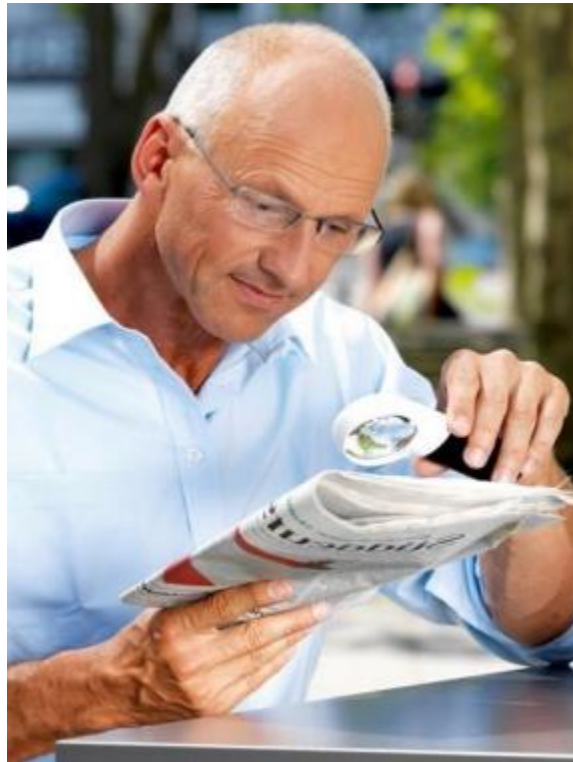


CENTER FOR LOW VISION

SVETI VID – LVA



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When regular glasses no longer help there
are various aids for better quality life!

Center for low vision Sveti Vid - LVA, in cooperation with leading world manufacturers
of low vision aids, has made available for you the finest aids for persons
with significantly reduced vision.

Special glasses (with high diopter, filters and prisms)

Telescopic system (for near, intermediate and distance)

Hand-held magnifiers

Electronic magnifiers

Closed television systems

When is the time to think about "low-vision aid"?

When regular glasses do not suffice any longer, and health problems make patient unable to undergo surgery of the eye, one ought to try aids for low-vision.

What are indications for "low-vision aids"?

- Macular degeneration
- Diabetic retinopathy
- Partial atrophy of the optic nerve
- Degenerative myopia
- Other macular diseases
- Vision below 0.3 (inability to correct with regular contact lenses)

Reading aids

LEGIT BINO

Legit Bino are hypercorrective prismatic glasses enabling patients with low vision to read at short distances, enlarging images at retinal level with minimal reading effort.

Using the internal base of prism, Legit Bino can achieve high visual performances.

Using a high index of refraction with carefully chosen frame design made of acetate with flexible arms, Legit Bino is finest aid for people with low vision

that can be found on the market. These glasses are available also in version with multilayer anti-reflex protection and scratch protection (Emerald), and in version with Skudo Coat filters.

Legit Bino can be adapted to patient's corrective needs.

Legit Bino available for children and adults in values from +4.00 D up to + 16.00 D



Legit Bino Skudo

Legit Bino Skudo su hypercorrective prismatic glasses with added yellow filter(450nm).

Blue light form ultraviolet rays have attribute of decreasing visual acuity. Yellow filter (450nm) solves the problem by "cutting" blue components and increasing contrast which is most comfortable for the patients with macular degeneration, albinism, atrophies of the optic nerve...

Legit Bino available for children and adults in values from +4.00 D up to + 16.00 D



LEGIT TWIN

Brand SWEDOPTIK for many years is active in research and development of optical systems for low vision patients, created a new aplanatic and achromatic aid, relaying on already known characteristics of optical systems made of double bonds.

Using appropriate geometry in combination with choice of two types of lenses from different types of mineral glass of the highest quality, which is a guarantee of excellent quality of image.

This aid is aesthetically nicest in its category, and optical quality is the same as with aplanatic systems.

Characteristic Legit Twin aid:

- Aplanatic and achromatic system, by using special lenses
- Resistant to breaks because of chemical and thermal treatment
- Multilayer anti-reflex protection MgF
- Thin lens with central thickness of:
 - * 3.8 mm for magnification 2x (in comparison with 9.0 mm in traditional aplanatic system)
 - * 5.85 mm for magnification of 6x (in comparison with 12mm in traditional aplanatic system)

Available magnifications: 2x,3x,4x,5x,6x



LEGIT APLANAT

Legit Aplanat is aplanatic monocular system designed for use in cases when mid-high magnification is prescribed.

System consists of double bond constructed from two positive planoconvex lenses.

Aplanatic systems are in use for a long time within frame of measuring systems, as lenses for illumination, because of its attributes of even diffusion of light to entire surface of lens guarantees uniform image of high quality, without peripheral aberrations.

Two lenses are mounted on tubular polycarbonate stand, and flat surfaces of lens are turned outward. Aplanatic systems are today only optical systems for low-vision persons capable to combine great magnification and wide angle of visual field (48°).

Available magnifications: from 2x to 15x



Aids for distance and intermediate distance

Max TV – Max Details

MAX TV is an aid serving to watch television, movies or theatrical presentations, or sport events. Each lens is separately adjustable, and both lenses have protective coating to remove reflexion. MAX TV glasses are more flexible and light weight which guarantees comfort and facile usage.

Optical elements of MaxTV glasses are conceived for distance of 3 m. MaxTV

provides compensation of dioptric value (compensation with ametropia) of ± 3 diopters, which is adjustable separately for each eye. It is needed to position self in front of television at desirable distance and put on MaxTV, then close the left eye and turn the right knob until the right eye receives sharp image. Repeat the same steps for the other eye.

Available:

- Max TV special glasses for TV, optimal distance: 3m, magnification: 2.1 x
- Max Details special glasses for work at average distance (40-50 cm), magnification: 2X



- Magnification 2,1 x

- Separately adjustable left and right system
- Used for focusing objects at 3m to infinity
- Perfect for watching TV
- Visual field 20°
- Weight 50g

Legit Galileo Wide

Legit Galileo Wide is a new system with wide visual field. Because of wide visual field of 24°, system is ideal for dynamic activities and watching television.

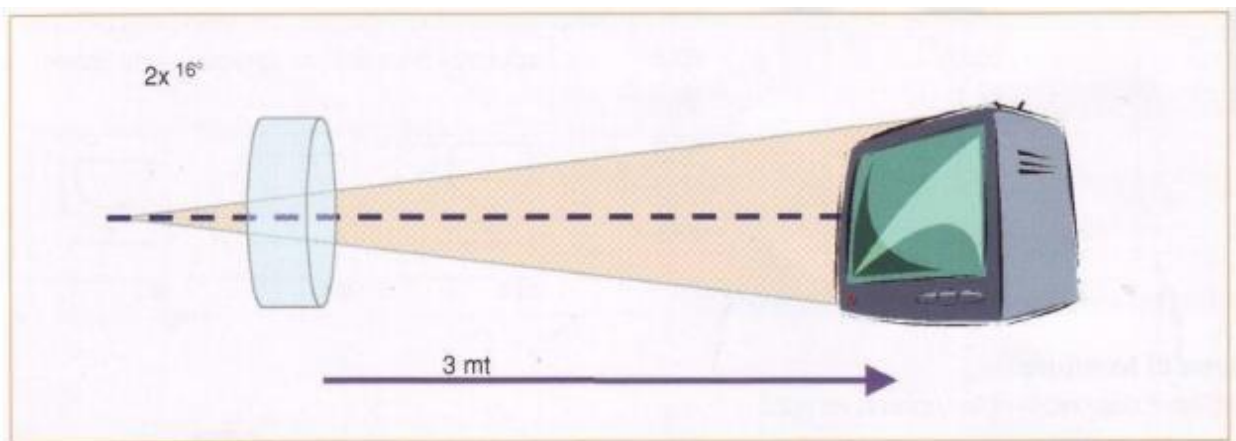
Light Galileo was invented as system for distance viewing, but because of special additional parts for reading it is convenient for watching distance in range of 63mm to infinity with magnification to 7.2x.

Auxiliary parts for reading are simply inserted easily provided by „lock-in“ system. Available versions are: +0.50, +1.00, +2.00, +3.00, +4.00, +6.00, +8.00, +10.00, +12.00, +14.00, +16.00.

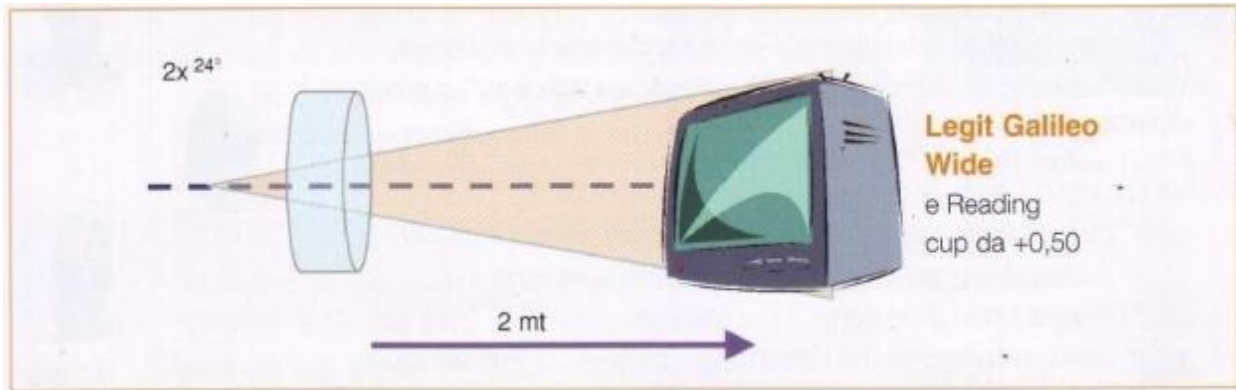
System patient adjustable, depending on refraction, on very simple way, using special ring-shaped adapters into which are lenses inserted.

For greater magnification available are Legit Galileo 21 (version with magnification of 2.1x and visual field width of 16°) enabling magnifications up to 10x, using the auxiliaries for reading. These systems also, as version with magnification of 1.8x, can be adjusted to patient, using mentioned reading auxiliaries, in above explained way.

Available are auxiliaries for reading (reading cup) of +0.50 for focusing at 2,00 m, +1.00 for focusing at 1m and +2,00 for focusing at 50cm.



The picture explains how the television set of 17 inch will be framed by telescopic system, with magnification of 2x and visual field width of 16°. As it could be seen for that is necessary 3m.



The picture shows how system with larger visual field can enclose television at lesser distance, introducing, beside visual field width and magnification at relative distance.

Result is magnification of image at retinal level of 65%.

	Vision with correction	Auxiliary for reading (reading cap)	Total magnification	Focal distance
			1,8x 2,5x	
For monocular and binocular vision				
	0,82	+3	1,35x 1,90x	330
	0,62	+4	1,80x 2,50x	250
For monocular vision				
	0,35	+8	3,60x 5,00x	125
	0,27	+10	4,50x 6,25x	100
	0,25	+10	4,50x 6,25x	100
	0,22	+12	5,40x 7,50x	85
	0,2	+12	5,40x 7,50x	85
	0,17	+14	6,30x 8,75x	72
	0,15	+16	7,20x 10,00x	63



MEDICAL FILTERS

Medical filters are used as for patients having problems with vision also certain filters (yellow 450nm, polarized brown 511nm and green 450nm) have wide usage also with persons without visual defects.

For most frequent eye pathology, it is recommended usage of following medical filters:

450nm	Macular Degeneration, Optical Nerve Atrophy
511 nm	Macular Degeneration, Optical Nerve Atrophy, Glaucoma, Cataract, Retinitis pigmentosa
527 nm	Glaucoma, Cataract, Retinitis pigmentosa
550nm	Retinitis pigmentosa
585nm	Retinitis pigmentosa



Eye specialists, in any case, recommend for patient to undergo adequate testing to evaluate what filter is the best for each patient individually. For that purpose available are trial sets.

All filter lenses are attested for guarantee purpose of maximal quality. Yellow filter (450nm) besides comfort for patients with macular degeneration, optic nerve atrophy, they are comfortable for persons without visual defect symptoms particularly for night driving or fog driving.

Using polarized filters, improved are visual performances of low-vision patients in open space, providing greater comfort, and particularly patients with macular degeneration.



Sunlight travels in all directions. When reflected from horizontal surface such is concrete way or water, light often becomes hardly polarized on horizontal plane. Vertical light is useful for human eye. It enables us to see colors and contrast, while concentrated horizontal light creates reflection, that disables us to see and then we can find ourselves in potentially dangerous situation (i.e while driving). Polarized filters allow only useful vertical light reach the eye, enabling viewing without reflection with

natural colors and contrast. Polarized filters are comfortable for low-vision patients as well as for persons without any visual defect.

Wearing polarized filters means:

- Viewing without reflection
- Clear contrast
- Natural colors
- Diminished eye strain
- 100% UV protection



non-polarized

polarized

ERGONOMIC TABLE

Whether at university or school, at home or office- people write and read everywhere. Ergonomic table helps each person, particularly children of all ages whether with or without visual problem:

- Correct posture
- Optimal distance for reading
- Minimized eye strain

Ergonomic table is easy for assemblance, so it does not occupy a lot of space and is easy portable. It can change its slope angle 30°,45°,60°,75°.



HAND HELD LOUPES



Hand held aspheric loupe with light 3x (50x75mm)



Crystal Pureloupe – hand held loupe without light 3x magnification (Ø75mm)



Chrom'PureLoupe –hand held loupe with light 3x magnification(Ø75mm)



Hand held aspheric loupe with illumination 4x magnification (Ø70mm)



Hand held aspheric loupe with illumination 6x magnification (Ø55mm)



Hand held aspheric loupe with illumination 8x magnification (Ø35mm)



MaxTrekking -Hand held loupe with illumination 9x (Ø40mm)



MaxTrekking - Hand held loupe with illumination 11x (Ø40mm)

ELECTRONIC LOUPES

Candy 4 HD

- For near and intermediate distance
- Magnification: 2x-20x from hand, 2x – 8x with holder
- Battery: rechargeable 2,5 hours of continuous usage



Candy 5 HD

- For near and intermediate distance
- Magnification: 1x-22x from hand, 3x-14x with holder
- Battery: rechargeable 4,5 hours of continuous usage



Closed television systems CCTV

Merlin HD

Quality of image. Ergonomic design, provides flexibility and adjustable screen for correct posture while sitting and watching the screen.

Merlin HD can be turned easily vertically/ or horizontally to provide persons with peripheral or eccentric viewing (with macular degeneration, diabetic retinopathy...).

Merlin HD enables persons with macular degeneration, retinitis pigmentosa, glaucoma to write and read and to be independent in daily functioning.

SPECIFICATION:

- Image regime: 7 images regimes (contrast) with 28 combinations of text and back illumination
- Magnifications 2,7x do 85x
- Auto focus
- Monitor 20 " LCD screen
- Resolution : High – definition
- Complete assemblance one piece
- Ergonomic adjustment for your comfor - Portable table XY upon which text is mountedt - 2years of warranty
- Color: Black-white



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