
pupil distance	adjustable: 48mm-80mm.individual adjustment				
Available frames	Ni-alloy frames, Titanium frames,				

Normal TTL Loupes (Through the Lens) 2.5X 3.0X 3.5X



Normal TTL style: TTL stands for “Through The Lens”, It means that the loupes are glued to your lens. Although TTL is slightly lighter than Flip-Up system, it can not be moved from line of vision and the user can not make adjustments to the angle of declination to accommodate for the patient’s position. And since each pair of TTL loupes is custom made, it is much more expensive than the Flip-Up loupes. The loupes Through The Lens are light weight, and laconic appearance. It has fashionable design and comparable with designer frames

items	magnification	working distance	field of view	depth of view	weight
250S	2.5X	340mm	90mm	80mm	58g
250R	2.5X	420mm	100mm	90mm	58g
250L	2.5X	500mm	110mm	110mm	58g
250XL	2.5X	550mm	125mm	120mm	58g
300S	3.0X	340mm	60mm	60mm	67g
300R	3.0X	420mm	65mm	80mm	67g
300L	3.0X	500mm	70mm	90mm	67g
300XL	3.0X	550mm	75mm	100mm	67g
350S	3.5X	340mm	55mm	60mm	70g
350R	3.5X	420mm	60mm	80mm	70g
350L	3.5X	500mm	65mm	90mm	70g
350XL	3.5X	550mm	70mm	100mm	70g
adjustment	TTL style is not adjustable view of angle. And pupil distance is not adjustable				
pupil distance	three pupil distance optional: 59-61mm ; 61-63mm ; 63-65mm or according to require				
available frames	Sports frames, Ni-alloy frames, Titanium frames, Protective safety frames				

TTL Combines Flip Up loupes 2.5x 3.0x 3.5x



TTL combines Flip Up loupes is TTL (through the lens style) Styles, so it can supply the wide fields of view, and light weight. And the optics barrels mounted on the special designing frames, it have Flip Up function and also can be mounted prescription lens. we called this is the next generation loupes.

TTL combines have TTL advantage and also can be Flip Up function and also can be mounted prescription lens on.

items	magnificaion	working distance	field of view	depth of view	weight
250S	2.5X	340mm	90mm	80mm	61g
250R	2.5X	420mm	100mm	90mm	61g
250L	2.5X	500mm	110mm	110mm	61g
250XL	2.5X	550mm	125mm	120mm	61g
300S	3.0X	340mm	60mm	60mm	70g
300R	3.0X	420mm	65mm	80mm	70g
300L	3.0X	500mm	70mm	90mm	70g
300XL	3.0X	550mm	75mm	100mm	70g
350S	3.5X	340mm	55mm	60mm	73g
350R	3.5X	420mm	60mm	80mm	72g
350L	3.5X	500mm	65mm	90mm	73g
350XL	3.5X	550mm	70mm	100mm	73g
adjustment	TTL combines Flip Up loupes is adjustable view of angle. And pupil distance is not adjustable				
pupil distance	three pupil distance optional: 59-61mm ; 61-63mm ; 63-65mm or according to require				
aivable frames	Special designing Frames				

Headband Prismatic loupes 4.0x 5.0x 6.0 7.0X 8.0X



Headband Prismatic Loupes using a prism system, which offers very clear image. Camber hinge offers comfortable view angle. Prism system give you a wider field of view with maximum magnification. flip-up function , headband style, offer the maximum ease of use, combined with multi-functional capabilities, Available in a variety of magnification & working distances. because the Kepler loupes is prismatic loupes, so they are heavy. regarding the normal eyewear style ,doctors will be uncomfortable for a long time using. the headband style is a good designing resolve this problem. headband can be adjustable according to different size of users' head. the headband style is good design, when need use the loupes, just plug the loupes on the headband (because we design the parts for easy mounted on), very easy, when you need the loupes on stork, just release the loupes from the headband putting on the bag.

items	magnification	working distance	field of view	depth of view	weight
400S	4.0X	370mm	60mm	40mm	78g
400R1	4.0X	420mm	60mm	40mm	78g
400R2	4.0X	460mm	60mm	40mm	78g
400L	4.0X	500mm	60mm	40mm	78g
400XL	4.0X	550mm	60mm	40mm	78g
500S	5.0X	370mm	55mm	35mm	82g
500R1	5.0X	420mm	55mm	35mm	82g
500R2	5.0X	460mm	55mm	35mm	82g
500L	5.0X	500mm	55mm	35mm	82g
500XL	5.0X	550mm	55mm	35mm	82g
600S	6.0X	340mm	45mm	25mm	82.5g
600R	6.0X	420mm	45mm	25mm	82.5g
600R2	6.0X	460mm	45mm	25mm	82.5g
600L	6.0X	500mm	45mm	25mm	82.5g
600XL	6.0X	550mm	45mm	25mm	82.5g
700S	7.0X	340mm	40mm	20mm	82.5g
700R	7.0X	420mm	40mm	20mm	82.5g
700R2	7.0X	460mm	40mm	20mm	82.5g
700L	7.0X	500mm	40mm	20mm	82.5g
700XL	7.0X	550mm	40mm	20mm	82.5g
800S	7.0X	340mm	35mm	15mm	82.5g
800R	7.0X	420mm	35mm	15mm	82.5g
800R2	7.0X	460mm	35mm	15mm	82.5g
800L	7.0X	500mm	35mm	15mm	82.5g
800XL	7.0X	550mm	35mm	15mm	82.5g
adjustment	Flip up style. Adjustable view angel : 0 -150°				
pupil distance	adjustable: 48mm-80mm.individual adjustment				
Available frames	Headband style, without frames				

Clip-on loupes 2.5X 3.0X 3.5X



Clip On Loupes can be the most flexible and effective solution for surgeons, dentists, and dental hygienists. Clip-on style loupes can be attached to virtually any frame of glasses. If you are myopia or hyperopia, you can use our clip-on loupes on your own frame, it is very convenient, removable, with ease of use. We have 2.5x, 3x and 3.5x with the clip-on type. 4x, 5x and 6x are not available with clip-on type

items	magnificaion	working distance	field of view	depth of view	weight
250S	2.5X	340mm	90mm	80mm	45g
250R	2.5X	420mm	100mm	90mm	45g
250L	2.5X	500mm	110mm	110mm	45g
250XL	2.5X	550mm	125mm	120mm	45g
300S	3.0X	340mm	60mm	60mm	51g
300R	3.0X	420mm	65mm	80mm	51g
300L	3.0X	500mm	70mm	90mm	51g
300XL	3.0X	550mm	75mm	100mm	51g
350S	3.5X	340mm	55mm	60mm	55g
350R	3.5X	420mm	60mm	80mm	55g
350L	3.5X	500mm	65mm	90mm	55g
350XL	3.5X	550mm	70mm	100mm	55g
adjustment	Flip up style. Adjustable view angel : 0 - 45°				
pupil distance	adjustable: 46mm-70mm. Cental adjustment				
aivable frames	clip on style have no frames.				

Prescription lens : if you want to mount the prescription lens on the loupes, we also can make (Flip Up loupes Titanium frames and Ni-alloy frames , TTL combines frames can be mounted prescription lens on) please contact us.

Frames for the loupes

(1) Sport Frames

“one size fits all “ ,there are four colors: silver/bark blue/brown/pink

Material: TR-90 LENS: Clear PC hard coating Lens.

This kinds frames is lighter and stronger,



There are four colors: silver/dark blue/brown/pink

- this kind of frames is available mounting Flip Up 2.5x 3.0 3.5x and TTL 2.5X 3.0X 3.5X

(2) Ni-alloy frames & Titanium frames

The Standard loupe frame (Ni-alloy / Titanium material) ,



Three size for Ni-alloy frames: large/middle/small

Two size for titanium frames: middle/small

Black color is the normally using.

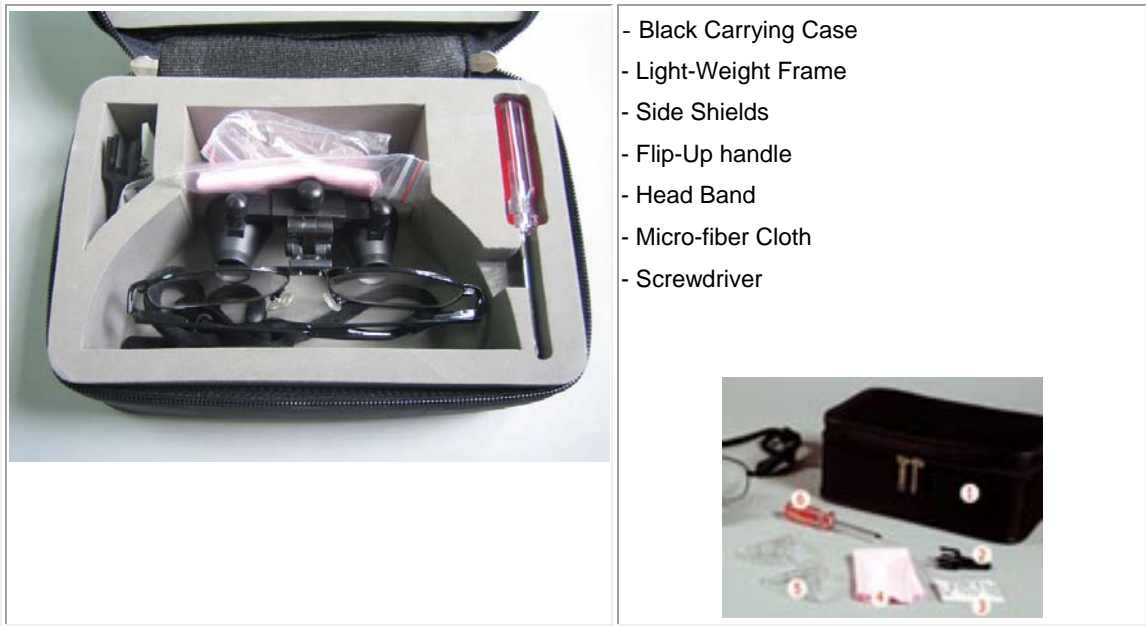
Ni-alloy frames and Titanium frames are available for all the loupes

(3)The Protective Safety Frames (plastic),



“One size fits all” .there are two style: man’s style and women style.

Standard Loupe package includes:



Packing size: length width height : 210X140X80 (MM)

Weight (includes loupes ,the standard accessory, packing): 230~250 grams

Available Options (additional):



lens protectors for the loupes



Luxary Aluminum Case :

Packing size: length width height : 540~560 grams

Weight (includes loupes ,the standard accessory, packing):210X140X90(MM)

Portable LED headlight H60



PORTABLE LED headlight H60

Description

The Brightest illumination intensity(32000LUX),

The Lightest weight: 11g

The Longest operating time:7hours,

The smallest size: Dia. 1.9x2.1cm,

Specification

Light Source: 1 w LED-high efficiency & saving energy,

Light Highest Illumination intensity: Full variable intensity control,

There are 2 kinds of adjusting level for your option.

Up to 15, 000-20, 000Lux@ feet (the first level output)-enough,

Up to 25, 000-32, 000Lux@ feet (the second level output)-remarkable,

Continually Operating Time:

Up to 7 hours (highest in the first level output)-longest,

Up to 4 hours (highest in the second level output)-enough,

Light Head Surface Temperature:

45 degree centigrade (highest in the first level output)-cool,

80 degree centigrade (highest in the second level output)-be careful,

Color Temperature: 6000 K(pure white),

Illumination Spot Size: 7 cm @ 40mm(appropriate),

Light Head Weight: 11g (including mount, not including wire, lightweight),

Light Head Diameter: 1.9cm, Light Head Length: 2.1cm(very small size),

Battery: 2x1400mAh Rechargeable Lithium-Polymer Cells(only OEM for Japanese brand),

Battery Lifetime: Approximately 500 charge/discharge cycles(high performance),

Battery Case Weight: 113g(lightweight),

Battery Case Dimensions: 7.5cm x 5.2cm x 2.1cm(small size),

Battery charger: 1000mAh, 100-240V AC/50-60 Hz (adapter for all of the world power supply),

Battery Charge Time: 90 minutes for 90% charge(very quick),

Warranty: 1 year limited warranty(add cost, extend to be 2 years limited warranty).

Feature.

With our Dental LED Headlight, you'll experience enough brightness, shadow-free, long-lasting illumination with unrestricted mobility that enables you to work with precision while enjoying complete comfort, and improves overall ergonomics.

Our led dental headlight's high edge-to-edge clarity, pure white beam to aid in dental color matching techniques, and hands-free operation, let you focus on your procedures, and allows you to go from patient to patient, without being tied down. While the powerful yet lightweight Lithium-Polymer battery system (only OEM for Japanese brand) provides working hours of uninterrupted user several dentists use it continuously in the whole of working day.

standard packing includes :

AC adapter, battery, accessory kits, LED lamp and connection.

Luxury AL case

Headband LED headlight KD202A-2



technical specification

USING The rechargeable lithium battery, longevity of service and the more comfortable lightweight headlights, it is suitable for all kinds of surgical operation.

Technical Specification

Items No: KD-202A-2

Light Source: 3 w LED-high efficiency energy

Light Highest Illumination intensity: >12,000 LUX

Continually Operating Time: up to 7 hours

Illumination Spot Size: can be adjustable (ex: for 10mm to 110mm for 420MM working distance)

Illumination angle : can be adjustable .

The lifetime of bulb: 20,000hours

Color temperature: 6000K

Charge Voltage: AC110V/220V DC 3.4V

The weight of headlamp: 80g

packing weight (with the headband and battery and charge Voltage) : 720g

packing material: paper box

packing size: 24x16x15cm

this style (KD-202A-2) is portable LED headlight with headband. Also can mount our loupes on the headband. The field of lighting area are adjustable.

KD-202A-2 is edge-to-edge clarity, pure white beam to aid in dental color matching techniques, and hands-free operation, let you focus on your procedures, and allows you to go from patient to patient, without being tied down.

Standard packing Include : headband LED light, battery rechargeable, AC adapter