

Loupe

opt-on[®] 2.7/3.3 TTL

Headlamp

spot-on[®] nxt

Headlamp

spot-on[®] cordfree



“Our entire life depends on our senses.
Seeing is the most comprehensive and magnificent one.
There is no doubt that all inventions which are increasing its power
are generally among the most useful ones.”

René Descartes, 1596 - 1650

French Philosopher, Mathematician and Scientist.

orangedental 
premium innovations **DDI** inside

Dental Loupe **opt-on**[®]

- >> Light weight of only 32 g
- >> Heavy weight in quality of vision

Wear it all day long and hardly notice it

- Light weight of only 32 g
- Sportive, aesthetic design
- Wearing comfort and greater field of view all day long
- Continuous putting on and depositing off of the glasses is no longer necessary thus reducing risk of cross infection



Flexible working angle

- Each temple is adjustable in three stages on each side to adapt the working angle individually to posture and physiognomy

Robust

- Glasses made of robust premium-quality plastics



Flattened geometry of oculars

- Facilitates looking over the oculars conveniently to patient and colleagues
- No annoying limitations of vision (smart window)
- Pleasant change of vision from distance to near = the eye relaxes
- Pat. pending



Do you already have glasses? No problem!

- The correction adapter triatches the loupe to your personal visual acuity. Your acuity profile can be adapted at any time by simply changing the glasses, if your acuity changes



Super sharp vision

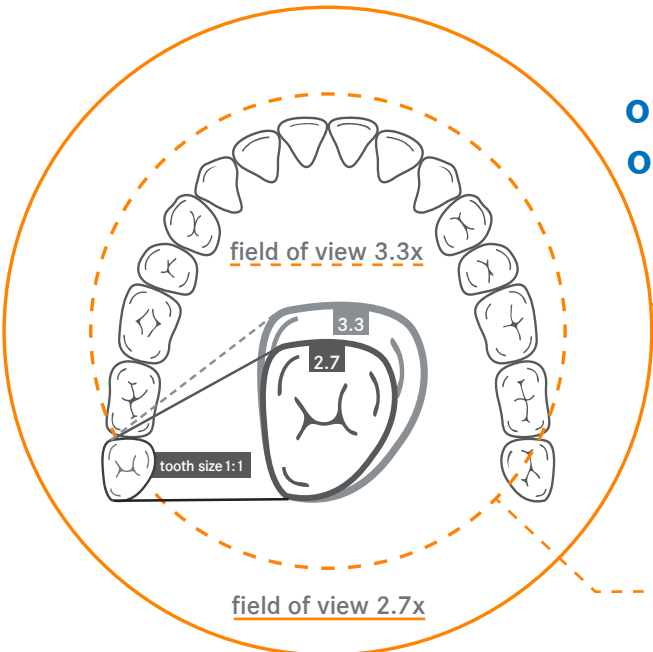
- Focus on central field of view by maximum reduction of stray light



Maximum depth of field

- Quality optics made in Germany
- 3-lens system with two glass lenses and one aspheric lens according to state-of-the-art calculations for maximum depth of field

opt-on[®] 2.7 Loupe for first-time users opt-on[®] 3.3 Loupe for skilled users



2.7-fold magnification

- Can be used for any type of treatment
- Depending on the working distance, almost the entire dental arch is visible, so that you do not need to change your posture during treatment
- Ideal for dental personnel who are unexperienced in using loupes
 - Ideal for students
- Ideal for prophylactic treatment

3.3-fold magnification

- Ideal for endodontic und implant treatment
- Use as second loupe for special cases

The field of view varies according to the magnification, chosen working distance (here: 40 cm) and individual vision correction.

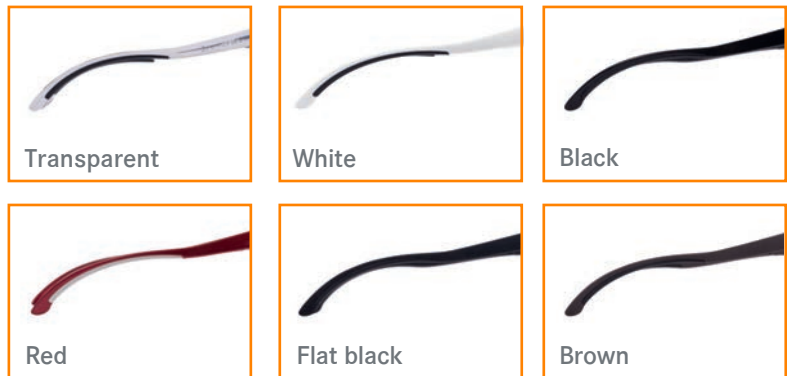
	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]
Working distance (Vario clips)	250 [10]	300 [12]	350 [14]	400 [16]	450 [18]	500 [20]
Field of view 2.7x*	62,5 [2.5]	75 [3]	87,5 [3.4]	100 [3.9]	112,5 [4.4]	125 [4.9]
Field of view 3.3x*	51 [2]	61 [2.4]	72 [2.8]	82 [3.2]	92 [3.6]	102 [4]

*Approximate dimensions



Look good – feel good

- Frames are available in different colours and can be replaced retroactively



Pupil distance while looking long distance

- orogedental requires your individual pupil distance, measured while looking long distance in order to manufacture your loupes in the best way.

Variable working distance

- Replaceable Vario clips to adjust the working distance retroactively by +/- 5 cm
- Pat. pending



Customized loupe

- Individual pupillary distance (PD) between 56 and 76 mm as well as variable working distance by means of six selectable Vario clips 25 - 30 - 35 - 40 - 45 - 50 cm enable individually optimized vision

Comfortable fit

- Nose pads to fix in two positions each for optimal fit of loupe



Headlamp **spot-on**[®] next

The "High-Light" – simply brilliant

- Light weight of only 7g for permanent, pleasant wearing comfort
 - 45,000 lx; max. 3 hours permanent light
 - 30,000 lx; max. 6 hours permanent light
 - 20,000 lx; max. 9 hours permanent light
- >> Light quality (CRI), colour temperature, mounting options and orangefilter see next page **spot-on**[®] cordfree



Powerful rechargeable battery

- Weight of only 85 g
- Battery runtime of up to 9 hours
- Charging time of only 3 hours



- Optional fit for arm 2 lengths:
a) 31 cm
b) 36 cm



One-Touch - 2 functions

- Use "One-Touch" to change and indicate the light intensity in three stages (yellow)
- Three-stage battery charge indicator (green)
- Smooth surface for maximum hygiene

One-Connect - 2 functions

- Light supply or charging with one magnetic connector only (prevents short-circuits)
- When the cable tightens, the magnetic connector disengages and prevents cable break.

Bodyfit

- Convenient clip for belt, pocket or arm strap

Package contents:

- 1 rechargeable battery
- 1 charging cable with power supply



picture similar

- 1 magnetic mounting adapter (standard) or firmly fixed mounting adapter
- Reusable storage case





Headlamp **spot-on**[®] cordfree

The Smart-Light – simply ingenious

- cordfree = Working easily without cables
- Extremely light weight of only 18g for permanent, pleasant wearing comfort
- Quick battery change without removing the loupes
- 20,000 lx; max. 1,0 hours permanent light
- 15,000 lx; max. 1,5 hours permanent light
- 10,000 lx; max. 2,0 hours permanent light
- Charging time for one battery of only approx. 1,0 hour
- Easy handling via multifunction touchbutton (gold)
- Configurable by tapping: on/off or angle related automatic switch-off (3 levels), increasing energy efficiency + glare protection



- Working position (head down): The **spot-on**[®]cordfree shines
- Work is interrupted (straight head): The **spot-on**[®]cordfree turns off

- >> Daylight quality: CRI 90 (= Colour Rendering Index, CRI 100 = daylight)
- >> Colour temperature of 5700K corresponds to sunlight
- >> 2 mounting possibilities:
 - a) **magnetic** (standard) 
 - b) **fixed** (optional) 
- >> Please ask us for a adaptability of your existing loupe and for cameras



>> Scan QR-Code
>> For instructions see "Quickstart"

orange filter

- Extreme delay of light curing
- If the filter is not needed, it can simply be elevated
- Magnet provides firm hold in two positions (folded up and down)



Package contents:

- 1 charging station for 2 batteries
- 2 rechargeable batteries
- 1 USB cable
- 1 magnetic mounting adapter (standard) or firmly fixed mounting adapter
- Quickstart guide
- Reusable storage case



No. 1 for more than 6,000 satisfied customers



“... because it is so light, has great depth of field and is easy to clean.”

Prof. Dr. med. dent.
Kai-Hendrik Bormann
Hamburg, Germany



„I particularly appreciate the lightness and wearing comfort. At 32g, I can keep my opt-on glasses on almost the whole day, saving time and eliminating neck pain.“

Dušan Ivanovic, Dental technician
Rijeka, Croatia

“Clearly improved working posture and always the optimal working distance facilitate more precise working. Even after I have worn them for eight hours I still cannot feel that I am wearing them.”

Solveyg Hesse, dental hygienist
Tostedt/Hamburg, Germany



„With the cordfree headlamp, my opt-on glasses are incredibly light despite of the battery, still incredibly bright and working without annoying cables is a real quality gain and simply means more joy at work for me. A real high-tech product!“

Barbara Budič, Dr. med. dent.
Ljubljana, Slovenia



“As dental technicians, our eyes are under massive stress every day. Working in confined spaces under diverse lighting conditions is very exhausting for us. We spent a lot of money on microscopes and other optical aids. Today, we manufacture our highly precise dental prostheses only using the opt-on loupe by orangedental.”

J & J Dentaltechnik
Kusterdingen/Tübingen, Germany



“Prophylaxis has another quality thanks to the opt-on 3.3 by orangedental. I am thrilled of the focus of the light - new worlds open up!”

Angelika Frenzel, qualified dental assistant
Chemnitz, Germany



“With the opt-on loupe with the flattened oculars by orangedental, I can look at the patient and my colleague without touching the loupe. It saves me the trouble of changing or taking off the loupe – a fantastic relief during treatments.”

Karmen Hatter, dentist
Amman, Jordan