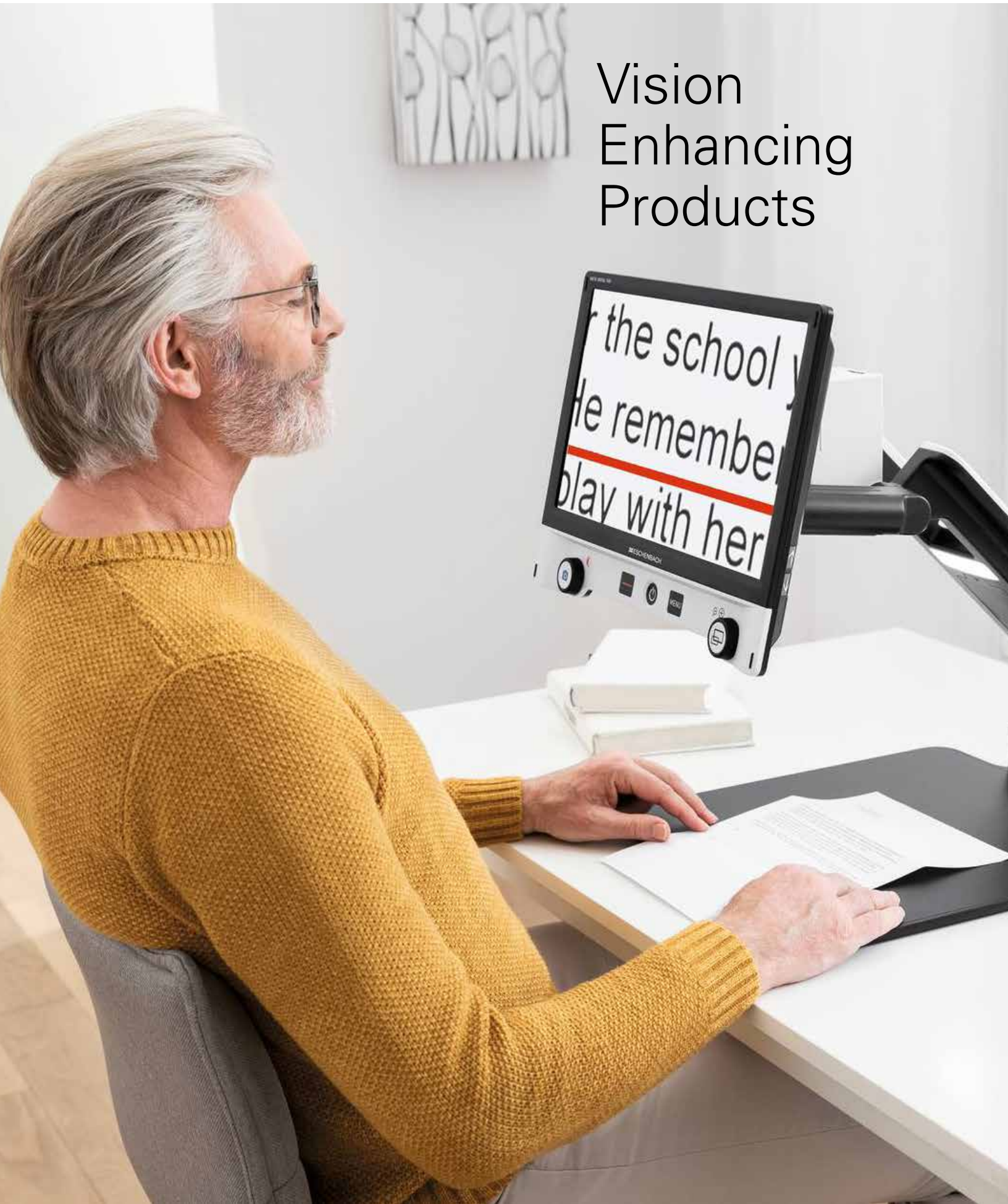


Vision Enhancing Products



A GLOBAL BRAND WITH TRADITION

Since its establishment in 1913, Eschenbach Optik has been combining traditional business values with modern innovative flair. Within a century Eschenbach Optik has become one of the leading suppliers of optical products - both in Germany and abroad. The product range extends from optical and electronic magnifiers to reading glasses, sunglasses and binoculars.

With subsidiaries in twelve countries, more than 30 international trade partners and over 480 employees throughout the world, today Eschenbach Optik has a global presence. The North American subsidiary, Eschenbach Optik of America, was founded in 1983 and this subsidiary, along with more than 30 other trade partners throughout the world, has made Eschenbach a world leader for optical products.

MADE IN GERMANY



From the initial concept right through to the finished product, Eschenbach Optik carries out its work in Nuremberg. Our German heritage ensures that our products are engineered and produced to the highest of standards and this is how we are able to guarantee exceptional brand quality.

VISION TECHNOLOGY PRODUCTS

In this catalog you will find our extensive range of vision enhancing products. These include optical products like hand-held, stand and spectacle magnifiers, telescopes, absorptive filters as well as electronic magnifiers now commonly called video magnifiers. In addition, the catalog has a number of non-optical products like task lighting, reading stands, charts and diagnostic cabinets. The term "Vision Technology Products" stands for innovative research and development, modern technologies, as well as precision production methods - and a level of quality which meets the very highest demands in terms of optimum optical performance, reliability and intuitive operation.

The diversity of our range of magnifying and vision enhancing products allows you to provide your customers with the optimum solution for meeting all their everyday vision requirements.

OUR VISION

To be the dominant player in the market for magnifying and vision-enhancing products.

OUR MISSION

To provide our customers with vision-enhancing products that improve their safety, productivity, independence and quality of life.

LOW VISION

We offer a wide range of products to meet the highly diverse needs of those suffering from visual impairment, making their

daily life so much easier and therefore enabling them to regain maximum independence and improve their quality of life.

EASY VISION

As we get older, our vision deteriorates and this is something that happens to everyone. From the age of 60, this change becomes increasingly noticeable and sometimes even the best corrective eyewear is not enough.

With the "Easy Vision" concept from Eschenbach Optik, additional, innovative optical products are able to compensate for the visual impairment and better vision is possible.

SALES SUPPORT

In addition to products, we also offer versatile displays and attractive presentation systems for select products.

DETAILED INFORMATION

The "Technical Information" section contains a summary of technical specifications and you can find information on visual impairment in the "Information" section.

LENS COATING

cera-tec® is a hard coating developed in collaboration with the Fraunhofer Institute for Silicate Research ISC (Würzburg) specifically for PXM® lenses on ORMOCER® basis. Our coating procedures offer all-around lens protection as all lenses are coated on both the front and back surface. The finished product sets new standards in quality, service life, reliability and economy.

Eschenbach lenses are made of PXM® material. This material is characterized by its light weight and high resistance to breakage. As a result, Eschenbach customers have a choice of products with the highest image quality, economic design and maximum utility.

PRESCRIPTION CORRECTABLE

Eschenbach offers a wide assortment of prescription correctable products so you can provide customized solutions for your patients by using our Custom Solutions Program. Items in this catalog that are prescription correctable have been marked with the RX icon. Contact our Customer Service Department at (800) 487-5389 or info@eschenbach.com to place a customized order.

AWARDS



red dot



2010

FREQUENTLY ASKED QUESTIONS CONCERNING LOW VISION

What is low vision?

Low vision exists when, despite applying the best corrective eyewear or contact lenses, as well as surgical and pharmacologic treatments, vision is still impaired. Magnifying vision aids help the user to see better, despite the visual impairment.

What are the most common causes of low vision?

Visual impairment can affect anyone, although it mainly occurs among the elderly. The most common causes in our part of the world are age-related macular degeneration (AMD), diabetic retinopathy cataracts and glaucoma among others. (See photos at right.)

What can be done for those with low vision?

Fortunately, vision enhancing products, including the magnification and contrast-enhancing products in this catalog, can maximize the remaining vision in those with vision loss thereby improving their quality of life and allowing them to carry out their daily living tasks more easily and independently.

What are magnifying low vision aids?

Magnifying vision aids are defined as being all optical and electronic aids which compensate for the loss of vision by providing magnification of the images on the retina. Magnifying vision aids improve the quality of life of those suffering from visual impairment so that they are able to carry out their daily tasks more easily and without assistance.

Is there a set of low vision aids you would recommend to get started?

Eschenbach offers a Low Vision Program (see page 65) which includes a diagnostic assortment of low vision aids along with training and consultative support.



Normal Vision



Macular Degeneration

The macula, the area in the retina that is responsible for central vision degenerates causing central vision loss.



Glaucoma or Retinitis Pigmentosa

As the rods in the retina die off, the field of view progressively narrows causing "tunnel vision".



Diabetic Retinopathy

Small scotomas exist throughout the retina.



Cataract

Clouding of the lens leads to impaired vision and also to increased light sensitivity.

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1511-3
1511-4
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Protective Lens Covers (included)



3 Snap-on Filters (included)

ILLUMINATED

Mobilux® LED

- Illuminated hand-held magnifiers with distortion-free lens
- Bright, even illumination provided by SMD LED and collimation optics
- Features loop hole in handle for lanyard (not included)
- Color temperature and light intensity can be selected by attaching one of the three filters supplied (orange, yellow and clear)
- LED light does not require changing and has a service life of approx. 50,000 hours and is brighter than other brands (see chart below)
- The battery life is up to 10 times longer in comparison to a conventional light
- Batteries are easy to change with easy to open cover
- Defined focusing distance: in the case of all aspheric magnifiers and reading magnifiers from Eschenbach Optik the focusing distance (ie: distance from the eye to the virtual image) is precisely 400 mm. The image can therefore be seen clearly with readers which have an addition of +2.50D.
- Protective lens case included

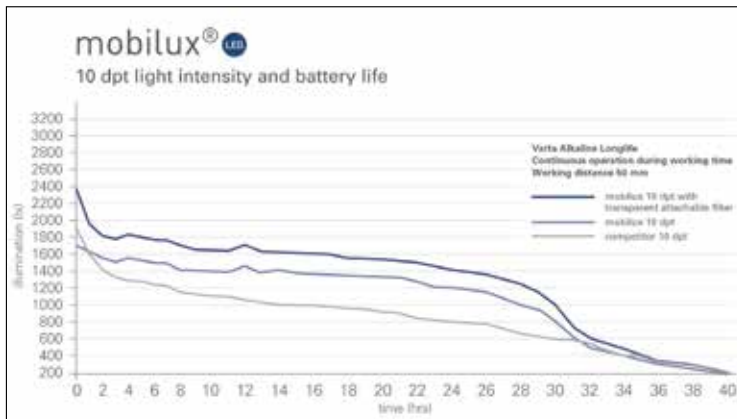
SPECIFICATIONS

- ⊕ Illumination: SMD LED
- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: cera-tec® coating
- ⊕ Power Source: 2 AA batteries (included)
- ⊕ Mount: Ergonomic with easy on/off switch
- ⊕ Warranty: Limited lifetime warranty
- ⊕ Accessories: Mobase stands available separately (1511-00x)
- ⊕ Miscellaneous: 9-pc. Display available - see display section

Item	Dimensions	Magnification	Diopter
1512-2	90 x 54 mm	3.0x	8
1511-2	60 mm	3.0x	12
1511-3	75 x 50 mm	3.5x *	10
1511-4	75 x 50 mm	4.0x **	16
1511-41	60 mm	4.0x	16
1511-5	58 mm	5.0x	20
1511-6	58 mm	6.0x	24
1511-7	35 mm	7.0x	28
1511-10	35 mm	10.0x	38
1511-12	35 mm	12.5x	50

* Commercial magnification

** Diffractive aspheric lens without cera-tec® coating



1511-001 + 1511-3
Upright Position



1511-001 + 1511-3
Flat Position



Mobase

- High quality stand for Mobilux® LED magnifiers
- Can be used in two positions: laid flat for reading or in upright position for hands-free tasks
- Individually designed to ensure the exact viewing distance for each Mobilux® LED magnifier
- Easy conversion from hand-held to stand use

Four different Mobase designs available for all ten Mobilux® LED models:

1511-001



1511-002



1511-003



1511-004



The magnifications of the Mobilux® LED magnifiers for which each stand is designed for are printed on each Mobase stand.

SPECIFICATIONS

- ✚ Mount: Black sturdy plastic
- ✚ Warranty: Limited 1 Year
- ✚ Accessories: Tripod available (MATF-10C)

Item	For Mobilux® LED	Magnification
1511-001	1512-2, 1511-2, 1511-3, 1511-4, 1511-41	3.0x, 3.5x, 4.0x
1511-002	1511-5, 1511-6	5.0x, 6.0x
1511-003	1511-7	7.0x
1511-004	1511-10, 1511-12	10.0x, 12.5x

Special feature of Mobase 1511-003:

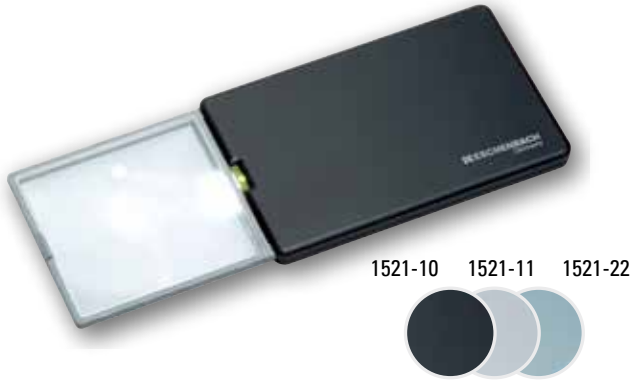
This stand has an additional 1/4" thread in its base. This enables it to be screwed onto a standard flexible tripod (MATF-10C available). The stand enables you to freely adjust the distance of use and it can be used with all Mobilux® LED magnifiers.



1511-003



MATF-10C



EasyPOCKET

- Compact hand-held magnifier with illumination
- Light turns on when device is opened
- Diffractive/aspheric, ultra-thin lens
- Illumination: bright, super-flat SMD-LED
- Glass fiber reinforced plastic case (black, silver and blue)

SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Diffractive/aspheric hybrid
- ✦ Lens Material: PXM® plastic
- ✦ Power Source: Flat button battery CR2025 (2-included)
- ✦ Lens Size: 50 mm x 45 mm x 6 mm
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: 10-pc. Display available - see display section

Item	Color	Dimensions	Magnification	Diopter
1521-10	Black	50 x 45 mm	3.0x	8
1521-11	Silver	50 x 45 mm	3.0x	8
1521-22	Blue	50 x 45 mm	4.0x	16



EasyPOCKET XL

- Compact hand-held magnifier with fold-out stand and illumination
- Light turns on when device is opened
- Diffractive/aspheric, ultra-thin lens
- A flip-out stand enables it to be used as a stand magnifier
- Large illuminated field of view
- Illumination: bright, super-flat SMD-LED
- Glass fiber reinforced plastic case (black or silver)



Can also be used as a stand magnifier.

SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Diffractive/aspheric hybrid
- ✦ Lens Material: PXM® plastic
- ✦ Power Source: Flat button battery CR2032 (2-included)
- ✦ Lens Size: 78 mm x 50 mm x 8.8 mm
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: 10-pc. Display available - see display section

Item	Color	Dimensions	Magnification	Diopter
1522-10	Black	78 x 50 mm	2.5x	6
1522-11	Silver	78 x 50 mm	2.5x	6

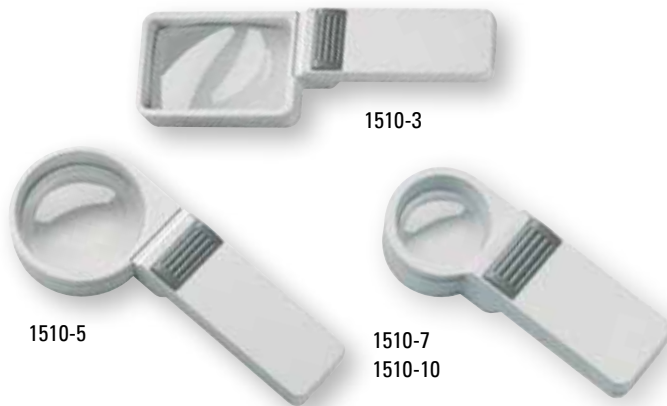
SPECIFICATIONS

- ✦ Illumination: Incandescent (1544)
- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Power Source: 2 AA batteries (included)
- ✦ Mount: High grade white plastic handle
- ✦ Warranty: Limited 1 Year

Item	Dimensions	Magnification	Diopter
1510-3	75 x 50 mm	3.5x	10
1510-5	58 mm	5.0x	20
1510-7	35 mm	7.0x	28
1510-10	35 mm	10.0x	38

Accessories:

- Drawstring pouch available for safely storing the magnifiers (1500-2)



Mobilux® ECONOMY

- Illuminated hand-held magnifier with easy-to-use on/off switch
- Provides distortion-free image and edge-to-edge sharpness
- Batteries are easy to change – when the battery compartment is opened, the upper and lower sections of the housing remain connected via a hinge and can be easily closed again
- Bulb: Incandescent bulb 2.5 V, 250 mA, E10
- Defined focusing distance: in the case of all aspheric magnifiers and reading magnifiers from Eschenbach Optik the focusing distance (the distance from the eye to the virtual image) is precisely 400 mm. The image can therefore be seen clearly with readers which have an addition of +2.50D.

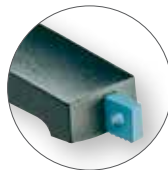
ASPHERIC

Aspheric II

- Ergonomic handle for comfortable grip with slide-out loop hole
- Provides distortion-free viewing and large visual field
- Particularly suitable for reading and looking at pictures with adequate ambient lighting
- Around-the-neck cord included

SPECIFICATIONS

- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Mount: Black matte plastic handle
- ✦ Warranty: Limited lifetime warranty



Accessories:

- Black leather case. Item numbers for the corresponding cases shown in the table.



Item	Dimensions	Magnification	Diopter	Case
2655-50	50 mm	6.0x	24	2855-50
2655-60	58 mm	5.0x	20	2855-60
2655-70	70 mm	4.0x	16	2855-70
2655-750	75 x 50 mm	3.5x	10	2855-750
2655-150	100 x 50 mm	3.0x	7.6	2855-150
2655-175	100 x 75 mm	2.8x	7	2855-175

APLANATIC



Mediplan ERGO

- Ergonomic handle with rubber coating
- DUPLEX coating prevents fogging of the lenses
- Edge-to-edge distortion-free image

SPECIFICATIONS

- ✦ Lens Type: Aplanatic
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: DUPLEX
- ✦ Mount: High grade ABS plastic
- ✦ Warranty: Limited lifetime warranty
- ✦ Accessories: Case can be ordered separately (1500-2)

Item	Dimensions	Magnification	Diopter
2668-50	50 mm	4.5x	14
2668-60	60 mm	3.8x	11.3
2668-75	75 mm	2.9x	7.4
2668-85	85 mm	2.4x	5.6
2668-950	90 x 50 mm	2.7x	7



BICONVEX

Economic

- Lightweight biconvex lens with additional 5x plano-convex lens in the handle
- Black plastic handle with built-in loop hole
- Transparent mount for shadow free viewing
- DUPLEX coating prevents fogging of the lenses
- Around-the-neck cord included

SPECIFICATIONS

- ✦ Lens Type: Biconvex
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: DUPLEX
- ✦ Mount: High grade plastic
- ✦ Warranty: Limited lifetime warranty
- ✦ Accessories: Case can be ordered separately (product 2872)



Item	Dimensions	Magnification	Diopter	Case
2642-65	65 mm	3.0x	7.7	2872-80
2642-80	80 mm	2.3x	5.4	2872-80
2642-100	100 mm	2.0x	4.1	2872-100
2642-120	120 mm	1.9x	3.4	2872-120
2642-840	80 x 40 mm	2.4x	5.7	2872-840
2642-150	100 x 50 mm	2.0x	4	2872-1255
2642-1255	120 x 55 mm	1.85x	3.3	2872-1255

Economy

- Transparent lens frame and handle for maximum light and shadow-free viewing
- Biconvex lens is lightweight and provides distortion-free viewing
- Additional plano-convex bifocal lens with 5x magnification integrated in the handle
- Includes loop hole in handle for carrying cord (not included)

SPECIFICATIONS

- ✦ Lens Type: Biconvex
- ✦ Mount: PXM® plastic
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: 12-pc. Display available - see display section

Item	Dimensions	Magnification	Diopter
2612-407	45 mm	3.25x	9
2612-607	60 mm	2.7x	6.7
2612-807	80 mm	2.3x	5.3
2612-9507	90 x 50 mm	2.0x	4

Visomed

- Transparent lens frame for shadow-free viewing
- Large field of view with low magnification
- High-grade ABS white plastic handle

SPECIFICATIONS

- ✦ Lens Type: Biconvex
- ✦ Mount: PXM® plastic
- ✦ Warranty: Limited lifetime warranty
- ✦ Accessories: Optional black leather cases available (2872)



Item	Dimensions	Magnification	Diopter	Case
2614-65	65 mm	3.0x	7.4	-
2614-80	80 mm	2.25x	5.3	2872-80
2614-840	80 x 40 mm	2.25x	5.3	2872-840
2614-150	100 x 50 mm	2.0x	3.9	2872-150



2612-407



2612-807



2612-607



2612-9507



2614-65



2614-80



2614-840



2614-150



2050-1

SPECIFICATIONS

- ✦ Lens Type: Biconvex
- ✦ Lens Material: PXM® Plastic
- ✦ Lens Size: 60 mm
- ✦ Mount: ABS plastic
- ✦ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Diopter
2050-1	60 mm	2.5x	10

HAND/STAND COMBINATION

Visoflex

- Multi-functional design converts from a hand-held, to stand, or hands-free magnifier
- A stand magnifier with an inclined view is created by opening out the handle ends; a stand magnifier with a straight view can be created by rotating the handle ends apart and then folding the handle ends in towards each other



Stand View

Inclined View



2031



2032



2034

CombiPLUS

- Offers two magnifiers in one - hand-held and stand
- Unfold the metal legs to create a fixed stand
- Fold-out metal legs can be tilted for a more comfortable viewing angle

SPECIFICATIONS

- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Mount: White/black plastic
- ✦ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Diopter
2031	100 x 50 mm	2.6x	6.3
2032	100 x 75 mm	2.8x	7
2034	75 x 50 mm	3.5x	10



FOLDING POCKET

VisoPOCKET

- Ultra-thin lens (2 mm thick)
- Compact fold-out design
- Wide field of view
- High quality built-in leather case
- Case Dimensions: 85 mm x 54 mm x 7 mm
- Available in three case colors: Bordeaux, Black and Brown

SPECIFICATIONS

- ⊕ Lens Type: Diffractive/aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Warranty: Limited lifetime warranty
- ⊕ Miscellaneous: 10-pc. Display available - see display section

Item	Dimensions	Magnification	Diopter	Color
1721-16	74 x 48 mm	2.5x	6	Bordeaux/Red
1721-46	74 x 48 mm	2.5x	6	Brown
1721-56	74 x 48 mm	2.5x	6	Black



1730-231 1730-331



Magno

- Compact fold-out design
- Protective built-in leather case
- Available in two case colors: Blue and Silver

SPECIFICATIONS

- ⊕ Lens Type: Biconvex
- ⊕ Lens Material: PXM® plastic
- ⊕ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Diopter	Color
1730-231	45 mm	3.5x	10	Silver
1730-331	45 mm	3.5x	10	Blue

Classic

- Folding pocket magnifier in classic design
- Built-in protective leather case
- Available in four case colors and three lens sizes
- Super DUPLEX coating prevents fogging of the lenses with an additional hard coating



SPECIFICATIONS

- ⊕ Lens Type: Biconvex
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: Super DUPLEX
- ⊕ Warranty: Limited lifetime warranty

Item	Color	Magnification	Dimensions	Diopter
1740-130	Burgundy/Red	6.0x	30 mm	24
1740-150	Burgundy/Red	3.5x	50 mm	10
1740-160	Burgundy/Red	3.5x	60 mm	10
1740-250	Pine Green	3.5x	50 mm	10
1740-260	Pine Green	3.5x	60 mm	10
1740-450	Brown	3.5x	50 mm	10
1740-460	Brown	3.5x	60 mm	10
1740-530	Black	6.0x	30 mm	24
1740-550	Black	3.5x	50 mm	10
1740-560	Black	3.5x	60 mm	10
1752-150	Maroon	3.5x	50 mm	10
1752-160	Maroon	3.5x	60 mm	10
1752-550	Black	3.5x	50 mm	10
1752-560	Black	3.5x	60 mm	10
1752-850	Tan	3.5x	50 mm	10
1752-860	Tan	3.5x	60 mm	10

Mobilent / Mobilent LED

- High magnification folding pocket magnifiers
- Built-in plastic case encloses the lens and keeps it protected
- Around-the-neck lanyard included with each magnifier
- Eye-to-lens distance printed on case
- LED illumination with push button (1520 Mobilent LED Only)

SPECIFICATIONS

- ⊕ Illumination: SMD LED (1520 Mobilent LED Only)
- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Warranty: Limited lifetime warranty

Item	Color	Dimensions	Magnification	Diopter
1710-94	White	35 mm	4.0x	16
1710-97	White	35 mm	7.0x	28
1710-910	White	35 mm	10.0x	38
1520-94	White	35 mm	4.0x	16
1520-97	White	35 mm	7.0x	28
1520-910	White	35 mm	10.0x	38



Designo

- Sliding case provides optimum lens protection
- Built-in black plastic case



SPECIFICATIONS

- ✚ Lens Type: Biconvex
- ✚ Lens Material: PXM® plastic
- ✚ Mount: ABS plastic
- ✚ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Diopter
1711	30 mm	5.0x	20



2136-1

2136-2

SPECIFICATIONS

- ✚ Lens Type: Biconvex
- ✚ Lens Material: Glass
- ✚ Mount: Gold-plated metal, chrome-plated metal
- ✚ Warranty: Limited lifetime warranty

Item	Color	Dimensions	Magnification	Diopter
2136-1	Gold	40 mm	3.5x	10
2136-2	Chrome	40 mm	3.5x	10

PENDANT

- Metal frame and handle have an elegant finish
- Available in a gold-plated or chrome-plated
- Around-the-neck 32" chain included

AROUND-THE-NECK

Economy / MaxiPLUS

- Allows for hands-free tasks such as knitting
- Transparent frame for shadow-free magnification
- Additional built-in 35 mm lens with 4x magnification for particularly detailed work (2678 only)
- Non-slip foam rubber pads on the feet
- Around-the-neck cord included

SPECIFICATIONS

- ✚ Lens Type: Biconvex
- ✚ Lens Material: PXM® plastic
- ✚ Mount: PXM® plastic
- ✚ Warranty: Limited 1 Year



2677

2678

Item	Dimensions	Magnification	Diopter
2677	100 mm	2.0x	3.2
2678	100 x 140/ 35 mm	2.0x/4.0x	2.6/11.2

ILLUMINATED



1565-12

Scribolux

- Large, tilted lens design provides a wide field of view
- Lens is 3 in. above the surface - allows for writing underneath
- Bright, even and glare-free illumination
- Push-button switch for easy on/off operation
- Automatic shut-off function after 30 minutes to avoid unnecessary power consumption
- The focusing distance (distance from the eye to the virtual image) is precisely 400 mm. The image can therefore be seen clearly with readers which have an addition of +2.50D.
- Microfiber pouch included (pouch can also be used for cleaning the lens)

SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Power Source: 3 AA batteries (Included)
- ✦ Mount: Silver ABS plastic
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: Display available - see display section

Item	Dimensions	Magnification	Diopter
1565-12	100 x 75 mm	2.8x	7

Accessories:

Protective hard foam case available (1565-1209)



1565-1209



1566

Visolux+

- Large, tilted lens design provides a wide field of view
- Even, bright and glare-free illumination provided by two SMD LEDs
- Provides two light options: bright white or soft orange (orange filter slides over LED - see images on right)
- Automatic shut-off function after 30 minutes to avoid unnecessary power consumption
- Hard foam case included

SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Double lens system (Meniscus/Aspheric)
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Power Source: 3 AA batteries (included)
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: Display available - see display section

Item	Dimensions	Magnification	Diopter
1566	100 x 75 mm	3.0x	12



Provides 2 Illumination Options



Powerlux

- Ergonomic design with award winning shape
- Easy orientation, can be used by right and left handers
- Available in 2 color temperatures: warm yellow or cool blue
- Push-button switch for easy on/off operation
- 2 SMD LEDs are positioned opposite each other to provide shadow-free illumination
- Economical power consumption due to automatic shut-off function which turns the light off after 30 minutes
- Protective hard foam case included



SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Power Source: 3 AA batteries (included)
- ✦ Warranty: Limited lifetime warranty
- ✦ Miscellaneous: Display available - see display section

Item	Dimensions	Color Temp.	Magnification	Diopter
1586-14	58 mm	8,000 K	3.5x	14
1586-141	58 mm	3,000 K	3.5x	14
1586-20	58 mm	8,000 K	5.0x	20
1586-201	58 mm	3,000 K	5.0x	20
1586-28	58 mm	8,000 K	7.0x	28
1586-281	58 mm	3,000 K	7.0x	28



Warm Yellow:
1586-141
1586-201
1586-281



Cool Blue:
1586-14
1586-20
1586-28

NON-ILLUMINATED



2636-11

Visomax

- Open base design for writing underneath
- Large, rectangular lens rotates 180 degrees
- Features a 7D lens with additional 4D lens attached underneath (can be removed to obtain larger visual field)
- Transparent plastic base for bright viewing
- Can be used with the 2606 bar magnifier for 5.6x total magnification (see page 20)

SPECIFICATIONS

- ✦ Lens Type: Aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Diopter	Mag. Without Additional Lens
2636-11	100 x 75 mm	3.8x	11	2.8x/7.0 D

System VarioPLUS

- Magnifier head and handle ordered separately
- Details relating to magnification/diopter and value/ recommended eye-lens distance printed on all magnifier heads
- Bright, even illumination is provided by enclosed magnifier head design
- To achieve a uniform reading distance, the System VarioPLUS can be used with a reading stand (Item 1605, page 61)

SPECIFICATIONS

- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: cera-tec® coating
- ⊕ Power Source: 2 "C" Batteries for handles (not included)
- ⊕ Mount: High grade white plastic
- ⊕ Warranty: Limited lifetime warranty



Illuminated handle, LED:

- LED illumination, unlimited life, does not require changing
- Attachable filters provide three different color temperatures
- Step-up converter for even, consistently bright illumination
- Retractable leg for stability

Illuminated handle, Incandescent:

- Incandescent filament bulb (1545 replacement bulb)
- Retractable leg for stability

Attachable Scale (1/5 mm and 1.64 in.):
Included with 1550-73



Flip-up Reading Line:
Included on 1553-93, 1554-93, 1559-93



Flip-up Yellow Lens (4D):
Included on 1580-63, 1582-63



System VarioPLUS

Item	Product	Dimensions	Magnification	Diopter	Additional features	Case
1559-93	Round Head	80 mm	3.0x	12	With retractable red reading line	1560-2
1554-93	Round Head	70 mm	4.0x	16	With retractable red reading line	1560-2
1553-93	Round Head	58 mm	5.0x	20	With retractable red reading line	1560-2
1552-73	Round Head	50 mm	6.0x	24	–	1560-1
1551-73	Round Head	35 mm	7.0x	28	–	1560-1
1550-73	Round Head	35 mm	10.0x	38	Incl. attachable measurement scale, graduation 0.5 mm and 1/64 inch	1560-1
1557-73	Round Head	35 mm	12.5x	50	–	1560-1
1582-63	Rectangular Head	100 x 75 mm	2.8x	7	With additional flip-up yellow lens (4D). 450 nm-cut-off filter and ergonomic, tiltable magnifier head	1560-3
1580-63	Rectangular Head	100 x 50 mm	3.0x	7.6	With additional flip-up yellow lens (4D). 450 nm-cut-off filter and ergonomic, tiltable magnifier head	1560-3
1581-73	Rectangular Head	100 x 50 mm	3.9x	11.4	Aplanatic	1560-3
1599-144	LED Handle	150 x 35	-	-	2x LEDs	-
1599-10	Incandescent Handle	150 x 35	-	-	2.5v Incandescent bulb	-

For technical information please refer to page 78.



1599-144 + 1580-63
LED handle with lens head
attached

Accessories:

- Case

1560-1
1560-2
1560-3



BRIGHT FIELD MAGNIFIERS



1438-30

SPECIFICATIONS

- ⊕ Illumination: SMD LED
- ⊕ Lens Type: Meniscus/aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Power Source: 1 AA battery (included)
- ⊕ Mount: Silver ABS plastic
- ⊕ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification
1438-30	63 mm	3.0x

Menas LUX

- Illuminated stand magnifier with large eye-to-eye lens distance
- Push-button switch for easy on/off operation
- Step-up converter provides constant brightness over the lifetime of the battery
- Distortion-free image with edge-to-edge sharpness
- Ultra-flat design with a large field of view
- Height 1.8 in (45 mm)
- Draw string pouch included (pouch can also be used for cleaning the lens)



1438-8

Menas ZOOM

- Adjustable magnification in increments of 2.2x, 2.5x, 2.8x, 3.1x, and 3.4x
- Distortion-free images with edge-to-edge sharpness
- Twist lens upwards to increase magnification
- Large eye-to-lens distance with a wide field of view
- Magnification point indicator on top of magnifier
- Draw string pouch included (pouch can also be used for cleaning the lens)



SPECIFICATIONS

- ⊕ Lens Type: Meniscus/Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification
1438-8	65 mm	2.2 x-3.4 x



Makrolux

- Extra wide lens covers a whole newspaper column
- Tilted lens for comfortable reading position
- Ridges on bottom keep lens 1 mm off reading surface to prevent scratches
- Push-button light switch for easy on/off operation
- Automatic shut-off function after 30 minutes to avoid unnecessary power consumption
- Includes bright LED illumination
- Microfiber pouch included (pouch can also be used for cleaning the lens)



SPECIFICATIONS

- ⊕ Illumination: SMD LED
- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Power Source: 3 AA batteries (included)
- ⊕ Mount: Silver ABS plastic and a matte edge
- ⊕ Warranty: Limited lifetime warranty
- ⊕ Miscellaneous: Display available - see display section

Item	Dimensions	Magnification
1436-11	90 x 55 x 82 mm	2.2x
1436-21	90 x 63 x 90 mm	3.6x



MakroPLUS Aspheric

- Thin rectangular design ideal for reading print
- Tilted lens for comfortable reading position
- Ridges on bottom keep lens 1mm off the reading surface to prevent scratches
- 1436 lens is wide enough to view a full newspaper column

SPECIFICATIONS

- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Mount: Matte edge
- ⊕ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification
1426	65 x 36 x 46 mm	1.8x
1436	90 x 35 x 70 mm	2.2x

BRIGHT FIELD MAGNIFIERS

1420



1421



1424



Dome

- Image has double the surface brightness in comparison to ambient light conditions
- Durable, scratch-resistant glass lenses (1420, 1421)
- Combination of a dome magnifier and reading glasses doubles the magnification at the same reading distance
- Draw string pouch included (pouch can also be used for cleaning the lens)

SPECIFICATIONS

- ✚ Lens Type: Planoconvex
- ✚ Lens Material: Optical quality glass (1420, 1421)/PXM® plastic (1424 only)
- ✚ Mount: Black plastic (1421, 1424)
- ✚ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Details
1420	65 mm	1.8x	Glass lens
1421	65 mm	1.8x	Red guide line included (removable) - Glass lens
1424	45 mm	1.8x	PXM® Plastic lens



2605

2608

2606

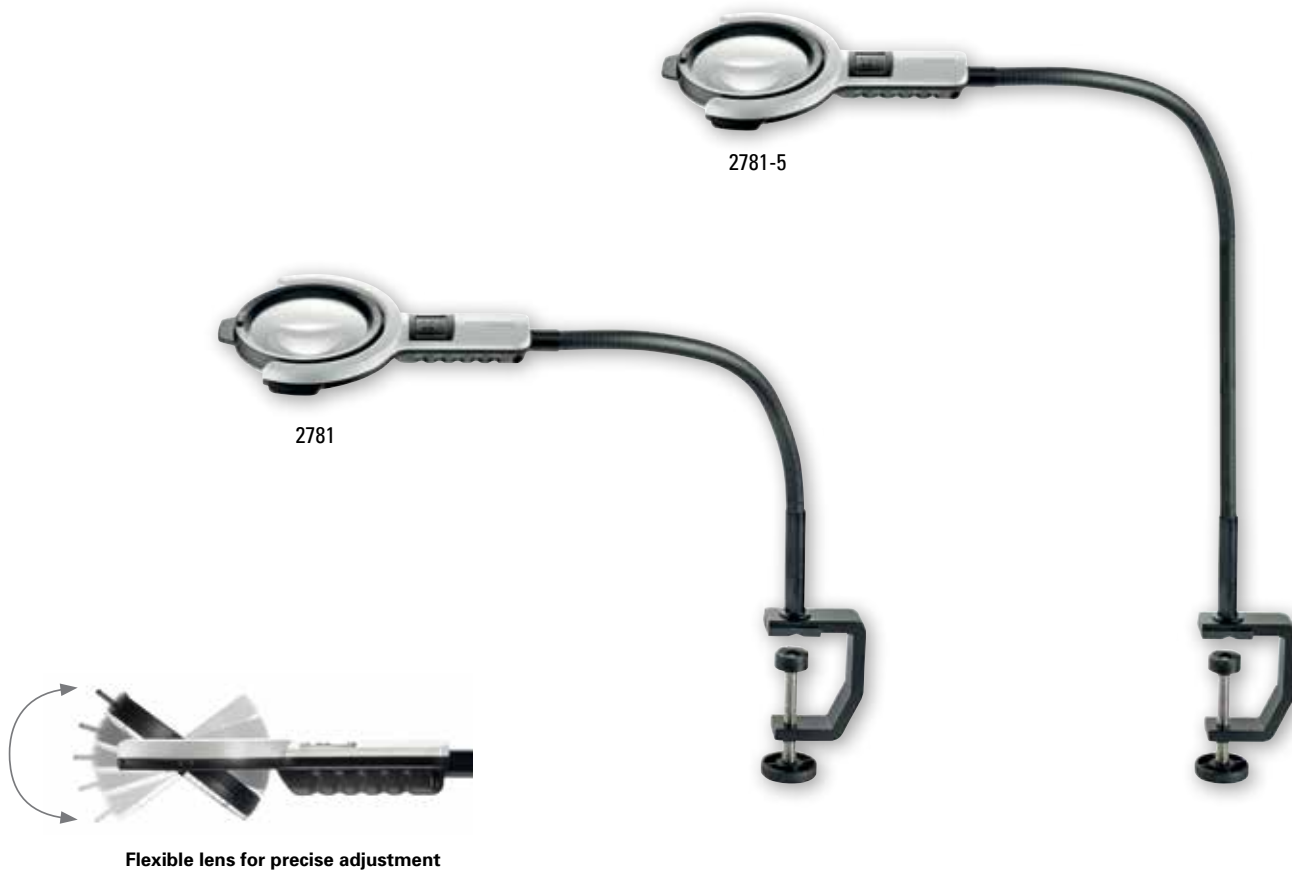
SPECIFICATIONS

- ✚ Lens Type: Planoconvex
- ✚ Lens Material: PXM® plastic
- ✚ Warranty: Limited lifetime warranty

Item	Dimensions	Magnification	Details
2605	200 x 25 mm	1.8x	Grip bar
2606	122 x 26 mm	2.0x	Higher magnification due to aspheric surface Scratch-resistant underside Can be used with Visomax (2636-11)
2608	250 x 35 mm	1.8x	

BAR MAGNIFIERS

- Elongated lens design is ideal for reading rows of text
- Magnifying rulers only magnify in one direction, the height of the letters is therefore increased but the width remains the same
- Red line guide included for orientation



LAMP MAGNIFIERS

VarioLED Flex

- Provides a distortion-free image with edge-to-edge sharpness
- Ring of 63 SMD LEDs provide shadow-free illumination
- Switch between ring illumination (full) and segment (partial) illumination for examining surfaces
- Illumination level: approx. 6,000 lx (at a working distance of 150 mm)
- Ergonomic handle with push button on/off light switch
- 2 options available, 14 in. and 22.6 in. arm length
- Gooseneck design with optimum swivel range
- Microfiber pouch to cover lens included (pouch can also be used for cleaning the lens)

Accessories:

2781-9 Table Base

- Steel, black finish, weight 5 lbs. 2 oz.
- 5 in. diameter with bottom rubber grip



SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Lens Type: Aspheric
- ✦ Lens Material: PMX® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Power Source: Electric (8 ft. cord)
- ✦ Mount: Plastic
- ✦ Arm: 14 in. (2781) / 22.6 in. (2781-5) flexible gooseneck
- ✦ Base: Table clamp included, attaches to tables up to 60 mm thick (optional table base available)
- ✦ Warranty: Limited 1 Year

Item	Dimensions	Arm length	Magnification	Diopter
2781	76 mm	350 mm	2.5x	6
2781-5	76 mm	600 mm	2.5x	6



Adjustable LED illumination ring

2777-3
2777-6

VarioLED+

- Aspherical PXM® lightweight lens with cera-tec® hard coating
- Provides sharp, distortion-free images
- Swivel range of magnifier head: vertical $\pm 90^\circ$, radial $\pm 90^\circ$
- Magnifier head has 6 joints to ensure optimum positioning
- Arm can be variably positioned by adjusting
- 3 easy-to-use push buttons for turning the lamp on, switching between ring and segment lighting, and dimming the light (100%, 60%, 40%)
- 84 long-lasting high-performance LEDs provide uniform illumination
- Table clamp and protective hinged lens cover included

Accessories:

2772-9 Table Base

- Cast iron, white finish
- Weight: 13 lbs. 4 oz.
- 10.2 in. diameter



SPECIFICATIONS

- ✦ Illumination: LED
- ✦ Lens Type: Aspheric
- ✦ Lens Material: PMX® plastic
- ✦ Lens Coating: cera-tec® coating
- ✦ Power Source: Electric
- ✦ Mount: High grade white plastic
- ✦ Lens-to-Image Distance: 11 in. (2777-3); 6.5 in. (2777-6)
- ✦ Arm: Extends up to 31.5"
- ✦ Base: Table clamp included, attaches to table 18-74mm thick, Table base available (2772-9)
- ✦ Warranty: Limited 1 Year

Item	Dimensions	Magnification	Diopter
2777-3	132 mm	1.9x	3.5
2777-6	132 mm	2.5x	6



FGX-1011356 - Liberty



FGX-1012188 - Lindy

ILLUMINATED

LightSpecs®

- Features LED illumination and high-powered magnification
- Powered by two flat button-sized batteries that are pre-installed and last up to 50 hours
- Each pair includes an LED on each temple that can be individually activated with an on/off light switch inside of the temple
- Available in two unisex frame styles, Liberty and Lindy
- Seven different magnifications available, up to +5.00D
- Protective black case with four extra batteries included

SPECIFICATIONS

- ✦ Illumination: LED
- ✦ Lens Type: Single vision
- ✦ Lens Material: Polycarbonate
- ✦ Lens Coating: Scratch resistant coating
- ✦ Frame Material: Plastic
- ✦ Power Source: 2 CR1632 flat-button batteries (included)
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year
- ✦ Miscellaneous: Display available - see display section

FRAMES

Name	Frame Size	Bridge Size	Temple Size	Description
Liberty	50 mm	19 mm	152 mm	Black or Tortoise, rectangular frame style
Lindy	50 mm	17 mm	148 mm	Tortoise only, oval frame style

Item	Color	Diopter	Frame
FGX-1011356-150	Black	+1.50	Liberty
FGX-1011356-200	Black	+2.00	Liberty
FGX-1011356-400	Black	+4.00	Liberty
FGX-1011356-500	Black	+5.00	Liberty
FGX-1011223-150	Tortoise	+1.50	Liberty
FGX-1011223-200	Tortoise	+2.00	Liberty
FGX-1011223-300	Tortoise	+3.00	Liberty
FGX-1011223-400	Tortoise	+4.00	Liberty
FGX-1011223-500	Tortoise	+5.00	Liberty
FGX-1012188-150	Tortoise	+1.50	Lindy
FGX-1012188-200	Tortoise	+2.00	Lindy
FGX-1012188-250	Tortoise	+2.50	Lindy
FGX-1012188-300	Tortoise	+3.00	Lindy
FGX-1012188-350	Tortoise	+3.50	Lindy
FGX-1012188-500	Tortoise	+5.00	Lindy





2905-0 2905-1 2905-2 2905-3



PROGRESSIVE

Miniframe2

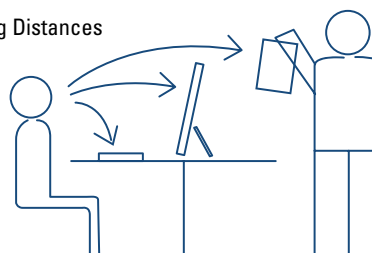
- Provides multiple viewing distances in comparison to single vision readers (see diagram on right)
- Strength increases by 1 diopter from the top of the lens to the bottom of the lens
- Ready-to-wear readers in 5 different powers depending on style
- Temple colors available in Gun Metal, Gold, Blue and Red
- Black felt-lined case included

SPECIFICATIONS

- ✦ Lens Type: Progressive
- ✦ Lens Material: PXM® Plastic
- ✦ Lens Coating: Surface Coating
- ✦ Frame Material: Chrome-plated
- ✦ Frame Size: 48 mm
- ✦ Bridge Size: 15 mm
- ✦ Temple Size: 140 mm
- ✦ Warranty: Limited 1 Year
- ✦ Miscellaneous: 10-pc. Display available - see display section

Item	Color	Diopter	Item	Color	Diopter
2905-010	Gun Metal	+1.00	2905-210	Blue	+1.00
2905-015	Gun Metal	+1.50	2905-215	Blue	+1.50
2905-020	Gun Metal	+2.00	2905-230	Blue	+3.00
2905-025	Gun Metal	+2.50			
2905-030	Gun Metal	+3.00	2905-310	Red	+1.00
2905-110	Gold	+1.00	2905-315	Red	+1.50
2905-115	Gold	+1.50			

Viewing Distances



2908-0



Item	Color	Diopter
2908-010	Gun Metal	+1.00
2908-015	Gun Metal	+1.50
2908-020	Gun Metal	+2.00
2908-025	Gun Metal	+2.50
2908-030	Gun Metal	+3.00

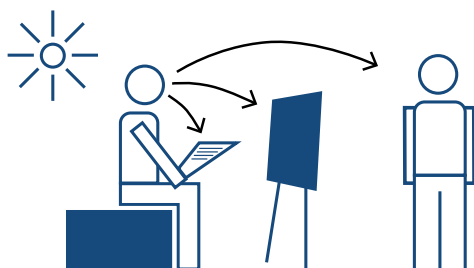
Miniframe2 SUN

- Provides multiple viewing distances in comparison to single vision readers (see diagram on left)
- Ready-to-wear readers with 85% gray tint and 100% UV protection
- Available in 5 different powers
- Strength increases by 1 diopter from the top of the lens to the bottom of the lens
- Temple colors available in gun metal only
- Black felt-lined case included

SPECIFICATIONS

- ✦ Lens Type: Progressive
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: Surface coating
- ✦ Frame Size: 48 mm
- ✦ Bridge Size: 15 mm
- ✦ Temple Size: 140 mm
- ✦ Tint Color: Gray Tint
- ✦ Light Transmission: 24.4%
- ✦ Warranty: Limited 1 Year
- ✦ Miscellaneous: 10-pc. Display available - see display section

Viewing Distances





FGX-1015504 - Zera



FGX-1015505 - Charlisie



FGX-1015508 - Wes



FGX-1015509 - James

MultiFocus

- Ready-to-wear readers that have variable focus lenses
- Strength at top of the lens is approximately half the strength as the bottom of the lens
- Provides multiple working distances in comparison to single vision readers (see diagram on right)
- Available in 4 frame styles: Zera, Charlisie, Wes and James
- Black felt-lined hard case included



Item	Color	Diopter	Frame
FGX-1015504-100	Black	+1.00	Zera
FGX-1015504-150	Black	+1.50	Zera
FGX-1015504-175	Black	+1.75	Zera
FGX-1015504-200	Black	+2.00	Zera
FGX-1015504-250	Black	+2.50	Zera
FGX-1015504-275	Black	+2.75	Zera
FGX-1015505-100	Brown	+1.00	Charlsie
FGX-1015505-150	Brown	+1.50	Charlsie
FGX-1015505-175	Brown	+1.75	Charlsie
FGX-1015505-200	Brown	+2.00	Charlsie
FGX-1015505-250	Brown	+2.50	Charlsie
FGX-1015505-275	Brown	+2.75	Charlsie
FGX-1015508-100	Gun Metal	+1.00	Wes
FGX-1015508-150	Gun Metal	+1.50	Wes
FGX-1015508-175	Gun Metal	+1.75	Wes
FGX-1015508-200	Gun Metal	+2.00	Wes
FGX-1015508-250	Gun Metal	+2.50	Wes
FGX-1015508-275	Gun Metal	+2.75	Wes
FGX-1015509-100	Black	+1.00	James
FGX-1015509-150	Black	+1.50	James
FGX-1015509-175	Black	+1.75	James
FGX-1015509-200	Black	+2.00	James
FGX-1015509-250	Black	+2.50	James
FGX-1015509-275	Black	+2.75	James

SPECIFICATIONS

- ✚ Lens Type: Progressive
- ✚ Lens Material: Polycarbonate
- ✚ Lens Coating: A/R Coating
- ✚ Warranty: Limited 1 Year

FRAMES

Name	Frame Size	Bridge Size	Temple Size	Description
Zera	53 mm	16 mm	135 mm	Black matte over translucent magenta with spring hinges
Charlsie	53 mm	18 mm	135 mm	Dark satin brown flat metal with spring hinges
Wes	54 mm	17 mm	140 mm	Satin gun metal with plastic temples and spring hinges
James	53 mm	16 mm	140 mm	Black over clear plastic frame with spring hinges



2913-1



2913-2

RIMLESS

Ready-made readers

- Rimless single-vision readers
- Available in 2 colors: Purple (small) and Anthracite (large)
- Strengths from +1.00D to +4.00D in +0.50D increments
- Plastic temples, adjustable nose pads
- Matching leatherette zippered case included



SPECIFICATIONS

- ⊕ Lens Type: Single vision
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: Hard coating
- ⊕ Warranty: Limited 1 Year

Item	Color	Diopter
2913-110	Purple	+1.00
2913-115	Purple	+1.50
2913-120	Purple	+2.00
2913-125	Purple	+2.50
2913-130	Purple	+3.00
2913-135	Purple	+3.50
2913-140	Purple	+4.00

Item	Color	Diopter
2913-210	Anthracite	+1.00
2913-215	Anthracite	+1.50
2913-220	Anthracite	+2.00
2913-225	Anthracite	+2.50
2913-230	Anthracite	+3.00
2913-235	Anthracite	+3.50
2913-240	Anthracite	+4.00

FRAMES

Item	Frame Size	Bridge Size	Temple Size	Color
2913-1	49 mm	17 mm	145 mm	Purple
2913-2	52 mm	16 mm	145 mm	Anthracite





BLUE LIGHT BLOCKING

Polinelli®

- Blue light blocking single vision readers
- Available in 5 frame styles featuring a rubberized texture
- Frames are lightweight and durable with spring hinges
- Strength ranges from plano to +4.00D depending on style
- 100% UV protection and 3-layer anti-reflective coating
- BluePro Technology lens coating blocks 30% of harmful blue light
- Super thin lenses are lightweight and scratch-resistant
- Matching silicone neck cord and soft case included



Item	Color	Diopter
FGX-P100-000	Black/Blue	+0.00
FGX-P302-000	Black/Gun Metal	+0.00
FGX-P200-210	Purple	+1.00
FGX-P200-215	Purple	+1.50
FGX-P200-220	Purple	+2.00
FGX-P200-225	Purple	+2.50
FGX-P200-310	Pink	+1.00
FGX-P200-315	Pink	+1.50
FGX-P200-320	Pink	+2.00
FGX-P200-325	Pink	+2.50
FGX-P300-415	Black/White	+1.50
FGX-P300-420	Black/White	+2.00
FGX-P300-425	Black/White	+2.50
FGX-P300-510	Black/Clear	+1.00
FGX-P300-515	Black/Clear	+1.50
FGX-P300-520	Black/Clear	+2.00

SPECIFICATIONS

- ✚ Lens Type: Single vision
- ✚ Lens Material: Polycarbonate
- ✚ Lens Coating: BluePro, A/R Coating
- ✚ Frame: Polycarbonate and TR-90
- ✚ Warranty: Limited 1 Year
- ✚ Miscellaneous: Displays available - see display section

FRAMES

Item	Frame Size	Bridge Size	Temple Size	Description
FGX-P100	53 mm	16 mm	140 mm	Classic square with dual colors
FGX-P200	52 mm	15 mm	140 mm	Oversized with Two-tone
FGX-P300	53 mm	16 mm	140 mm	Rectangular shape with two-tone
FGX-P301	49 mm	20 mm	140 mm	Modified round with wood texture
FGX-P302	53 mm	16 mm	140 mm	Oversized square with wood texture

Item	Color	Diopter
FGX-P300-525	Black/Clear	+2.50
FGX-P300-530	Black/Clear	+3.00
FGX-P300-535	Black/Clear	+3.50
FGX-P300-540	Black/Clear	+4.00
FGX-P301-210	Purple/Black	+1.00
FGX-P301-215	Purple/Black	+1.50
FGX-P301-220	Purple/Black	+2.00
FGX-P301-225	Purple/Black	+2.50
FGX-P301-610	Brown/Black	+1.00
FGX-P301-615	Brown/Black	+1.50
FGX-P301-620	Brown/Black	+2.00
FGX-P301-625	Brown/Black	+2.50
FGX-P301-630	Brown/Black	+3.00
FGX-P301-635	Brown/Black	+3.50
FGX-P301-640	Brown/Black	+4.00



1644-504 with clip set for binocular lens



1644-504 with monocular lens

CLIP-ON SYSTEM

LaboMED Frame

- Frame for interchangeable clip-on lenses (lenses not included - see page 29)
- Position of lens can be easily adjusted using a quick snap closure
- Discrete metal frame, black matte finish
- Can also be used with monocular lens components
- Supplied with protective box

SPECIFICATIONS

- ✦ Lens Type: Fits 1645 lenses (not included)
- ✦ Mount: Glass fiber-reinforced plastic lens clip
- ✦ Frame Size: 65 mm
- ✦ Bridge Size: 15 mm
- ✦ Temple Size: 145 mm
- ✦ Frame: Metal with matte black finish
- ✦ Field of view: Unrestricted
- ✦ Miscellaneous: Fits over prescription eyewear
- ✦ Warranty: Limited 1 Year



1647

LaboMED Kit

- Diagnostic Kit with 2 lens mounting mechanisms and complete set of clip-on monocular and binocular lenses
- Includes: 1644-504 LaboMED frame, 1646-20 Clip-on with 2x lens, 1645-1 2x lens, 1645-2 2.5x lens, 1645-3 3x lens, 1645-4 4x lens, 1645-7 7x lens and 1644-C case

LaboCOMFORT

- Headband magnifier with adjustable strap and binocular lens (included)
- Ratcheted hinge on lens cover can be raised and lowered
- Black, enclosed plastic shield blocks diffused light
- Lenses snap into the high grade ABS plastic housing
- Can only be used with binocular lenses (4 magnifications available)
- Can be used by spectacle wearers

SPECIFICATIONS

- ✦ Lens Type: Fits 1648 lenses
- ✦ Mount: Black plastic
- ✦ Miscellaneous: Fits over prescription eyewear
- ✦ Warranty: Limited 1 Year



1648

Item	Lens	Magnification	Diopter	Working Dist. Approx.
1648-17	Binocular	1.7x	2.5	400 mm
1648-20	Binocular	2.0x	2.5	250 mm*
1648-25	Binocular	2.5x	5	180 mm
1648-30	Binocular	3.0x	7.75	130 mm

*Shorter working distance due to integrated convergence supporting prisms.



Example of use with binocular lens on spectacles

1646-17
1646-20
1646-25
1646-30



Example of use with monocular lens on spectacles

1646-40
1646-70

LaboCLIP

- Clip-on system with interchangeable lenses
- Clips onto user's spectacles to achieve optimum image quality and hands-free magnification
- 6 magnification options (4 binocular, 2 monocular)
- Lens sizes: monocular 40 mm, binocular 74.5 mm x 28 mm
- Lightweight, black plastic clip
- Rubber tips on clamp ends protect lenses from scratching
- Clip opens 15 mm wide, fits most eyeglass frames
- Supplied with protective box

Item	Lens	Magnification	Diopter	Working Dist. Approx.
1646-17	Binocular	1.7x	2.5	400 mm
1646-20	Binocular	2.0x	2.5	250 mm*
1646-25	Binocular	2.5x	5	180 mm
1646-30	Binocular	3.0x	7.75	130 mm
1646-40	Monocular	4.0x	16	55 mm
1646-70	Monocular	7.0x	28	32 mm

*Shorter working distance due to integrated convergence supporting prisms.

SPECIFICATIONS

- ⊕ Lens Type: Aspheric
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: cera-tec® coating
- ⊕ Bridge Size: 22 mm
- ⊕ Frame Material: Black glass fiber-reinforced plastic
- ⊕ Warranty: Limited 1 Year

Clip-on Lenses

Lenses available without the clip

These lenses are available separately using the following item numbers:

Item	Lens	Magnification	Diopter	Working Dist. Approx.
1645-5	Binocular	1.7x	2.5	400 mm
1645-1	Binocular	2.0x	2.5	250 mm*
1645-2	Binocular	2.5x	5	180 mm
1645-3	Binocular	3.0x	7.75	130 mm
1645-4	Monocular	4.0x	16	55 mm
1645-7	Monocular	7.0x	28	32 mm

*Shorter working distance due to integrated convergence supporting prisms.

Lenses: Binocular

1645-1 1645-2
1645-3 1645-5

Lenses: Monocular

1645-4
1645-7





NOVES

Noves MONO

- Monocular magnifying eyewear with ultra-thin lenses
- Gold frame with spring hinges
- Half-eye design allows orientation above the eyewear
- Lens thickness only 4.5 mm
- Opposite lens is frosted for occlusion
- The spring-hinged frame has adjustable temples, soft silicone pads and easily adjustable padded arms
- Supplied in a hard shell case

Noves MONO Kits

1681-1Kit Dispensing Kit

Contents: 1 of each of 1681-3R, 1681-3L, 1681-4R, 1681-4L, 1681-5R, 1681-5L, 1681-6R, and 1681-6L. Comes in attractive metal display case.



Noves BINO

- Magnifying readers with prismatic convergence support for magnification requirements of up to 10D
- The lenses have a subtle appearance and a uniform thickness of 4 mm, regardless of the optical power
- Maximum protection of lenses against mechanical influences and dust is provided by high-precision, diffractive nanostructures on the insides of the lenses
- The half-eye design facilitates orientation above the eyewear
- Gold frame with spring hinges, adjustable temples, soft pads and easily adjustable pad arms
- Supplied in a hard shell case

1682-2KIT

A 5-piece kit containing one each of +4.0D, +5.0D, +6.0D, +8.0D and +10.0D noves bino eyewear in attractive metal case.

SPECIFICATIONS

- ✦ Lens Type: Aspheric-diffractive
- ✦ Lens Material: PXM[®] plastic
- ✦ Lens Coating: cera-tec[®] coating
- ✦ Temple Design: Spring-hinged, removable sheath allows temples to be shortened
- ✦ Frame Size: 42 mm
- ✦ Bridge Size: 23 mm
- ✦ Temple Size: 145 mm
- ✦ Weight: 20 g
- ✦ Warranty: Limited 1 Year

Item	Magnification	Diopter	Working Distance Approx.	Optics
1681-3R 1681-3L	3.0x	12.0	83 mm	Right Left
1681-4R 1681-4L	4.0x	16.0	65 mm	Right Left
1681-5R 1681-5L	5.0x	20.0	50 mm	Right Left
1681-6R 1681-6L	6.0x	24.0	42 mm	Right Left

1681-KitOU

A special 4-piece kit containing one each +12D, +16D, +20D and +24D noves eyewear with lenses mounted OU. For diagnostic purposes only. Comes in metal display case.

SPECIFICATIONS

- ✦ Lens Type: Aspheric with diffractive structures
- ✦ Lens Material: PXM[®] plastic
- ✦ Lens Coating: cera-tec[®] coating
- ✦ Temple Design: Spring-hinged, removable sheath allows temples to be shortened
- ✦ Frame Size: 42 mm
- ✦ Bridge Size: 22 mm
- ✦ Temple Size: 145 mm
- ✦ Weight: 18 g
- ✦ Warranty: Limited 1 Year

Item	Diopter/Prism	Working Distance Approx.
1682-4	4.0 w/5.0D Δ in	250 mm
1682-5	5.0 w/6.0D Δ in	200 mm
1682-6	6.0 w/7.0D Δ in	165 mm
1682-8	8.0 w/9.0D Δ in	125 mm
1682-10	10.0 w/11.0D Δ in	100 mm



1682-2KIT



1680

PRISMATIC

Prismatic BINO Comfort

- Binocular readers with a higher addition and prismatic convergence support
- Available in five different strengths with convergence-supporting prisms corresponding to the respective strength
- Not only achieves outstanding results but also looks good – stylish design means high level of acceptability
- The spring-hinged frame has adjustable temples, soft pads and easily adjustable pad arms
- Supplied in a hard shell case

1680-1KIT

A 5-piece kit containing one each of +4.0D, +5.0D, +6.0D, +8.0D and +10.0D Prismatic BINO comfort eyewear in attractive metal case.



1680-1KIT

SPECIFICATIONS

- ⊕ Lens Type: Prism
- ⊕ Lens Material: CR-39
- ⊕ Lens Coating: Hard coating
- ⊕ Temple Design: Spring-hinged, removable sheath allows temples to be shortened
- ⊕ Frame Size: 41 mm
- ⊕ Bridge Size: 22 mm
- ⊕ Temple Size: 145 mm
- ⊕ Rx-able: Yes
- ⊕ Warranty: Limited 1 Year

Item	Diopter/Prism	Working Distance Approx.
1680-14	4.0 w/6.0D Δ in	250 mm
1680-15	5.0 w/7.0D Δ in	200 mm
1680-16	6.0 w/8.0D Δ in	165 mm
1680-18	8.0 w/10.0D Δ in	125 mm
1680-110	10.0 w/12.0D Δ in	100 mm



2906-0 2906-1 2906-2 2906-3



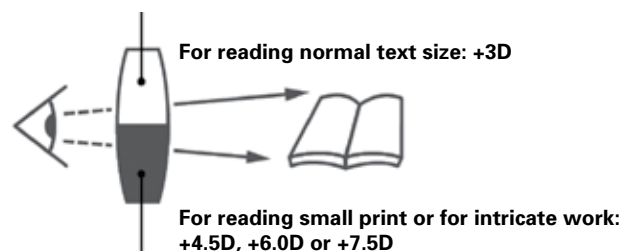
PRISMATIC

Miniframe BIFO

- Unique bifocals with two distinct segments
- Dual lens system (+3.00D on top and +4.50D, +6.00D, or +7.50D on bottom)
- Lightweight design for long-term use
- Molded one piece bridge with thin metal temples
- 4 Temple Colors: Gun Metal, Gold, Blue, and Red
- Protective leatherette case included

SPECIFICATIONS

- ⊕ Lens Type: Progressive
- ⊕ Lens Material: PXM® plastic
- ⊕ Lens Coating: Surface coating
- ⊕ Temple Design: Thin metal
- ⊕ Frame Size: 50 mm
- ⊕ Bridge Size: 24 mm
- ⊕ Temple Size: 130 mm
- ⊕ PD Range: 59-68 mm
- ⊕ Warranty: Limited 1 Year
- ⊕ Miscellaneous: 3-pc. Display available - see displays



Item	Color	Diopter	Item	Color	Diopter
2906-034	Gun Metal	3.00/4.50	2906-234	Blue	3.00/4.50
2906-036		3.00/6.00	2906-236		3.00/6.00
2906-037		3.00/7.50	2906-237		3.00/7.50
2906-136	Gold	3.00/6.00	2906-334	Red	3.00/4.50
2906-137		3.00/7.50	2906-336		3.00/6.00
			2906-337		3.00/7.50



B-3000

Economy Plus Prismatic Eyewear

- Prism Eyewear with higher levels of magnification
- Larger field allows patients to use their peripheral vision
- Lightweight and stylish bronze metal frame
- Adjustable nose pads and temples for greater comfort
- Can be worn as a half-eye or as full field spectacles
- Spring-hinge temple design can be cut to fit children's size
- Protective case included (Optional foam-lined carrying case available for the 4 piece diagnostic kit B-3001-Kit)

B-3001-Kit contains one each of the following powers: +4D, +6D, +8D and +10D.

SPECIFICATIONS

- ✦ Lens Type: Prismatic
- ✦ Lens Material: CR-39
- ✦ Lens Coating: Scratch-resistant coating
- ✦ Temple Design: Nickel alloy
- ✦ Frame Size: 42 mm
- ✦ Bridge Size: 18 mm
- ✦ Temple Size: 145 mm
- ✦ Warranty: Limited 1 Year

Item	Diopter/Prism
B-3000-4	4.0D w/+6.0D Δ in
B-3000-6	6.0D w/+8.0D Δ in
B-3000-8	8.0D w/+10.0D Δ in
B-3000-10	10.0D w/+12.0D Δ in
B-3000-12	12.0D w/+14.0D Δ in



DVC-1693



SPECIFICATIONS

- ✦ Lens Type: Single vision
- ✦ Lens Material: High index glass
- ✦ Lens Coating: A/R coating
- ✦ Temple Design: Nickel alloy
- ✦ Frame Size: 45 mm
- ✦ Bridge Size: 21 mm
- ✦ Temple Size: 150 mm
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year

Item	Magnification	Diopter	Eye
DVC-1693-08-OD	2x	8.0D	Right
DVC-1693-08-OS	2x	8.0D	Left
DVC-1693-12-OD	3x	12.0D	Right
DVC-1693-12-OS	3x	12.0D	Left
DVC-1693-16-OD	4x	16.0D	Right
DVC-1693-16-OS	4x	16.0D	Left
DVC-1693-20-OD	5x	20.0D	Right
DVC-1693-20-OS	5x	20.0D	Left
DVC-1693-24-OD	6x	24.0D	Right
DVC-1693-24-OS	6x	24.0D	Left
DVC-1693-28-OD	7x	28.0D	Right
DVC-1693-28-OS	7x	28.0D	Left
DVC-1693-32-OD	8x	32.0D	Right
DVC-1693-32-OS	8x	32.0D	Left

MICROSCOPES

Spectacle Microscope with ClearImage® II Lenses

- Spectacle magnifiers with Designs for Vision Inc.'s ClearImage II® Lenses (35 mm dia.)
- Ideal for extended viewing tasks requiring higher magnification, with hands-free usage
- Available in 7 powers from +8.0D to +32.0D
- Lightweight titanium nickel alloy frame with wire bridge
- Adjustable wire temples and soft saddle bridge nose pad
- Provides distortion-free viewing, edge to edge
- Anti-reflective coating in a patented doublet lens design
- Protective case included

Note: All ClearImage II® Spectacle magnifiers from Eschenbach are prescription correctable. Contact our Customer Service Department at (800) 487-5389 for details. For diagnostic purpose, OU versions can also be ordered. Please contact our Customer Service Department for more information.



1624-11

READY-TO-WEAR

MaxTV®

- Head mounted telescopic glasses for distance viewing
- Easy adjustment of diopter compensation: $\pm 3D$, right/left can be separately adjusted, cylinder correction not possible
- Temples can be adjusted without having to be warmed
- Main distance of use: 3 m (10 feet)
- Frosted objective lens housing eliminates reflections
- Supplied in hard foam zippered case

SPECIFICATIONS

- ✦ Magnification: 2.1x
- ✦ Lens Type: Galilean
- ✦ Lens Material: PXM® plastic
- ✦ Frame Size: 137 mm
- ✦ Bridge Size: Open saddle
- ✦ Temple Size: 135 mm
- ✦ Lens Size: 32 mm
- ✦ Focal Range: 10 feet to infinity
- ✦ Field of view: 20 degrees
- ✦ PD Range: 60 - 68 mm
- ✦ Weight: 1.7 oz
- ✦ Warranty: Limited 1 Year



1624-31

MaxEVENT

- Head mounted telescopic glasses for distance, ideal for outside events
- Tinted lenses filter out light below 390 nm, mirror coating eliminates sun glare
- Temples can be adjusted without having to be warmed
- Easy adjustment of diopter compensation: -2.25D to +3.75D, right/left can be separately adjusted, cylinder correction is not possible
- Frosted objective lens housing eliminates reflections
- Supplied in hard foam zippered case

SPECIFICATIONS

- ✦ Magnification: 2.1x
- ✦ Lens Type: Galilean
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: Mirrored coating
- ✦ Mount: Black frame
- ✦ Frame Size: 137 mm
- ✦ Bridge Size: Open saddle
- ✦ Temple Size: 135 mm
- ✦ Lens Size: 32 mm
- ✦ Focal Range: 10 feet to infinity
- ✦ Field of view: 20 degrees
- ✦ PD Range: 60 - 68 mm
- ✦ Weight: 1.7 oz
- ✦ Warranty: Limited 1 Year



1624-51

MaxDETAIL

- Head mounted telescopic glasses for near viewing, ideal for demanding detailed work
- Easy adjustment of diopter compensation: $\pm 3D$, right/left can be separately adjusted, cylinder correction not possible
- Easily adjustable temples (can be adjusted without warming)
- Working distance approx. 40 cm (16 inches)
- Supplied in hard foam zippered case

SPECIFICATIONS

- ✦ Magnification: 2x
- ✦ Lens Type: Galilean
- ✦ Lens Material: PXM® plastic
- ✦ Frame Size: 137 mm
- ✦ Bridge Size: Open saddle
- ✦ Temple Size: 135 mm
- ✦ Lens Size: 32 mm
- ✦ Field of view: 20 degrees
- ✦ PD Range: 60 - 68 mm
- ✦ Weight: 1.7 oz
- ✦ Warranty: Limited 1 Year



1624-21



Example of use on spectacles

MaxTV® Clip

- Galilean clip-on system for distance viewing - doubles the size of a television screen
- Clips onto existing prescription eyewear
- Lenses flip up when not needed
- Rubber grips on clamp allow for secure mounting
- Lens can be placed in 5 different height positions to achieve optimal line of sight
- Main distance of use: 3 m (approx. 10 ft.)
- Supplied in hard foam zippered case

SPECIFICATIONS

- ✦ Magnification: 2x
- ✦ Lens Type: Galilean
- ✦ Lens Material: PXM® plastic
- ✦ Field of view: 18 degrees
- ✦ PD Range: 60 - 68 mm
- ✦ Weight: 1 oz.
- ✦ Warranty: Limited 1 Year



1624-61



Example of use on spectacles flipped up

MaxDETAIL Clip

- Galilean clip-on system for near viewing, ideal for detailed work
- Clips onto existing prescription eyewear
- Lenses flip up when not needed
- Rubber grips on clamp allow for secure mounting
- Lens can be placed in 5 different height positions to achieve optimal line of sight
- Working distance of approx. 35 cm (14 inches)
- Supplied in hard foam zippered case

SPECIFICATIONS

- ✦ Magnification: 2x
- ✦ Lens Type: Galilean
- ✦ Lens Material: PXM® plastic
- ✦ Field of view: 13 degrees
- ✦ PD Range: 62-70 mm
- ✦ Weight: 0.8 oz.
- ✦ Warranty: Limited 1 Year



1634
1634-4

TeleMED

- Galilean system for distance viewing
- Consists of a positive objective lens and negative ocular lens
- Focusing/diopter compensation adjusted individually for each eyepiece
- Unique frame with adjustable pupillary distance
- Sturdy carrier frame made from glass fiber reinforced, black plastic
- Comfortable, easily adjustable saddle bridge and cold bend wire-core temples
- Supplied in black zippered case

Note: Ocular side Rx can be added. Order 1622-1 for pattern and mounting tape.



Adjustable pupillary distance

SPECIFICATIONS

- ✦ Lens Type: Galilean
- ✦ Lens Material: Glass
- ✦ Frame Material: Black plastic
- ✦ Frame Size: 155 mm
- ✦ Bridge Size: 21 mm, open saddle design
- ✦ Temple Size: 150 mm
- ✦ Lens Diameter: 23 mm
- ✦ PD Range: 54 - 74 mm
- ✦ Weight: 2.5 oz.
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year

Item	Magnification	Working Distance	Visual Field
1634	3.0x/Binocular	70 cm up to ∞	160m/1,000 m
1634-4	4.0x/Binocular	78 cm up to ∞	130m/1,000 m



1636-2
1636-3
1636-4

RidoMED

- Galilean system for extended near viewing tasks
- Consists of a positive objective lens and negative ocular lens
- Focusing/diopter compensation adjusted individually for each eyepiece
- Unique frame with adjustable pupillary distance
- Sturdy carrier frame made from glass fiber reinforced, black plastic
- Comfortable, easily adjustable saddle bridge and cold bend wire-core temples
- Supplied in black zippered case

Note: Ocular side Rx can be added. Order 1622-1 for pattern and mounting tape.

Item	Magnification	Working Distance*	Visual Field
1636-2	2.5x/Binocular	Approx. 350 mm	75/350 mm
1636-3	3.0x/Binocular	Approx. 200 mm	54/200 mm
1636-4	4.0x/Binocular	Approx. 250 mm	35/250 mm

*With convergence angles to suit the respective working distances.

SPECIFICATIONS

- ✦ Lens Type: Galilean
- ✦ Lens Material: Glass
- ✦ Frame Material: Black plastic
- ✦ Frame Size: 155 mm
- ✦ Bridge Size: 21 mm, open saddle design
- ✦ Temple Size: 150 mm
- ✦ Lens Diameter: 23 mm
- ✦ PD Range: 54 - 74 mm
- ✦ Weight: 2.5 oz
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year



Binocular
BE-525
BE-730



Mirage Telescope

- Binocular and Monocular telescopes for those patients who require high levels of magnification for extended distance viewing
- Unique adjustable frame and open saddle bridge
- Provides superior optics via anti-reflective coated lenses and high-resolution mirrors
- Each telescope can be focused individually from 6' to infinity
- Ideal for extended viewing tasks, such as watching television, movies, sporting events, bird watching or sightseeing
- Head strap included for comfortable, snug fit
- Protective carrying case and adjustment tool included

Item	Magnification	Telescope	Field of View
BE-525	5.5x	Binocular	11°
BE-730	7x	Binocular	9°

Item	Magnification	Telescope	Field of View
BE-525-OD	5.5x	Monocular Right	11°
BE-525-OS	5.5x	Monocular Left	11°
BE-731-OD	7x	Monocular Right	9°
BE-731-OS	7x	Monocular Left	9°



Monocular
BE-525-OD
BE-731-OD



Monocular
BE-525-OS
BE-731-OS

SPECIFICATIONS

- ✦ Lens Type: Galilean
- ✦ Lens Material: Glass
- ✦ Lens Coating: Anti-reflective coating
- ✦ Mount: Black plastic
- ✦ Temple Design: Adjustable frame reinforced with fiberglass for sturdiness
- ✦ Frame Size: 33 mm
- ✦ Bridge Size: 13 mm, comfortable saddle bridge
- ✦ Temple Size: 150 mm
- ✦ Lens Size: 30 mm
- ✦ Field of view: 9 degrees (7x), 11 degrees (5.5x)
- ✦ PD Range: 54-64 mm and 54-74 mm
- ✦ Weight: 3.5 oz. binocular, 2.5 oz. monocular
- ✦ Warranty: Limited 1 Year



1623

1623 + 1623-x
Use with reading capExample of use on
spectacles

MOUNTABLE

Wide-field Galilean

- Lightweight monocular telescope with wide field of view
- Designed to be mounted into a carrier frame for distance viewing tasks
- Can be installed using the 1625 mounting kit
- Ocular and objective lenses have a high-quality, anti-reflection hard coating
- The Galilean system is set at infinity; accommodates snap-on reading caps for near viewing tasks (see table)
- Reading cap lens can be flipped up when not needed
- The reading caps +3.0D/+4.0D/+5.0D are also suitable for binocular use when used with the corresponding convergence adapter

Accessories:

1623 Reading Caps

1623-01

1623-0 1623-3 1623-4

1623-5 1623-6 1623-8

1623-10 1623-12



1627-03 Mounting Adapter

- Threaded adapter accommodates the Eschenbach 1621, 1622-5, or 1623 monoculars and attaches to eyewear via an adhesive ring.

1630 Telescope Test Kit

- The contents of the fitting case will enable you to test most of the adjustments for close range and distance which this system allows.

Contents: (2) 1623 telescopes with trial frame adapters, (1) each of: 1623-0, 1623-3, 1623-4, 1623-5, 1623-6, 1623-8, 1623-10, 1623-12 reading caps, and 1625-10 fitting instructions.



1630

SPECIFICATIONS

- ✦ Lens Type: Diffractive/aspheric
- ✦ Lens Material: PXM® plastic
- ✦ Lens Coating: A/R coating, cera-tec® coating
- ✦ Mount: Gray plastic
- ✦ Lens Size: 22 mm
- ✦ Field of view: 22 degrees
- ✦ Weight: 18 grams (25 grams with reading cap)
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year
- ✦ Accessories: Reading caps (in powers of 3.0D to 12.0D) and finger ring (1671-1) available separately

TELESCOPE WITH READING CAPS

Item	Magnification	Working Distance
1623	2.0x	∞
1623 + 1623-3	1.5x	Approx. 330 mm
1623 + 1623-4	2.0x	250 mm
1623 + 1623-5	2.5x	200 mm
1623 + 1623-6	3.0x	167 mm
1623 + 1623-8	4.0x	120 mm
1623 + 1623-10	5.0x	100 mm
1623 + 1623-12	6.0x	83 mm

READING CAPS

Item	Reading cap
1623-01	Reading cap ring for fitting lens with an individual power (not shown).
1623-0	Frosted lens
1623-3	Reading cap 3.0D
1623-4	Reading cap 4.0D
1623-5	Reading cap 5.0D
1623-6	Reading cap 6.0D
1623-8	Reading cap 8.0D
1623-10	Reading cap 10.0D
1623-12	Reading cap 12.0D

* The figures stated for visual field are average values. They will vary depending on the distance from the eye to the eyepiece. Further information can be found on page 77.

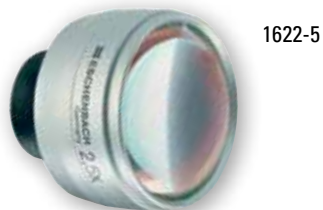


1621



Galilean 2.2x

- Afocal monocular telescope with compact size and excellent optical imaging quality
- Designed to be mounted into a carrier frame for distance viewing tasks
- Can be installed using the 1625 mounting kit
- The Galilean system is set at infinity; accommodates snap-on reading caps for near viewing tasks (see table)



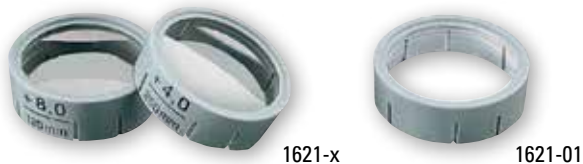
1622-5



Galilean 2.5x

- Afocal monocular telescope with compact size and excellent optical imaging quality
- Designed to be mounted into a carrier frame for distance viewing tasks
- Ocular and objective lenses have a high-quality, anti-reflection hard coating
- The Galilean system is set at infinity; accommodates snap-on reading caps for near viewing tasks (see table)

Accessories:



1621-x

1621-01

1621-x Reading caps for Galilean 2.2x and Galilean 2.5x an individual power

- Reading caps +3.0D/+4.0D/+5.0D are also suitable for binocular use (close-up).

1621-0 Frosted lens

1621-01 Reading cap ring for fitting lens with an individual power (2-included)

SPECIFICATIONS

- ✚ Lens Type: Achromatic
- ✚ Lens Material: Glass
- ✚ Lens Coating: Magnesium Fluoride coated
- ✚ Mount: Black Plastic
- ✚ Lens Size: 23 mm
- ✚ Focal Range: Infinity
- ✚ Field of view: 14 Degrees
- ✚ Weight: 16 grams (22 g with reading cap)
- ✚ Rx-able: Yes
- ✚ Warranty: Limited 1 Year
- ✚ Accessories: Reading caps (in powers of 3.0D to 16.0D) and finger ring (1671-1) available separately

Item	Reading Cap Power	Magnification	Working Distance
1621		2.2x	∞
1621 + 1621-3	3.0D	1.65x	330 mm
1621 + 1621-4	4.0D	2.2x	250 mm
1621 + 1621-5	5.0D	2.75x	200 mm
1621 + 1621-6	6.0D	3.3x	167 mm
1621 + 1621-8	8.0D	4.4x	125 mm
1621 + 1621-10	10.0D	5.5x	100 mm
1621 + 1621-12	12.0D	6.6x	83 mm
1621 + 1621-16	16.0D	8.8x	63 mm

SPECIFICATIONS

- ✚ Lens Type: Diffractive Aspheric/Achromatic
- ✚ Lens Material: PXM[®] hard-treated lenses
- ✚ Lens Coating: cera-tec[®] coating
- ✚ Mount: Silver plastic
- ✚ Lens Size: 23 mm
- ✚ Focal Range: Infinity
- ✚ Field of view: 13 degrees
- ✚ Weight: 11 grams
- ✚ Warranty: Limited 1 Year
- ✚ Rx-able: Ocular side Rx can be added. Order 1622-1 for Rx Carrier and mounting tape.
- ✚ Accessories: Reading caps (in powers of 3.0D to 16.0D) and finger ring (1671-1) available separately

Item	Reading Cap Power	Magnification	Working Distance
1622-5		2.5x	∞
1622-5 + 1621-3	3.0D	1.9x	330 mm
1622-5 + 1621-4	4.0D	2.5x	250 mm
1622-5 + 1621-5	5.0D	3.15x	200 mm
1622-5 + 1621-6	6.0D	3.75x	167 mm
1622-5 + 1621-8	8.0D	5.0x	125 mm
1622-5 + 1621-10	10.0D	6.25x	100 mm
1622-5 + 1621-12	12.0D	7.5x	83 mm
1622-5 + 1621-16	16.0D	10.0x	63 mm

* The figures stated for visual field are average values. They will vary depending on the distance from the eye to the eyepiece. Further information can be found on page 77.

The 1632 and 1632-1 testing kits are available for these systems. These can be found on page 40.



SPECIFICATIONS

- ✦ Lens Type: Achromatic
- ✦ Lens Material: Glass
- ✦ Lens Coating: Multi-Coating
- ✦ Mount: Brushed metal with rubber grip
- ✦ Focal Range: 20 cm+
- ✦ Field of view: 12.5 Degrees Dist. / 10 Degrees Near
- ✦ Rx-able: Ocular-side Rx can be added. Order 1622-1 for Rx carrier and mounting tape.
- ✦ Warranty: Limited 1 Year
- ✦ Accessories: Reading caps (in powers of 3.0D to 16.0D) and finger ring (1671-1) available separately
- ✦ Miscellaneous: Mountable into the UniADAPT Carrier Frame (1631) using lock washer rings (1671-5), or mountable into eyewear using the Telescope Mounting Kit (1625)



1673-02



1673-03

FOCUSABLE

Focusable Keplerian

- Keplerian telescopes with focusable lens
- Can be used as a hand-held monocular in combination with finger ring (1671-1) or spectacle mounted telescope
- High level of light transmission and image brightness
- Small, lightweight and inconspicuous
- High quality, dust-proof metal housing
- Short near point
- With an intermediate adapter can be used with reading caps 1621-x (see page 38)
- Roof prism system with multi-coating
- Carrying cord and zippered case included
- Compatible with adapter system 1625 (see page 41)

Item	Magnification Distance/Near	Visual Field Distance/Near	Field of View Distance/Near
1673-1 2.8 x 9	2.8x/3.4x	220 m/1,000 m 26 mm/150 mm	12.5°/10°
1673-2 4.2 x 10	4.2x/5.5x	175 m/1,000 m 25 mm/200 mm	10°/7.2°
1673-3 4.2 x 12	4.2x/5.0x	220 m/1,000 m 32 mm/200 mm	12.5°/9.2°
1673-4 6.0 x 16	6.0x/7.6x	175 m/1,000 m 26 mm/250 mm	10°/6°

Accessories:

1673-02 Reading Cap Adapter

- With this intermediate adapter ring, the monoculars 1673-1 and 1673-2 can be used with the 1621 reading caps (see page 38)

1673-03 Reading Cap Adapter

- With this intermediate adapter ring, the monoculars 1673-3 and 1673-4 can be used with the 1621 reading caps (see page 38)



1671-1 Finger Ring

- The finger ring ensures inconspicuous use and provides stability when used as a hand-held monocular

Further technical information can be found on page 77.

KITS

Galilean and Keplerian Testing Kit

- Contents of the fitting case will enable you to carry out adjustments for distance and near vision with the Galilean and Keplerian systems
- Kit comes complete with trial frame adapters for easy testing

Contents:

1619	Trial frame adapters (two)	1621-16	Reading Cap 16.0D
1621	Galilean 2.2x (2 pieces)	1625-10	Fitting instructions
1622-5	Galilean 2.5x	1673-1	Keplerian monocular 2.8 x 9
1621-0	Frosted lens	1673-2	Keplerian monocular 4.2 x 10
1621-3	Reading Cap 3.0D	1673-3	Keplerian monocular 4.2 x 12
1621-4	Reading Cap 4.0D	1673-4	Keplerian monocular 6.0 x 16
1621-5	Reading Cap 5.0D	1671-1	Finger ring
1621-6	Reading Cap 6.0D	1673-02	Adapter for reading caps for 1673-1 and 1673-2
1621-8	Reading Cap 8.0D	1673-03	Adapter for reading caps for 1673-3 and 1673-4
1621-10	Reading Cap 10.0D		
1621-12	Reading Cap 12.0D		



1632



1632-1

Galilean Testing Kit

- Contents of the fitting case will enable you to carry out adjustments for distance and near vision with the Galilean systems
- Kit comes complete with trial frame adapters attached to the Galilean telescopes for easy testing

Contents:

1619	Trial frame adapters (3 assembled)
1621	Galilean 2.2x (2 pieces)
1622-5	Galilean 2.5x
1621-0	Frosted lens
1621-3	Reading Cap 3.0D
1621-4	Reading Cap 4.0D
1621-5	Reading Cap 5.0D
1621-6	Reading Cap 6.0D
1621-8	Reading Cap 8.0D
1621-10	Reading Cap 10.0D
1621-12	Reading Cap 12.0D
1621-16	Reading Cap 16.0D
1625-10	Fitting instructions



1625



Mounting Kit

- Enables all Eschenbach Optik telescopic systems, both Galilean and Keplerian, to be mounted into any special frame
- Provides carrier lenses made from CR-39, with the corresponding convergence adapters for working distances of 200 mm, 250 mm, 330 mm and an adapter for distance tasks
- The convergence adapters allow binocular use in the distance range, as well as in a variety of close-up ranges
- The mounting kit is suitable for monocular and binocular use in both the distance and close-up ranges
- If an adjustment error occurs (incorrectly determined visual center) minimal expense is incurred as only the carrier disks need to be reground

Contents:

Quantity / Item

- 1 Fitting brochure
- 6 Carrier disks
- 2 Centering inserts for grinding the carrier disks
- 2 Adapters for infinite distance use
- 2 Convergence adapters for 200 mm (binocular)
- 2 Convergence adapters for 250 mm (binocular)
- 2 Convergence adapters for 330 mm (binocular)

Small mounting components:

- 6 x Spacer washers (0.5 mm, 1.0 mm, 2.0 mm)
- 6 Lock rings for securing the monoculars
- 2 Holding rings with adhesive ring for the use of correction lenses
- 1 Lens former for correction lens
- 1 Socket
- 2 Adapters for trial frame

Order No. for Reordering:

Item	Quantity	Description
1619	2	Adapters for the trial frames
1622	2	Holding rings for the use of correction lenses
1622-1	1	Lens former for correction lens
	4	Replacement adhesive rings
1625-101	1	Fitting brochure
1626-1	2	Carrier lenses
	2	Adapters for infinite distance use
	2	Centering inserts
1626-2	2	Carrier lenses
	2	Convergence adapters
	2	Centering inserts, 200 mm
1626-3	2	Carrier lenses
	2	Convergence adapters
	2	Centering inserts, 250 mm
1626-4	2	Carrier lenses
	2	Convergence adapters
	2	Centering inserts, 330 mm
1626-5	6	Carrier lenses
1626-6	6	Adapters for infinite distance use

1627 Small mounting components, consisting of:

6 each of:	Spacer washes (0.5 mm, 1.0 mm, 2.0 mm)
6	Lock rings
2	Holding rings with adhesive ring for correction lens
1628	1 Mounting tool: socket
1671-5	6 Lock rings



KS-T320



KS-T412



KS-T616



KS-T821



SPOTTING

Magno Monoculars

- Keplerian telescopes with focusable lens
- Can be used as a hand-held monocular in combination with finger ring (1671-1) or spectacle mounted telescope
- Small, lightweight and inconspicuous
- High quality, dust-proof metal housing with rubber grip
- Power and objective lens size printed on the barrel
- Protective lens caps included on the 4.0x, 6.0x and 8.0x
- Built-in eyelet for 8" lanyard included
- Storage case with belt loop and cleaning cloth included

SPECIFICATIONS

- ✚ Lens Type: Keplerian
- ✚ Lens Material: Achromatic glass
- ✚ Lens Coating: Multi-Coating
- ✚ Mount: Brushed metal with rubber grip
- ✚ Rx-able: Ocular-side Rx can be added. Order 1622-1 for Rx carrier and mounting tape.
- ✚ Warranty: Limited 1 Year
- ✚ Accessories: Finger ring (1671-1) available separately
- ✚ Miscellaneous: Mountable into the UniADAPT Carrier Frame (1631) using lock washer rings (1671-5), or into eyewear using the Telescope Mounting Kit (1625)

Item	Magnification	Field of View	Visual Angle
KS-T320	3 x 20	145 m/1,000 m	8°
KS-T412	4 x 12	160 m/1,000 m	9°
KS-T616	6 x 16	145 m/1,000 m	8°
KS-T821	8 x 21	100 m/1,000 m	6°

VarioPLUS

- Hand-held prism monocular that can be used as a stand microscope
- Keplerian roof prism system, multi-coated
- High level of light transmission and image brightness
- Dustproof, light metal housing
- 3x Stand magnifier included
- Magnification with mounted stand magnifier: 24x
- Supplied with carrying cord and case with belt loop



1674-820

1674-832

Included Stand Magnifier

SPECIFICATIONS

- ✚ Lens Type: Keplerian
- ✚ Lens Material: Achromatic glass
- ✚ Lens Coating: Multi-Coating
- ✚ Mount: Light-metal
- ✚ Warranty: Limited 1 Year

Item	Magnification	Field of View	Visual Angle	Working Distance
1674-820	8 x 20	125 m/1,000 m	7°	300 mm to ∞
1674-832	8 x 32	140 m/1,000 m	8°	700 mm to ∞

Club® M

- Unique rectangular design provides panoramic view
- One-handed, easy to operate slide focus
- Keplerian roof prism system with multi-coated lens
- High level of light transmission and image brightness
- Rubberized housing with comfortable grip
- Black leather case and lanyard included



4293-616
4293-816

Item	Magnification	Visual Field	Field of View	Working Distance
4293-616	6 x 16	140 x 108 m/ 1,000 m	8° x 6.2°	1,000 mm to ∞
4293-816	8 x 16	122 x 94 m/ 1,000 m	7° x 5.4°	1,000 mm to ∞

SPECIFICATIONS

- ✚ Lens Type: Achromatic
- ✚ Lens Material: Glass
- ✚ Mount: Rubberized housing
- ✚ Warranty: Limited 5 Year

Start® Monofold

- Small, foldable monocular with BK-7 porro prisms
- Measures 70 mm x 45 mm x 20 mm when folded flat
- Excellent image quality and full magenta coating
- Impact resistant plastic housing
- Carrying case with belt loop included



4292-8212

Item	Magnification	Visual Field	Field of View	Working Distance
4292-8212	8 x 21	113 m/1,000 m	6.5°	1,500 mm to ∞

SPECIFICATIONS

- ✚ Lens Type: Achromatic
- ✚ Lens Material: Glass
- ✚ Mount: Shock-proof plastic housing
- ✚ Warranty: Limited 5 Year

Microlux

- Compact design with pop-up lens
- Small, lightweight and inconspicuous
- The lens unit is stored safely in its built-in plastic housing and by squeezing the device, the lens will pop up into the viewing position; squeeze again and the lens will retract back inside
- Keplerian roof prism system with blue multi-coated lenses
- Rubber grip for comfortable, single-handed use
- Carrying wrist cord and protective case included



4294-413

4294-618

Item	Magnification	Field of View	Focus	Working Distance
4294-413	4 x 13	13°	Fixed focus	4,000 mm to ∞
4294-618	6 x 18	8°	Slide focus	2,000 mm to ∞

SPECIFICATIONS

- ✚ Lens Type: Achromatic
- ✚ Lens Material: Glass
- ✚ Mount: Silver plastic housing with rubber grip
- ✚ Warranty: Limited 5 Year

Further technical information on the individual monoculars can be found on page 77.



1631



1631 + 1673

UNIVERSAL CARRIER SYSTEM

UniADAPT Carrier Frame

- Carrier system designed to allow for Keplerian telescopes to be easily mounted for hands-free use
- Saddle bridge can be adjusted, both height and width
- Easily adjustable pupillary distance of 54 to 74 mm
- Wire core, cold bend temples
- Supplied with 2 fixed monocular mounts, rubber occluder cap, attachable rubber temple ends and zippered case
- The monocular mounts are set at infinity in relation to each other
- Occluder, headstrap and leather case included

SPECIFICATIONS

- ✦ Mount: Black, fiberglass reinforced plastic
- ✦ Frame Size: 21 mm
- ✦ Bridge Size: 20 mm, open saddle
- ✦ Temple Size: 150 mm
- ✦ PD Range: 54 - 74 mm
- ✦ Weight: 35 g
- ✦ Warranty: Limited 1 Year



1693-4916
1693-5116
1693-5218

SPECIFICATIONS

- ✦ Mount: Silver
- ✦ Bridge Size: 16/18 mm with open saddle design
- ✦ Temple Size: 150 mm
- ✦ PD Range: 54 - 74 mm
- ✦ Weight: 11 g
- ✦ Rx-able: Yes
- ✦ Warranty: Limited 1 Year

Carrier Frame

- Titanium frame designed for mounting monocular telescopes
- Demo lenses with grid for simple centering of the lenses
- 3 frame sizes available
- Soft, adjustable, silicon saddle bridge
- Spring-hinged, rubberized temple ends
- Temples can be shortened

Item	Frame Size	Bridge Size	Temple Size
1693-4916	49 mm	16 mm	150 mm
1693-5116	51 mm	16 mm	150 mm
1693-5218	52 mm	18 mm	150 mm

BINOCULARS

Vision

- Close focus binoculars that are less conspicuous
- Single handed use with adjustable focus wheel
- Compact, lightweight design
- High quality BK-7 Prisms for a true color image
- Built-in eyelets for around-the-neck lanyard included
- Protective case with belt loop included

SPECIFICATIONS

- ✦ Lens Coating: Multi-layer
- ✦ Lens Size: 18 mm
- ✦ Weight: 5.6 oz
- ✦ Warranty: Limited 5 Year



4248-418

Item	Magnification	Field of View	Visual Field	Working Distance
4248-418	4.0x	9.8°	172 m / 1000 m	20 in. to ∞
4248-618	6.0x	9.1°	161 m / 1000 m	20 in. to ∞

Vektor

- Single handed use binocular with adjustable focus wheel
- Compact, lightweight design
- High quality BaK-4 Prisms for a true color image
- Built-in eyelets for around-the-neck lanyard included
- Protective case with belt loop and lens caps included



4229-1

SPECIFICATIONS

- ✦ Lens Coating: Multi-layer
- ✦ Lens Size: 21 mm
- ✦ Weight: 6.4 oz
- ✦ Warranty: Limited 5 Year

Item	Magnification	Near Point	Visual Field
4229-1	5.0x - 15.0x	2.5 m	105-52 m / 1000 m



1663-1
1663-2

1663-5



1666-5617



1663-4



1663-9



1666-5916

WellnessPROTECT®

- Improves light sensitivity and minimizes glare by blocking short-wave, high energy light components in the blue part of the spectrum
- Lenses have an additional cut-off filter and absorb short-wave, high energy components of visible blue light
- Available in 5 standard tint colors: WP15 Light Amber, WP50/15 Gradient Amber, WP65 Dark Amber, WP75P Darker Amber Polarized, and WP85 Darkest Amber
- Can be prescription corrected and ordered in any tint color of choice through Eschenbach's Custom Solutions Program (side shields can be tinted to match)
- 7 Frame styles available, designed to fit over spectacles
- All frames include top and side protection
- Widely set temples with transparent side shields
- Side ventilation slot between temple and middle section prevents fogging of the lenses
- 100% UV protection and up to 99% blue light absorption
- Improves color recognition and improves sensitivity to glare
- Protective hard foam zippered case included

Item	Tint Color	Item	Tint Color
1663-115	15% Light Amber	1663-475P	75% Polarized Amber
1663-15015	50/15% Gradient Amber	1663-485	85% Dark Amber
1663-165	65% Med Amber	1663-515	15% Light Amber
1663-175P	75% Polarized Amber	1663-55015	50/15% Gradient Amber
1663-185	85% Dark Amber	1663-565	65% Med Amber
1663-215	15% Light Amber	1663-575P	75% Polarized Amber
1663-25015	50/15% Gradient Amber	1663-585	85% Dark Amber
1663-265	65% Med Amber	1663-915	15% Light Amber
1663-275P	75% Polarized Amber	1663-95015	50/15% Gradient Amber
1663-285	85% Dark Amber	1663-965	65% Med Amber
1663-415	15% Light Amber	1663-975P	75% Polarized Amber
1663-45015	50/15% Gradient Amber	1663-985	85% Dark Amber
1663-465	65% Med Amber		

SPECIFICATIONS

- ⊕ Lens Type: Blue light blocking (470nm and less)
- ⊕ Lens Material: CR-39
- ⊕ Frame Material: TR 90/Stainless Steel (1666 frames only)
- ⊕ Rx-able: Yes
- ⊕ Tint Color: Amber (15%, 65%, 85%, 50/15%, 75%)
- ⊕ Warranty: Limited 1 Year

FRAMES

Item	Frame Size	Bridge Size	Temple Size	Description
1663-1	54 mm	16 mm	135 mm	Small, Brown Havana
1663-2	57 mm	16 mm	135 mm	Large, Brown Havana
1663-4	56 mm	15 mm	130 mm	Small, Black, Adjustable nose pads
1663-5	58 mm	16 mm	130 mm	Large, Black, Adjustable nose pads
1663-9	65 mm	12 mm	145 mm	XLarge, Black/Brown
1666-5617*	56 mm	17 mm	140 mm	Small, Bronze, Adjustable nose pads
1666-5916*	59 mm	16 mm	140 mm	Large, Gun Metal, Adjustable nose pads

*Stainless Steel Sport Frames supplied with plano lenses only. Can be prescription corrected in any of the 5 standard lens tints.





WellnessPROTECT® Standard Tint Colors

	WP15	WP65	WP85	WP50-15	WP75P
Light Transmittance	Approx. 51%	Approx. 29%	Approx. 15%	Approx. 47%	Approx. 25%
Light Blocked	450 nm	450 nm	450 nm	450 nm	400 nm

WellnessPROTECT® Testers

- Includes set of 5 tinted lenses in lens holders
- 5 standard tint colors: WP15 Light Amber, WP50/15 Gradient Amber, WP65 Dark Amber, WP75P Darker Amber Polarized, and WP85 Darkest Amber
- Place each tint option over the current lenses or in front of a patient's eyes so they can see the difference between all of the tint options to make the best selection
- Lens tint holders are marked with each lens tint color
- Each tester sits in a sturdy frame with a handle at the end so it can be easily held to look through
- Storage bag included for each lens tester



SPECIFICATIONS

- ⊕ Tint Color: Amber (15%, 65%, 85%, 50%-15%, 75%)
- ⊕ Dimensions: 5.77 in. W x 2 in. H
- ⊕ Warranty: Limited 1 Year



Orange Amber Yellow Plum Gray



Solar Shield®

- Contrast-enhancing filters that provide 40% more protection from the sun than ordinary sunglasses due to the protective top and side shield design
- 5 lens tints: Orange, Amber, Yellow, Plum and Gray Polarized
- Gray polarized and plum lenses decrease overall light transmission and reduce glare the most. Yellow, Orange, and Amber lenses decrease blue light transmission and enhance contrast the most.
- Blocks 100% of UVA/UVB light
- 3 frame sizes: Small, Medium, and Large
- Tortoise color frames with top and side shield protection
- Bend-to-fit temples provide a comfortable, custom fit
- Microfiber pouch included

SPECIFICATIONS

- ✚ Lens Material: Polycarbonate/Acetate (gray lens only)
- ✚ Frame Style: Fits over
- ✚ Mount: Plastic
- ✚ Temple Design: Bend-to-fit
- ✚ Warranty: Limited 1 Year
- ✚ Miscellaneous: Displays available - see display section

Item	Size	Tint Color	Frame (A x B Measurement)	Fits-over Rx Frames
TAE-24354	Large	Orange	51 x 64 mm	137 x 52 mm
TAE-24353	Large	Amber	51 x 64 mm	137 x 52 mm
TAE-24357	Large	Yellow	51 x 64 mm	137 x 52 mm
TAE-2435P	Large	Plum	51 x 64 mm	137 x 52 mm
TAE-24150	Large	Gray P	51 x 64 mm	137 x 52 mm
TAE-27104	Medium	Orange	59 x 46 mm	129 x 42 mm
TAE-27102	Medium	Amber	59 x 46 mm	129 x 42 mm
TAE-27103	Medium	Yellow	59 x 46 mm	129 x 42 mm
TAE-2735P	Medium	Plum	59 x 46 mm	129 x 42 mm
TAE-27101	Medium	Gray P	59 x 46 mm	129 x 42 mm
TAE-25354	Small	Orange	62 x 43 mm	133 x 43 mm
TAE-25353	Small	Amber	62 x 43 mm	133 x 43 mm
TAE-25357	Small	Yellow	62 x 43 mm	133 x 43 mm
TAE-2535P	Small	Plum	62 x 43 mm	133 x 43 mm
TAE-25150	Small	Gray P	62 x 43 mm	133 x 43 mm

Tint Color	Light Blocked	Light Transmittance
Orange	521 nm	32%
Amber	511 nm	10%
Yellow	450 nm	72%
Plum	400 nm	14%
Gray Polarized	400 nm	15%





SolarComfort®

- Contrast-enhancing filters with a wrap-around style
- 5 lens tints to choose from: Orange, Amber, Yellow, Plum and Gray Polarized
- Gray polarized and plum lenses decrease overall light transmission and reduce glare the most. Yellow, orange, and amber lenses decrease blue light transmission and enhance contrast the most.
- Blocks 100% of UVA/UVB light
- 1 frame size: 131 mm
- Bend-to-fit temples provide a comfortable, custom fit
- Tortoise color frame with black rubber nose pads
- Microfiber pouch included

SPECIFICATIONS

- ⊕ Lens Material: Polycarbonate/Acetate (gray lens only)
- ⊕ Frame Style: Wrap-around
- ⊕ Mount: Nylon
- ⊕ Temple Design: Bend-to-fit
- ⊕ Warranty: Limited 1 Year

Item	Tint Color	Light Blocked	Light Transmittance
TAE-6V55C52T	Orange	521 nm	32%
TAE-6V55C8T	Amber	511 nm	10%
TAE-6V55C5YT	Yellow	450 nm	72%
TAE-6V55C5PT	Plum	400 nm	14%
TAE-6V555ST	Gray Polarized	400 nm	15%



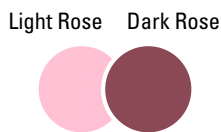
Haven® Meridian



Haven® Summerwood



SolarComfort®



FL-41 Rose Filters

- Contrast-enhancing filters with rose tinted lenses designed to help those with light sensitivity due to migraines, traumatic brain injury and other eye conditions
- 2 lens tints to choose from: Light Rose (50% light transmission), Dark Rose (25% light transmission)
- Blocks 100% of UVA/UVB light
- 3 frame styles: Haven® Meridian (Fits-over), Haven® Summerwood (Fits-over), SolarComfort® (Wrap-around)
- Bend-to-fit temples provide a comfortable, custom fit
- 2 black color Haven® frames, 1 SolarComfort® tortoise color frame with black rubber nose pads
- Microfiber pouch included

SPECIFICATIONS

- ⊕ Lens Material: Polycarbonate
- ⊕ Frame Style: Wrap-around or Fits-over
- ⊕ Mount: Nylon
- ⊕ Temple Design: Bend-to-fit
- ⊕ Warranty: Limited 1 Year
- ⊕ Miscellaneous: Displays available - see display section

Item	Style	Frame Color	Tint Color	Fits-over (A x B Measurement)
TAE-10601512	Haven® Meridian	Black	Light Rose	132 x 41 mm
TAE-10601513	Haven® Meridian	Black	Dark Rose	132 x 41 mm
TAE-10601514	Haven® Summerwood	Black	Light Rose	138 x 50 mm
TAE-10601515	Haven® Summerwood	Black	Dark Rose	138 x 50 mm
TAE-10250364	SolarComfort®	Tortoise	Light Rose	-
TAE-10250365	SolarComfort®	Tortoise	Dark Rose	-

Fits-over

Meridian



Summerwood



Banyan

Wrap around

Tolosa



Malloy



Hunter

Gray Amber Yellow



Haven® Sunwear

- Absorptive filters with polarized lenses
- 3 lens tints to choose from: Gray, Amber and Yellow
- Gray and yellow lenses are offered in a black frame while amber is offered in a tortoise frame only
- Hard coating prevents scratching and oleophobic coating repels water, oil and smudges
- 6 frame sizes: Small, Medium, Medium/Large, Large and Extra-Large (3 feature fits-over style, 3 feature panoramic style)
- Lenses decrease blue light transmission and enhance contrast
- Blocks 100% of UVA/UVB light
- Lightweight nylon frames with adjustable 'bend-to-fit' temples
- Microfiber pouch included

SPECIFICATIONS

- ✦ Lens Material: Polycarbonate
- ✦ Lens Coating: Oleophobic coating
- ✦ Temple Design: Bend to fit
- ✦ Frame Style: Fits-over/ Wrap around
- ✦ Warranty: Limited 1 Year
- ✦ Miscellaneous: Displays available - see display section

Fits-over

Item	Style/Size	Frame Color	Tint	Fits-over (A x B Measurement)
TAE-3H5600S	Meridian (M)	Black	Gray	132 x 41 mm
TAE-3H5653ST	Meridian (M)	Tortoise	Amber	132 x 41 mm
TAE-3H4600S	Summerwood (L)	Black	Gray	138 x 50 mm
TAE-3H4653ST	Summerwood (L)	Tortoise	Amber	138 x 50 mm
TAE-3H4607S	Summerwood (L)	Black	Yellow	138 x 50 mm
TAE-3H3600S	Banyan (XL)	Black	Gray	141 x 52 mm
TAE-3H36543ST	Banyan (XL)	Tortoise	Amber	141 x 52 mm
TAE-3H3607S	Banyan (XL)	Black	Yellow	141 x 52 mm

Wrap around

Item	Style	Frame Color	Tint	Fits-over (A x B Measurement)
TAE-3HRT600S	Tolosa (M)	Black	Gray	128 x 34 mm
TAE-3HRT607S	Tolosa (M)	Black	Yellow	128 x 34 mm
TAE-3HRM600S	Malloy (M/L)	Black	Gray	132 x 39 mm
TAE-3HRM653ST	Malloy (M/L)	Tortoise	Amber	132 x 39 mm
TAE-3HRM607S	Malloy (M/L)	Black	Yellow	132 x 39 mm
TAE-3HRH600S	Hunter (L)	Black	Gray	134 x 37 mm
TAE-3HRH653ST	Hunter (L)	Tortoise	Amber	134 x 37 mm
TAE-3H3607A	Hunter (L)	Black	Yellow	134 x 37 mm

TAE-3H5653ST Meridian
(Amber tint available in Tortoise frames only)

Tint Color	Light Blocked	Light Transmittance
Gray	400 nm	15%
Amber	400 nm	15%
Yellow	450 nm	26%



TAE-3H10600655



TAE-3H10600656



TAE-3H10600654

Haven® Night Drivers

- Fit-over tinted glasses designed specifically to reduce headlight glare when driving at night
- 1 lens tint color: Yellow (400 nm cut-off)
- Yellow lenses block bothersome blue light from car headlights while allowing the driver to distinguish between traffic light colors
- Non-Polarized for digital display legibility (i.e., dashboard, GPS)
- Blocks 100% of UVA/UVB light
- Hard coating prevents scratching and oleophobic coating repels water, oil and smudges
- 3 frame sizes: Medium, Medium/Large and Large
- Lightweight nylon frames feature adjustable 'bend-to-fit' temples
- Microfiber pouch included

SPECIFICATIONS

- ⊕ Lens Material: Acetate
- ⊕ Lens Coating: A/R, oleophobic, & anti-scratch coatings
- ⊕ Mount: Plastic
- ⊕ Temple Design: Bend-to-fit
- ⊕ Tint Color: Light Yellow
- ⊕ Warranty: Limited 1 Year
- ⊕ Miscellaneous: Displays available - see display section

Item	Size	Frame	Fits-over (A x B Measurement)
TAE-3H10600655	Medium	Classic Mod Rectangular	127 x 38 mm
TAE-3H10600656	Medium/Large	Classic Wide Rectangular	133 x 38 mm
TAE-3H10600654	Large	Classic Square	136 x 47 mm



H-451160247-L



H-451140247-XL



Circuit FLEX Sunglasses

- Wrap-around style sunglasses designed for making prescription-corrected filters for patients with higher refractive errors
- Frames provide 8-base protection, but with the removable 6-base adapter in place, lenses can be made to accommodate stronger refractive errors
- 1 lens tint color; Gray (400nm cut-off, 15% light transmission)
- Blocks 100% of UVA/UVB light
- 2 frame sizes: Large and Extra-Large
- Flexible nylon frames feature adjustable 'bend-to-fit' temples and full coverage protection
- Rubberized nose and ear pieces provide a comfortable fit
- Zippered case and lanyard included

SPECIFICATIONS

- ⊕ Lens Material: Polycarbonate
- ⊕ Temple Design: Adjustable temples
- ⊕ Rx-able: Yes
- ⊕ Tint Color: Gray
- ⊕ Warranty: Limited 1 Year

Item	Frame Size	Bridge Size	Temple Size	Description
H-451160247-L	55 mm	22 mm	118 mm	Large, Shiny Black
H-451140247-XL	60 mm	23 mm	118 mm	Extra-Large, Matte Black

DESKTOP

Vario DIGITAL FHD

- Folding desktop video magnifier with outstanding image quality and 15.6 in. display
- Easy-to-use buttons and turn dials with voice output in menu
- Individually adjustable LEDs for shadow free illumination
- Frame rate of 60 fps provides true color image
- Full high definition (FHD) built-in camera with autofocus
- Images can be captured and stored on a removable SD card
- Dynamic Line Scrolling feature enables vertical and horizontal scrolling of a captured area without moving the object being viewed
- Large field of view with optical/digital zoom up to 45x
- Foldable design and handle for portability
- Built-in Type C USB port for data transfer
- Supports SD, SDHC (max. 32 GB)
- Dimensions: 14.9 in. W x 18.1 in. D x 22 in. H (5.2 in. high when folded down)



1659-1

SPECIFICATIONS

- ✦ Magnification: 1.3-45x
- ✦ Illumination: LED
- ✦ Power Source: AC
- ✦ Weight: 13.9 lbs.
- ✦ Display Size: 15.6 in., 16:9 widescreen format
- ✦ Viewing Modes: True color as well as 14 false colors
- ✦ Image Resolution: 1920x1080 pixels
- ✦ Contrast Ratio: 1000 : 1
- ✦ Warranty: Limited 2 Year
- ✦ Miscellaneous: Display Table available (1659-T)

Accessories:

1659-T Video Magnifier Table

- 37.4 in. wide table to display a video magnifier in office for demonstration purposes
- Adjustable working height from 29 in. to 40.8 in.
- Front wheels for easy maneuvering, can be locked



1659-T

Vario DIGITAL FHD Advanced

- Folding desktop video magnifier with outstanding image quality and 15.6 in. display
- External remote controls multiple screen functions
- Easy-to-use buttons and turn dials with voice output in menu
- Individually adjustable LEDs for shadow free illumination
- Frame rate of 60 fps provides true color image
- Full high definition (FHD) built-in camera with autofocus
- Images can be captured and stored on a removable SD card
- Dynamic Line Scrolling feature enables vertical and horizontal scrolling of a live reading area without moving the object being viewed
- Mirror mode activates when camera is turned towards the user for personal care tasks
- Blue light blocking setting reduces digital eye strain
- Large field of view with optical/digital zoom up to 45x
- Foldable design and handle for portability
- Built-in Type C USB port for data transfer
- HDMI-in port allows an external camcorder to be attached for distance viewing
- Supports SD, SDHC (max. 32 GB)
- Dimensions: 14.9 in. W x 18.1 in. D x 22 in. H (5.2 in. high when folded down)

Accessories:

1659-109 Vario Digital Case

- Black nylon zippered case with handle and shoulder strap
- Fits any of the Vario Digital FHD models
- Dimensions: 21.5 in. x 21.5 in. x 7.5 in. (WxHxD)



SOHDCRX405 Sony Camcorder

- Allows for distance viewing
- Full HD video
- 30x optical zoom



1659-16

SPECIFICATIONS

- ✦ Magnification: 1.3-45x
- ✦ Illumination: LED
- ✦ Power Source: AC
- ✦ Weight: 13.9 lbs.
- ✦ Display Size: 15.6 in., 16:9 widescreen format
- ✦ Viewing Modes: True color as well as 14 false colors
- ✦ Image Resolution: 1920x1080 pixels
- ✦ Contrast Ratio: 1000 : 1
- ✦ Warranty: Limited 2 Year
- ✦ Miscellaneous: Display Table (1659-T), distance viewing accessories, and other Advanced models available



Vario DIGITAL FHD Advanced - Additional Models

- Additional Advanced models with a battery and/or X/Y table available
- Battery and X/Y table can not be added after order is placed and are not available separately

1659-161 Vario Digital FHD Advanced with X/Y Table and Battery

- Features both an integrated X/Y table and rechargeable battery built-into the unit
- X/Y table provides an adjustable base that slides reading material horizontally and vertically underneath the camera
- Integrated rechargeable battery allows the video magnifier to be more versatile as the unit does not need to be plugged in to operate
- Dimensions with X/Y Table: 17 in. W x 19.7 in. D x 23 in. H (6.3 in. high when folded down)
- Operating Time: 4.5 hrs. (Charge time: 3.5 hrs.)
- Weight: 19.8 lbs. with X/Y Table and Battery

1659-162 Vario Digital FHD Advanced with Battery

- Features an integrated rechargeable battery so the unit does not need to be plugged in to operate
- Operating Time: 4.5 hrs. (Charge time: 3.5 hrs.)
- Weight: 14.6 lbs. with battery

1659-163 Vario Digital FHD Advanced with X/Y Table

- Features an integrated X/Y table in place of the standard base plate
- Provides an adjustable table that easily slides reading material horizontally and vertically underneath the camera
- X/Y table includes horizontal and vertical brakes
- Dimensions with X/Y Table: 17 in. W x 19.7 in. D x 23 in. H (6.3 in. high when folded down)
- Weight: 19.2 lbs. with X/Y table

1659-161 & 1659-163
Adjustable X/Y Table



SPECIFICATIONS

- ✦ Magnification: 1.3-45x
- ✦ Illumination: LED
- ✦ Power Source: AC (1659-163) or Battery (1659-161, 1659-162)
- ✦ Weight: Varies by model
- ✦ Display Size: 15.6 in., 16:9 widescreen format
- ✦ Viewing Modes: True color as well as 14 false colors
- ✦ Image Resolution: 1920x1080 pixels
- ✦ Contrast Ratio: 1000 : 1
- ✦ Warranty: Limited 2 Year
- ✦ Miscellaneous: Display Table available (1659-T), Distance viewing accessories available



1655-1

PORTABLE

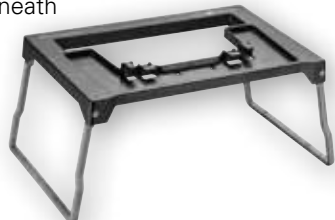
Visolux Digital XL FHD

- Advanced portable video magnifier with extra-large 12 in. TFT LCD and touch screen technology
- Color coded buttons for contrast, photo capture and zoom
- Easy-to-use menu with button located at the top of the unit
- Speech output on all menu items selected
- Fold-out stand for comfortable viewing angle, allows for writing underneath
- 3 brightness settings (100%, 75%, 50%)
- Full high definition (FHD) built-in camera
- Images can be stored on a removable 8GB SD card (included)
- Dynamic Line Scrolling feature enables vertical and horizontal scrolling of the reading area without lifting the device
- Additional HDMI input for connecting an external camera with live image feed, distance viewing accessories are sold separately (Camcorder, HDMI Cable and Tripod)
- Lithium-polymer battery for up to 2.5 hours of operation
- USB cable for downloading images to MAC/PC included
- Protective zippered case included

Accessories:

1655-105 Visolux Digital XL FHD Base

- Increases the distance away from the viewing area reducing the starting magnification to 0.8x
- Allows for writing underneath



1655-108 Visolux Digital XL FHD Bumper

- Provides protection from drops
- More secure grip



SPECIFICATIONS

- ✦ Magnification: 2-22x, in steps or continuous zoom
- ✦ Illumination: LED
- ✦ Power Source: Lithium-ion battery - 2.5 hrs. of operation, recharge 4.5 hrs.
- ✦ Weight: 2.2 lbs.
- ✦ Display Size: 12" non-reflective TFT LCD display, 16:9 widescreen format
- ✦ Viewing Modes: True color as well as 14 false colors
- ✦ Image Resolution: 1920x1080 pixels using an FHD camera
- ✦ Warranty: Limited 2 Year
- ✦ Miscellaneous: Display available - see display section

Distance Viewing Accessories:

1655-109 Visolux Digital Carrying Case

- Black nylon carrying case with handles and removable strap
- Dimensions: 13" L x 3.75" W x 10" H



CAHFR800B Canon Vixia Camcorder

- 57x advanced zoom
- 1920 x 1080 p60 image resolution



P620-420BB 42" PlatinumPlus Tripod

- Used to stabilize the camcorder to view distant objects for extended periods of time
- Features 3 legs that extend from 11 - 42"



PEHDCRS103 Swiveling HDMI Mini Cable

- Connect the Canon Vixia Camcorder to the Visolux Digital XL FHD so it can view distance objects
- 3 ft. cord with right angle HDMI Type A and rotating HDMI Type C connector

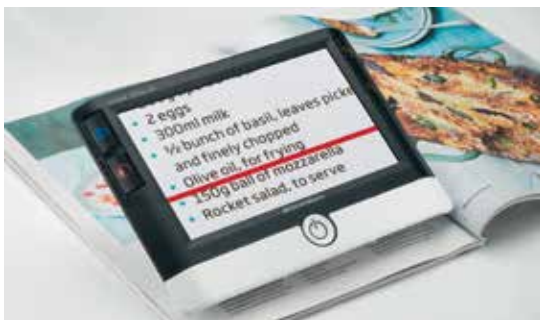




1652-1

Visolux Digital HD

- Advanced portable video magnifier with 7 in. TFT LCD screen
- Color coded buttons for contrast, photo and zoom
- Easy-to-use menu with button located at the top of the unit
- Fold-out stand for comfortable viewing angle
- 3 brightness settings (100%, 75%, 50%)
- High definition (HD) built-in camera
- Images can be captured and stored on a removable 4GB SD card (included)
- Dynamic Line Scrolling feature enables horizontal scrolling of the reading area without lifting the device
- Additional HDMI input for connecting to a television screen
- Lithium-ion battery for up to 3.5 hours of operation
- USB cable for downloading images to MAC/PC included
- Protective zippered case included



SPECIFICATIONS

- ✦ Magnification: 2-22x, in steps or continuous zoom
- ✦ Illumination: LED
- ✦ Power Source: Lithium-ion battery - 3.5 hrs. of operation, recharge 2-3.5 hrs.
- ✦ Weight: 16 oz.
- ✦ Display Size: 7" LCD display with anti-glare coating
- ✦ Viewing Modes: True color as well as 14 false colors
- ✦ Image Resolution: 1024x600
- ✦ Warranty: Limited 2 Year
- ✦ Accessories: Visolux Digital HD Base (1652-105), Visolux Digital HD Bumper (1652-108)
- ✦ Miscellaneous: Display available - see display section

Accessories:

1652-105 Visolux Digital HD Base

- Increases the distance away from the viewing area reducing the magnification
- Allows for writing underneath



1652-108 Visolux Digital HD Bumper

- Perfect all-round protection
- More secure grip





1651-1

Mobilux® DIGITAL Touch HD

- Advanced hand-held video magnifier with 4.3" touch screen display and built-in stand
- HD camera for maximum definition and optimum contrast
- Generous depth of focus for variable viewing distances
- Stable support allows for different uses:
 - placed on the reading material for tremble-free image when reading lengthier texts
 - hand-held for orientation on the reading material and for headings
 - can be tilted for comfortable viewing angle
- 5 viewing modes: true color, contrast-enhanced black/white, white/black, black/yellow and yellow/black
- Line orientation (reading line) for improved continuity of reading
- LCD brightness can be dimmed or turned off
- Image capture function for storing images on pre-installed SD card
- Images can be transferred onto a computer via the USB cable
- Screen-reading function shows live view on a computer monitor
- Automatic shut-off if the device has not been used for approx. 3 minutes to ensure low power consumption
- Lithium-ion battery for up to 5 hours of operation
- Mains voltage requirement for battery charger: 110 V-240 V, 50-60 Hz
- Mobilux® Digital Base 1651-105 included (also sold separately)
- Protective foam case, lanyard and cleaning cloth included

1651-105 Mobilux® Digital Base (included)

- Increases the field of view and reduces the starting magnification to 2.5x



SPECIFICATIONS

- ✚ Magnification: 4-15x
- ✚ Illumination: SMD LED
- ✚ Power Source: Lithium-ion battery - 3 hrs. of operation, recharge time 2 hrs.
- ✚ Weight: 8 oz.
- ✚ Display Size: 4.3 in.
- ✚ Viewing Modes: True color as well as 4 false colors
- ✚ Warranty: Limited 2 Year
- ✚ Miscellaneous: Display available - see display section





1650-11

Smartlux® DIGITAL

- Multi-functional hand-held video magnifier with 5" LCD and fold-out stand
- LCD brightness can be dimmed or turned off
- 5 viewing modes: True color as well as contrast-enhanced black/white, white/black, black/yellow, yellow/black
- Generous depth of focus for variable viewing distances
- Freeze-frame and image capture function: images can be quickly captured. If required, up to 20 of these images can be permanently stored and managed.
- Integrated stand can be adjusted for 3 different uses:
 - fully retracted for hand-held use
 - fully extended for placing on reading material
 - partially extended for writing or working hands-free under the display
- Automatic shut-off if the device has not been used for approx. 3 minutes to ensure low power consumption
- Large RESET button under the folding stand
- Lithium-ion battery for up to 2.5 hours of operation
- Mains voltage requirement for battery charger: 110 V-240 V, 50-60 Hz
- Protective zippered foam case and lanyard included

Accessories:

1650-1108 Smartlux® Digital Bumper

- Perfect all-round protection
- More secure grip



SPECIFICATIONS

- ✦ Magnification: 5x, 7x, 9x, and 12x
- ✦ Illumination: SMD LED
- ✦ Power Source: Lithium-ion battery - 2.5 hrs. of operation, recharge time: 2 hrs.
- ✦ Weight: 7.8 oz.
- ✦ Display Size: 5 in.
- ✦ Viewing Modes: True color as well as 4 false colors
- ✦ Image resolution: 800 x 480 pixels
- ✦ Warranty: Limited 2 Year
- ✦ Accessories: Smartlux® Digital Bumper (1650-1108)
- ✦ Miscellaneous: Display available - see display section



1604-2

1604-2 + 1648
Headlight LED with Headband
Magnifier1604-2 + 1624-51
Headlight LED with MaxDetail1604-2 + 2031
Headlight LED with CombiPLUS

TASK LIGHTING

Headlight LED

- Compact LED light with adapters to attach to 3 different products: MaxDetail (1624-51), Headband Magnifier (1648-xx) and Stand Combination magnifiers (2031, 2032, & 2034)
- Light is concentrated at a specific working distance by means of CPC optics (Compound Parabolic Concentrator)
- Power supply via handy, compact battery housing and cable
- Flexible cable with additional adapter for attaching to eyewear temple
- Constant illumination throughout the entire lighting period
- Illumination strength: approx. 3,200 lx in 250 mm, 1,200 lx in 400 mm.
- Illumination period: approx. 8 hours in normal mode, approx. 14 hours in eco mode
- Lamp housing: Dimensions: 32 x 20 x 34 mm, Weight: 11 g.
- Battery housing: Dimensions: 90 x 55 x 29 mm (without clip). 1m cable length. Weight: 60 g (without batteries).
- Hard foam case and belt clip for battery housing included

SPECIFICATIONS

- ✦ Illumination: SMD LED
- ✦ Power Source: 3 AA batteries (included)
- ✦ Viewing Modes: 2 Brightness settings
- ✦ Warranty: Limited 1 Year

Also Available:

1604-22

Headlight LED with clip for spectacle wearers

1624-52

Headlight LED with MaxDETAIL



1602-04

Halogen Desk Lamp

- Telescopic arm and a swivel head allows a variety of positions
- Broad beam lamp with halogen light provides a strong illumination for any visual task and is well ventilated so it stays cool during use
- Telescoping arm extends from 5 in. to 16 in.
- Lamp head swivels in 2 directions

SPECIFICATIONS

- ✦ Illumination: Halogen (1602-2 bulb included)
- ✦ Power Source: AC
- ✦ Mount: White Plastic
- ✦ Warranty: Limited 1 Year

ACCESSORIES

Easy Reader® Reading Stand



RE-ERV2

- Encourages an upright, ergonomically correct reading position when using a low vision device, preventing neck strain
- Compact design folds down to 0.5 in. high
- Rubber grips stabilize reading stand on different surfaces
- 10 different angles of adjustment
- Flip-out ledge for holding reading material (1 in. deep)
- Elastic page holder keeps reading material secure

SPECIFICATIONS

- ✦ Material: Gray plastic
- ✦ Dimensions: 13.5 x 8 in. surface area
- ✦ Warranty: Limited 1 Year



1605

Reading Stand

- Encourages an upright, ergonomically correct reading position, preventing back pain
- When used in conjunction with a magnifying vision aid, an optimum angle of view and a uniform distance to the reading material are always achieved
- Guarantees stability and a tremble-free image
- 5 different angles of adjustment
- Edge stopper prevents slipping
- Supplied with clamp attachment for large papers

SPECIFICATIONS

- ✦ Material: Maple wood
- ✦ Dimensions: 16 x 14 in. surface area
- ✦ Warranty: Limited 1 Year

1605 + 1605-1
Reading Stand with
Guide Rail



Accessories:

1605-1 Guide Rail

- Facilitates line orientation on the reading stand
- Can be secured at any height by means of a fixing screw
- Material: Maple wood



C-500

Large Reading Stand

- Designed to provide a comfortable reading position when using a high power magnifier
- Magnetic strips on the back side of clip board allow the height to be adjusted
- Comes complete with 1 vertical clipboard

SPECIFICATIONS

- ✦ Material: Poplar wood
- ✦ Dimensions: 14 x 9 in. surface area
- ✦ Warranty: Limited 1 Year



1600

DuoCLIP Table Clamp

- Table clamp attaches to the edge of most standard desks or tables to hold a hand-held magnifier for “hands-free” viewing
- The flexible, black gooseneck metal arm allows for the attached magnifier to be placed in almost any position
- Metal arm with plastic clamps on each end
- Clamping jaws open 1.77 in. wide and have sponge rubber disks to provide a firm grip on surfaces

SPECIFICATIONS

- ✦ Material: Metal arm, plastic clamps
- ✦ Dimensions: 13 in. long
- ✦ Warranty: Limited 1 Year

Replacement Bulbs

1544 Incandescent Bulb

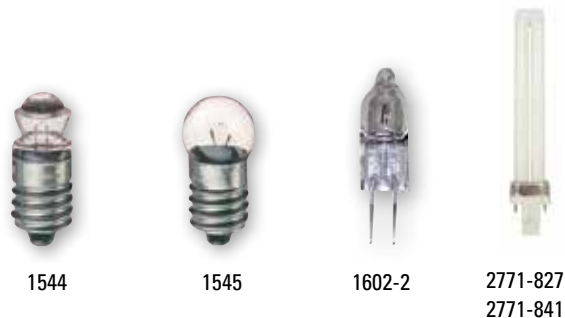
- For Mobilux® Economy illuminated magnifiers (1510s)
- 2 per package

1545 Incandescent Bulb

- For System VarioPLUS battery handle (1599-10)
- 5 per package

1602-2 Halogen Bulb

- For Halogen Lamp (1602-04)
- 1 per package



1544

1545

1602-2

2771-827
2771-841

2771-827 Fluorescent Bulb (Yellow)

- For VarioMAXI (2771-104)
- 1 per package

2771-841 Fluorescent Bulb (White)

- For VarioMAXI (2771-104)
- 1 per package



EB-CR1632

EB-CR2025

EB-CR2032

EB-CR1632 Battery

- For LightSpecs® illuminated reading glasses (FGX-1011xxx)
- 3-Volt Lithium coin battery
- 8 per package

EB-CR2025 Battery

- For EasyPOCKET Illuminated Magnifiers (1521s)
- 3-Volt Lithium coin battery
- 8 per package

EB-CR2032 Battery

- For EasyPOCKET XL (1522-10, 1522-11)
- 3-Volt Lithium coin battery
- 8 per package

Replacement Batteries

VISION CHARTS

Near Reading Chart

- Provides an effective method to expedite the process of determining the needed magnification within minutes!
- Also available in Spanish (C-100-S) and French (C-100-F)
- Each line of text lists Snellen near equivalent (at 16"), M notion, dioptric power requirement and magnification requirement
- Snellen Acuity Range: 20/50-20/800



C-100

To use: Have the patient read the chart holding it 16" away from their eyes with best corrected vision. When the patient can no longer read the print, make a note of which line could not be read. Above that line to the right is the approximate magnification and dioptric powers needed to read standard news print (1M).

Continuous Text Low Contrast Chart



C-300

- Used to determine which illumination option is best for a patient and to demonstrate the benefits of contrast-enhancing filters
- Printed at 20/400 acuity so it can be read by most visually impaired patients
- Includes 5 pages printed with either 25%, 10%, 5%, 2.5% or 1.25% contrast sensitivity function scores
- Printed on sturdy polystyrene with matte finish and spiral binding

To use: Have your patient begin reading the first page (25%) and then have them read as many additional pages as possible. When they begin to have difficulty, look at the lower right hand corner of the page and note the contrast sensitivity score. You can use this score to help determine the best illumination option for patients (e.g., those with a high % contrast score tend to prefer halogen or LED illumination and those with a low % contrast score tend to prefer incandescent or no illumination). In addition, by comparing scores over time, you can adjust the illumination option for a patient (a patient who scored 2.5% six months ago and who now scores 10% might not need a stronger magnifier, just a different illumination option).

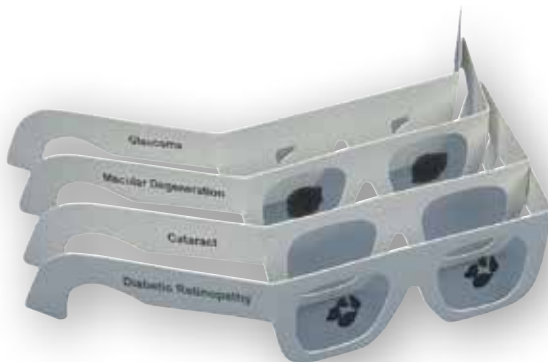


DVI-Chart

Distance Reading Chart

- Acuity test designed by Dr. William Feinbloom
- Allows the low vision practitioner the flexibility to adjust the distance acuity measuring process to meet the abilities of the patient
- Calibrated for use at 10 feet away
- Snellen Acuity Range: 10/10 to 10/700
- Printed on heavy gauge laminate paper with spiral binding

Simulator Kit



C-Sim Kit 4

- Set of 4 vision loss simulator glasses
- Can be used to demonstrate examples of the four major underlying eye diseases that cause low vision: macular degeneration, diabetic retinopathy, cataracts, and glaucoma.
- Can be worn by staff and/or family members so they can experience what it looks like to have one of the major eye diseases that causes low vision
- By understanding the effects these eye diseases have on your vision, it is easier to appreciate why low vision devices are needed
- Each simulator has the eye disease it is simulating printed on the temple



PRESENTATION SYSTEM

Optoform Cabinet

- High quality diagnostic dispensing system providing a comprehensive assortment of vision aids from Eschenbach
- The ideal solution to promote product inventory and provides a practical merchandising tool for successful discussions with customers
- Sophisticated design for high quality product presentation
- 2 Floating glass shelves provide storage and draw attention to the products
- LED illuminated display case with clear glass top allows the top product tray to be clearly presented
- Cabinet door includes a key lock to ensure dust-free and safe storage of the product trays
- Main cabinet holds 7 trays
- Flexible tray system presents the product range in a clear and professional manner, ideal for demonstrating products to your customers
- Illuminated top header panel draws the attention of the customer to the product highlights
- Display unit is equipped with casters for easy maneuvering - rear casters can be locked to guarantee stability
- Display Cabinet (1895-C) and Display Top (1895-T) can be ordered separately

SPECIFICATIONS

- ✦ Illumination: LED strip
- ✦ Power Source: AC with 230 V/50 Hz
- ✦ Weight: 132 lbs. (without product)
- ✦ Dimensions: 21.8 in. x 17.7 in. x 71.6 in (WxDxH)
- ✦ Material: Wood

LOW VISION PROGRAM

The Optoform Cabinet is one of the key elements of the Eschenbach Low Vision Program which is a turnkey package designed specifically to easily add low vision care to your practice.

We'll provide you with all the tools you need to successfully incorporate low vision care into your practice so that you can help your visually impaired patients remain independent and maximize their quality of life!

The Low Vision Program consists of 3 simple components:

In-office Training

A knowledgeable Eschenbach Territory Manager will come to your practice to conduct extensive training for you and/or your staff on vision aid applications, as well as provide dispensing tips and share practice management techniques.

Consultative Support

You'll be provided with a vast range of marketing tools including patient screening materials, third-party reimbursement codes, and other resources that have been developed based on input from hundreds of successful low vision practices.

A Diagnostic Dispensing System:

An attractive and functional Optoform Cabinet (1895) that contains a comprehensive diagnostic inventory of vision aids to meet the diverse functional needs of your visually impaired patients. Several standard tray assortments are available as well as customizable packages.

Learn more by contacting Eschenbach Optik of America, Inc. at (800) 487-5389.



ESCHENBACH Haus Call

A Telelowvision Program



Eschenbach Haus Call

- At-home service allows low vision providers to offer low vision care to patients who can not attend an in-person appointment
- Provides a remote low vision exam and device assessment
- Includes two kits that are delivered to the patient's home
- Kits are used by the patient under the remote supervision of the low vision provider
- Each kit includes an iPad with a pre-loaded HIPAA-compliant web conferencing app to connect to a virtual meeting
- Provider is able to accurately gather test information needed using the "iDoktor" Kit which includes a near acuity, distance acuity and contrast test inside
- Patients are able to obtain and learn how to correctly use the low vision devices recommended for them using the "iProdukt" Kit
- Four standard program options available, can be customized
- Training for practice included



TELELOWVISION PROGRAM

Eschenbach's Haus Call is a first-of-its kind Telelowvision Program that allows you to easily offer low vision care to your patients who are either unable or hesitant to visit you in person. This unique service allows you to conduct both a low vision exam and a follow-up device assessment appointment virtually.

This is possible through the use of our two exclusive kits (the iDoktor and iProdukt) that are sent directly to your patient, each of which includes an iPad with a pre-loaded link to a HIPAA-compliant web conferencing app.

Our "iDoktor" Diagnostic Kit is sent first and includes a near acuity, distance acuity and contrast test. After the diagnostic exam is completed our "iProdukt" Trial Kit will be sent to your patient with an assortment of low vision devices you have selected to meet their specific needs and visual goals. And if you decide to take advantage of our exclusive "device bracketing" option, we'll include additional devices in powers (or sizes/colors for tints) adjacent to what you ordered so that you can allow your patient to try other options if needed.

By using these two kits you'll be able to accurately gather the test information you need to recommend the best devices for your patient and your patient will be able to learn how to correctly use the low vision devices at home with your supervision.

The Telelowvision Program consists of 2 main components:

Two Exclusive Kits: The "iDoktor" Diagnostic Kit and "iProdukt" Product Trial Kit are delivered directly to the patient

iPads in each kit with a HIPAA-compliant Web Conferencing Application: Allows the patient to connect with the low vision provider for a virtual low vision appointment and device assessment

Haus Call Standard Program Options:

#1) The Complete System:

- An iDoktor Kit with Vision Tests
- An iProdukt Kit with Trial Products
- An iPad in each kit to join the Telelowvision Appointment

#2) The Complete System - Modified:

- An iDoktor Kit with Vision Tests (excludes distance acuity test)
- An iProdukt Kit with Trial Products
- An iPad in each kit to join the Telelowvision Appointment

#3) The Product Trial System:

- An iProdukt Kit with Trial Products
- An iPad used to join the Telelowvision Appointment

#4) The Product Trial System - Modified:

- An iProdukt Kit with Trial Products
(excludes iPad used to join the Telelowvision Appointment)

Learn more by contacting Eschenbach Optik of America, Inc. at (800) 487-5389.



1894

Premium Table-top Optoform Display

- Premium table-top display showcases a variety of magnifier solutions (product sold separately)
- Includes 2 pull-out shelves that hold any Eschenbach tray insert, or 2 half-tray inserts
- Top shelf provides extra display room
- A clear plastic door covers the front opening to keep dust out and can be removed if desired
- 3 interchangeable header graphics included
- Dimensions: 19 in. x 14 in. x 30 in. (LxWxH)



1865

Easy Vision Display

- Table-top display with an assortment of low powered magnification devices that can be used for near, far, and intermediate tasks
- Dimensions: 19.5 in. x 11.25 in. x 10 in. (LxWxH)

Contents:

Mobilux® LED (1511-3), EasyPOCKET (1521-10, 1521-22) Makrolux (1436-11), Scribolux (1565-12), Powerlux (1586-14) MiniFrame Bifo (2906-034, 2906-036), MaxDetail Clip (1624-61), MaxTV® (1624-11), and Smartlux® Digital (1650-11)

Portable Low Vision Kit

- Features a broad range of vision aids for near and distance tasks
- Holds 35 vision aids, 2 custom foam inserts, 1 reading chart
- 2 Case designs: rolling case with wheels & telescoping handle or carrying case with handles and shoulder strap
- Dimensions: 27 in. x 9.5 in. x 18.25 in. (LxWxH)



1850-1#



1850-2#

Contents:

1	1650-11	Smartlux® Digital
1	1650-1108	Smartlux® Digital Bumper
1	1652-1	Visolux Digital
1	1652-108	Visolux Digital Bumper
4	1511-x	Mobilux® LEDs 10D/16D/20D/24D
4	1511-xxx	Mobase Stands
3	1521-xx	EasyPOCKET magnifiers 6D/10D/10D
1	1436-11	Makrolux
1	1438-30	MenasLux
1	1565-12	Scribolux
1	1565-1209	Scribolux Case
1	1566	Visolux+
1	1624-11	MaxTV®
1	1624-21	MaxTV® Clip
1	1624-51	MaxDetail
1	1624-61	MaxDetail Clip
1	1634	Galilean 3x Telescope
2	4293-xxx	Monoculars 4x/6x
3	2913-xxx	Ready Readers 3.00D/3.50D/4.00D
1	FGX-101x	Lightspecs® Readers +5.00D
3	B-3000-x	Economy Plus Prism Eyewear 6D/8D/10D
5	TAE-xxxxx	Solar Shield® Large Gray & Yellow, Medium Amber & Plum, Small Orange
1	TAE-6V55x	SolarComfort® Amber

DIAGNOSTIC TRAY SYSTEMS

Full Tray Assortments



1832#

Hand-held and Folding Pocket Magnifiers Tray

Contents: 1521-10 (3x), 1521-11 (3x), 1521-22 (4x) EasyPOCKET magnifiers; 1710-94 (4x), 1710-97 (7x), 1710-910 (10x) Mobilent pocket magnifiers; 1740-x30 (6x), 1740-x50 (3.5x), 1740-x60 (3.5x), 1752-x50 (3.5x), 1752-x60 (3.5x) Folding pocket magnifiers; and tray insert 1832-13.



18371#

Mobilux® LED Hand-Held Magnifiers Tray

Contents: 1511-2 (3x), 1511-3 (3.5x), 1511-4 (4x), 1511-41 (4x), 1511-5 (5x), 1511-6 (6x), 1511-7 (7x), 1511-10 (10x), 1511-12 (12.5x) Mobilux® LED magnifiers; and tray insert 1837-63.



1697#

Noves Eyewear Tray

Contents: 1681-3-L (12D Left), 1681-3-R (12D Right), 1681-4-L (16D Left), 1681-4-R (16D Right), 1681-5-L (20D Left), 1681-5-R (20D Right), 1681-6-L (24D Left), 1681-6-R (24D Right), Noves Mono; 1682-4 (4D), 1682-5 (5D), 1682-6 (6D), 1682-8 (8D), 1682-10 (10D) Noves Bino; and tray insert 1697-73.



1695#

Galilean and Keplerian Telescopes Tray

Contents: 1624-11 MaxTV® (2.1x); 1624-51 MaxDetail (2x); 1624-6 MaxDetail Clip (2x); 1631 Frame; 1634 (3x), 1634-4 (4x), 1636-3 (3x) Galilean Binoculars; 1671-1 Finger Ring; 1673-1 (2.8x), 1673- 2 (4.2x), 1673-3 (4.2x) Keplerian Monoculars; and tray insert 1695-13.

Half Tray Assortments



1880-2#



1880-3#



1880-4#

Hand-Held Video Magnifiers Half Tray

Contents: 1650-11 Smartlux® Digital, 1651-1 Mobilux® Digital Touch HD, and 1880-23 custom insert.

Portable Video Magnifiers Half Tray

Contents: 1650-11 Smartlux® Digital, 1652-1 Visolux Digital HD, and the 1880-33 custom insert.

VLD XL Video Magnifier Half Tray

Contents: 1655-1 Visolux Digital XL and the 1880-43 custom insert.



1881-0#



1881-1#



1881-2#

Mobilux® LED Half Tray

Contents: 1511-2 (2x), 1511-41 (4x), 1511-5 (5x), 1511-6 (6x) Mobilux® LED Magnifiers and 1881-03 custom insert.

Mobilux® LED Half Tray

Contents: 1511-5 (5x), 1511-6 (6x), 1511-7 (7x), 1511-10 (10x), 1511-12 (12.5x) Mobilux® LED Magnifiers and 1881-3 custom insert.

Mobilux® LED Half Tray

Contents: 2 1511-3 (3.5x), 2 1511-4 (4x) Mobilux® LED Magnifiers and 1881-23 custom insert.



1881-3#

Mobilux® LED/ EasyPOCKET Half Tray

Contents: 1511-3 (3.5x), 1511-4 (4x) Mobilux® LED Magnifiers, 1521-10 (3x), 1521-11 (3x), 1521-22 (4x) EasyPOCKET and 1881-33 custom insert.



1881-4#

Mobilux® LED/ Mobase Half Tray

Contents: 1511-3 (3.5x), 1511-5 (5x), 1511-7 (7x), 1511-10 (10x) Mobilux® LED Magnifiers, 1511-001, 1511-002, 1511-003, 1511-004 Mobase Stands and 1881-43 custom insert.



1881-5#

Mobilux® LED Half Tray

Contents: 1511-2 (3x), 2 1511-3 (3.5x), 1511-4 (4x) Mobilux® LED Magnifiers and 1881-53 custom insert.



1882-0#

Stand Magnifiers Half Tray

Contents: 1436-11 (2.2x), 1436-21 (3.6x) Makrolux, 1565-12 (2.8x) Scribolux, 1566 (3x) Visolux+ and 1882-03 custom insert.



1882-3#

System VarioPLUS Half Tray

Contents: 1599-144 LED Handle, 1557-73 (12.5x), 1550-73 (10x), 1551-73 (7x), 1552-73 (6x), 1553-93 (5x), 1554-93 (4x), 1559-93 (3x) Round Head Magnifiers, and 1882-33 custom insert.



1882-4#

System VarioPLUS Half Tray

Contents: 1599-144 LED Handle, 1580-63 (3x), 1582-63 (2.8x), 1581-73 (3.9x) Rectangular Head Magnifier, and 1882-43 custom insert.



1882-6#

Powerlux Half Tray

Contents: 1586-14 (3.5x) ,1586-20 (5x),
1586-28 (7x) Powerlux Magnifiers and
1882-63 custom insert.



1883-1#

MaxTV®/ MaxDETAIL Half Tray

Contents: 1624-11 MaxTV®, 1624-
21 MaxTV® Clip, 1624-51 MaxDetail,
1624-61 MaxDetail Clip and the 1883-13
custom insert.



1883-3#

EasyPOCKET/ EasyPOCKET XL Half Tray

Contents: 1521-10 (3x), 1521-11 (3x),
1521-22 (4x) EasyPOCKET magnifiers,
1522-10 (2.5x), 1522-11 (2.5x)
EasyPOCKET XL magnifiers, and 1883-33
custom insert.



1895-01

Gray Tray Base

- For use with the 1895 or 1895-C Optoform Diagnostic Dispensing System
- Accommodates one full tray insert or two half tray inserts

87272 +
873003

Visolux+ Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 2 Visolux+ magnifiers (1566)

87274 +
873003

Smartlux® Digital Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 1 Smartlux® Digital video magnifier (1650-11)

87275 +
873003

Scribolux Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 2 Scribolux magnifiers (1565-12)

87278 +
873003

Makrolux Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 2 Makrolux magnifiers (1436)

87279 +
873003

Powerlux Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 1 Powerlux magnifier (1586)

872801 +
873003

EasyPOCKET Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 3 EasyPOCKET magnifiers (1521)

87285 +
873003

MaxTV® Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 2 MaxTV®

87297 +
873003

Mobilux® Digital Touch HD Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 1 Mobilux® Digital Touch HD video magnifier (1651-1)



87303 +
873003

Visolux Digital HD Display

- 1-piece display
- Dimensions: 12.5" H x 9.5" W x 9" D
- Free with purchase of 1 Visolux Digital HD video magnifier (1652-1)



1655-1907

Visolux Digital XL FHD Display

- 1-piece display
- Free with purchase of 1 Visolux Digital XL FHD video magnifier (1655-1)



1511-9107

Mobilux® LED Display

- 9-piece display
- Dimensions: 4" H x 10" W x 7.75" D
- Free purchase of any 9 Mobilux® LED magnifiers



1721-907

VisoPOCKET Display

- 10-piece display
- Dimensions: 6" H x 7.75" W x 3.25" D
- Free with purchase of 10 VisoPOCKET Magnifiers



1896

Window Display

- Table-top display with floating shelf
- Dimensions: 16.25" H x 14.25" W x 9" D (8" L x 6" W shelf)
- Free with minimum purchase



2906-907

MiniFrame Bifo Display

- 3-piece display with storage in the back
- Dimensions: 16.5" H x 6.5" W x 6" D
- Free purchase of any 6 MiniFrame Bifo prismatic eyewear



2612-1

Biconvex Magnifier Display

- 12-piece display with product
- Dimensions: 8" H x 8.6" W x 12" D
- Includes: (4) 2612-9507, (3) 2612-807, (3) 2612-607, and (2) 2612-407 biconvex magnifiers.



2668-9

Ergo Magnifier Display

- 6-piece display with storage in the back
- Free with purchase of any 6 Ergo magnifiers



2900-907

4-Piece Readers Display

- 4-piece display with storage in the back
- Dimensions: 8" H x 8.6" W x 12" D
- Free with purchase of any 10 Eschenbach readers



2910-01

MiniFrame Display

- 10-piece display
- Dimensions: 13.5" H x 12.5" W x 6" D
- Free with purchase of any 25 MiniFrame readers



2912-DISPLAY

14-Piece Readers Display

- 14-piece display with bottom mirror
- Dimensions: 21" H x 15.5" W x 4.75" D
- Free with purchase of any 14 Eschenbach readers



FGX-LIGHTSPECS

LightSpecs® Display

- 1-piece display
- Dimensions: 6" H x 6.5" W x 5" D
- Free with purchase of any 3 LightSpecs® reading glasses



FGX-PDISPLAY-4

Polinelli® Reader Display

- 4-piece display
- Dimensions: 12.5" H x 7.25" W x 7.5" D
- Free with purchase of any 8 Polinelli® reading glasses



FGX-PDISPLAY-16

Polinelli® Spinner Display

- 16-piece display with top mirror
- Dimensions: 16.5" H x 14" W x 14" D



TAE-17P204DHNO

Haven® / FL-41 Display

- 6-piece brushed metal table-top display
- Dimensions: 22" H x 9" W x 8" D
- Free with purchase of any 9 Haven®/FL-41 filters



TAE-3H-DISPLAY2

Haven® Floor Display

- 18-piece brushed metal floor display
- Dimensions: 68" H x 16" W x 14" D
- Free with purchase of any 36 Haven® filters







TAE-20-DISPLAY

Solar Shield® / SolarComfort® Display

- 20-piece display with side mirrors
- Dimensions: 23" H x 14" W x 14" D
- Free with purchase of any 20 Solar Shield®/SolarComfort® filters

Portable Video Magnifier Comparison

	Visolux Digital XL FHD	Visolux Digital HD	Mobilux® Digital Touch HD	Smartlux® Digital
Display				
Size	11.6" / 29.5 cm	7" / 17.9 cm	4.3" / 11.0 cm	5" / 12.7 cm
Format	16:9 widescreen	16:9 widescreen	16:9 widescreen	16:9 widescreen
Type	Active matrix TFT LCD with LED backlight	Active matrix TFT LCD with LED backlight	Active matrix TFT LCD with LED backlight	Active matrix TFT LCD with LED backlight
Anti-reflection	• (matte)	• (matte)	• (matte)	• (matte)
Brightness dimmable	•	•	•	•
Features				
Magnification	2.0 x to 22 x	2.0 x to 22 x	1.9 x to 12 x	1.7 x to 12 x
System resolution	Full-HD	HD	HD	WVGA
Operating keys	10	8	1	3
Graphical menu	•	•	•	–
Touchscreen operation	• (off option)	–	•	–
Operation with speech output	• (off option)	–	–	–
Display options				
Dynamic Line Scrolling (DLS)	• (horizontal + vertical)	• (horizontal)	–	–
Reading line / Reading blinds	• /•	• /•	• /•	–
Automatic exposure	•	•	•	•
LED Brightness Settings	• (off option)	• (off option)	• (off option)	• (off option)
Live dual-screen function	•	•	• (to PC)	–
Photo store function	• (off option)	• (off option)	•	•
Camera centrally mounted	•	•	•	•
Orientation aid on housing	•	•	–	–
Housing tiltable	–	–	•	–
Writing under the display	•	–	–	•
Stand can be folded out	• (two positions)	• (two positions)	–	• (three positions)
Positioning markers on stand	•	•	–	–
Interfaces				
SD card slot	•	•	•	–
USB port (PC and Mac)	• (Type C)	• (Type C)	• (Type Mini B)	–
HDMI output	•	•	–	–
HDMI input	•	–	–	–
Power port	• (via USB)	• (DC 9 V)	• (via USB)	• (DC 5 V)
Miscellaneous				
Software update	•	•	•	• (via Service)
Reset key	•	•	•	•
Automatic shut-off	•	•	•	•
Integrated battery	• (Lithium-polymer)	• (Lithium-ion)	• (Lithium-ion)	• (Lithium-ion)
Operating hours, approx.	2.5 hours	3.5 hours	3 hours	2.5 hours
Dimensions, approx.	29 x 20 x 4 cm (11 x 8 x 1.5 in.)	20 x 14 x 3 cm (8 x 5.5 x 1 in.)	21 x 7.5 x 4 cm (8 x 3 x 1.5 in.)	17 x 9 x 4 cm (6.7 x 3.5 x 1.5 in.)
Weight, approx.	1,050 g (37 oz.)	460 g (16 oz.)	230 g (8 oz.)	220 g (7.7 oz.)
Delivery contents				
Hard foam case	•	•	•	•
Lanyard	•	•	•	•
Microfiber cloth	•	•	•	•
HDMI cable	•	•	–	–
USB cable	•	•	•	–
SD card	• (8 GB)	• (8 GB)	• (4 GB)	–
PC software	–	–	• (on SD card)	–
Universal charger	• (110-240 V, 50-60 Hz)	• (110-240 V, 50-60 Hz)	• (110-240 V, 50-60 Hz)	• (110-240 V, 50-60 Hz)
Power Plug Adapters	• (EU, GB, US, AU)	• (EU, GB, US, AU)	• (EU, GB, US, AU)	• (EU, GB, US, AU)
Operating instructions	• (printed)	• (printed)	• (printed)	• (printed)
Optional accessories				
Base (stand)	•	•	•	–
Bumper (protective envelope)	•	•	–	•
Bag (for carrying)	•	•	•	•

• yes, available or possible

– no, not available or not possible

Galilean and Keplerian Monocular Specifications

Item	Magnification	Visual Field Values	Visual Angle	Working Distance in mm	Lens 0 in mm	Weight in g	Exit Pupil in mm 0/position at ∞ or 200 mm	Diopter Compensation Diopter
1621	2.20 x Distance	*250 m / 1,000 m	14.0°	∞	23.0	16.0		
1621 + 1621-3	1.65 x Near	*67 mm	12.0°	approx. 330	25.5	22.0		
1621 + 1621-4	2.20 x Near	*54 mm	12.0°	250	25.5	22.0		
1621 + 1621-5	2.75 x Near	*44 mm	12.0°	200	25.5	22.0		
1621 + 1621-6	3.60 x Near	*35 mm	12.0°	167	25.5	22.0		
1621 + 1621-8	4.40 x Near	*25 mm	12.0°	125	25.5	22.0		
1621 + 1621-10	5.50 x Near	*22 mm	12.0°	100	25.5	22.0		
1621 + 1621-12	6.60 x Near	*18 mm	12.0°	83	25.5	22.0		
1621 + 1621-16	8.80 x Near	*14 mm	12.0°	63	25.5	22.0		
1622-5	2.50 x Distance	*230 m / 1,000 m	13.0°	∞	25.0	11.0		
1622-5 + 1621-3	1.90 x Near	*64 mm	11.0°	approx. 330	25.5	17.0		
1622-5 + 1621-4	2.50 x Near	*48 mm	11.0°	250	25.5	17.0		
1622-5 + 1621-5	3.15 x Near	*38 mm	11.0°	200	25.5	17.0		
1622-5 + 1621-6	3.75 x Near	*32 mm	11.0°	167	25.5	17.0		
1622-5 + 1621-8	5.00 x Near	*24 mm	11.0°	125	25.5	17.0		
1622-5 + 1621-10	6.25 x Near	*19 mm	11.0°	100	25.5	17.0		
1622-5 + 1621-12	7.50 x Near	*16 mm	11.0°	83	25.5	17.0		
1622-5 + 1621-16	10.0 x Near	*12 mm	11.0°	63	25.5	17.0		
1623	2.00 x Distance	*380 m / 1,000 m	22.0°	X	37.0	18.0		
1623 + 1623-3	1.50 x Near	*110 mm	18.5°	330	42.0	24.0		
1623 + 1623-4	2.00 x Near	*84 mm	18.5°	250	42.0	24.0		
1623 + 1623-5	2.50 x Near	*72 mm	18.5°	200	42.0	24.5		
1623 + 1623-6	3.00 x Near	*57 mm	18.5°	167	42.0	25.0		
1623 + 1623-8	4.00 x Near	*45 mm	18.5°	125	42.0	25.5		
1623 + 1623-10	5.00 x Near	*32 mm	18.5°	100	42.0	26.0		
1623 + 1623-12	6.00 x Near	*30 mm	18.5°	83	42.0	26.5		
1634	3.00 x Distance	*160 m / 1,000 m	9.5°	700 to ∞	23.0	70.0		approx. ± 5
1634-4	4.00 x Distance	*130 m / 1,000 m	7.5°	780 to ∞	23.0	70.0		approx. ± 5
1636-2	2.50 x Near	*75 m / 350 m	15.0°	approx. 350	23.0	70.0		approx. ± 5
1636-3	3.00 x Near	*54 m / 200 m	12.5°	approx. 200	23.0	70.0		approx. ± 5
1636-4	4.00 x Near	*35 m / 250 m	8.0°	approx. 250	23.0	70.0		approx. ± 5
1673-1	2.80 x Distance 3.40 x Near	220 m / 1,000 m 26 mm / 150 mm	12.5° 10.0°	150 to ∞	9.0	28.0	3.2/13 2.8/10.5	± 9
1673-2	4.20 x Distance 5.50 x Near	175 m / 1,000 m 25 mm / 200 mm	10.0° 7.2°	200 to ∞	10.0	29.0	2.4/13.5 2.2/9.5	± 40/-30
1673-3	4.20 x Distance 5.00 x Near	220 m / 1,000 m 32 mm / 200 mm	12.5° 9.2°	200 to ∞	12.0	47.0	2.9/11.5 2.1/9.5	± 12
1673-4	6.00 x Distance 7.60 x Near	162 m / 1,000 m 26 mm / 250 mm	9.3° 6.0°	250 to ∞	16.0	57.0	2.7/7 2.0/6	± 18
1674-820	8.00 x Distance	122 m / 1,000 m	7°	300 to ∞	20.0	75.0	2.5	± 24
1674-832	8.00 x Distance	136 m / 1,000 m	7.8°	700 to ∞	32.0	180.0	4.0	± 18
4292-8212	8.00 x	113 m / 1,000 m	6.5°	1,500 to ∞	21.0	90.0	2.63	
4293-616	6.00 x	140 x 180 m / 1,000 m	8° x 6.2°	1,000 to ∞	16.0	65.0	2.7	
4293-816	8.00 x	122 x 94 m / 1,000 m	7° x 5.4°	1,000 to ∞	16.0	65.0	2.0	
4294-413	4.00 x Distance	225 m / 1,000 m	12.7°	∞	13.0	46.0	3.25	
4294-618	6.00 x Distance	142 m / 1,000 m	8.1°	200 to ∞	18.0	78.0	3.1	

* In the case of Galilean systems, the effective visual field is dependent on the distance of the eye/eyepiece. The values stated for visual field are therefore average values. Technical specification is subject to change without prior notice. (The visual angle is measured at HSA 10 mm).

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Stand Magnifier Specifications

Item	Magnification	Diopter [D]=1/f	Lens Size 0/mm	Lens Type	a_E	s mm	s_1 mm	e mm	Enlargement Ratio (ER)	Max. Allowable Add (D)
System VarioPLUS										
1557	12.5 x	50.0	0 35	as	400	15.2	360	40	23.7	2.8
1550	10.0 x	38.0	0 35	as	400	19.5	360	40	18.5	2.8
1551	7.0 x	28.0	0 35	as	400	29.3	340	60	11.6	2.9
1552	6.0 x	24.0	0 50	as	400	31.5	300	100	9.5	3.3
1553	5.0 x	20.0	0 58	as	400	36.0	260	140	7.2	3.8
1554	4.0 x	16.0	0 70	as	400	45.0	250	150	5.6	4.0
1559	3.0 x	12.0	0 80	as	400	48.6	150	250	3.1	6.7
1580	3.0 x	7.6	100/50	as	400	59.3	150	250	2.5	6.7
1581	3.9 x	11.4	100/50	as	400	46.0	200	200	4.3	5.0
1582	2.8 x	7.0	100/75	as	400	61.5	150	250	2.4	6.7
Powerlux										
1586-14, -141	3.5 x	14.0	0 58	as	400	39.7	156	250	3.9	6.4
1586-20, -201	5.0 x	20.0	0 58	as	400	36.0	260	140	7.2	3.8
1586-28, -281	7.0 x	28.0	0 58	as	400	24.8	320	100	12.9	3.1
Visolux+										
1566	3.0x	12.0	100/75	ma	400	36.9	150	250	4.1	6.7

Optimal conditions of use

The optimum image quality of an **aspheric** lens is achieved by maintaining the recommended distances between the eye and the lens and the lens and the object viewed.

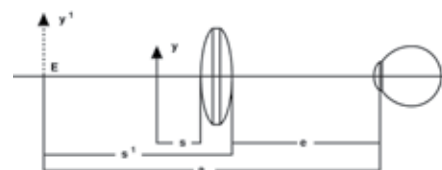
Lens Size	Magnification (ISO/CEN)	Diopter	mm	mm
35	12.5 x	50.0	15	40
35	10.0 x	38.0	20	40
35	7.0 x	28.0	29	60
50	6.0 x	24.0	31	100
58	6.0 x	24.0	31	100
58	5.0 x	20.0	36	140
58	4.0 x	16.0	44	150
70	4.0 x	16.0	45	150
60	4.0 x	16.0	44	150
60	3.0 x	12.0	49	250
75/50	4.0 x	16.0	44	180
75/50	3.5 x	10.0	50	250
100/50	3.9 x	11.4	46	200
100/50	3.0 x	7.4	59	250
100/75	2.8 x	7.0	61	250

General Technical Information:

All Vision Technology products from Eschenbach Optik comply with the applicable standards and directives of the European Union (EU) and the Federal Republic of Germany and therefore bear, where stipulated by law, the CE-symbol which is valid throughout Europe. This ensures that your customers receive a quality product which complies with the very latest quality standards.

Care instructions:

If the lens of your reading magnifier/illuminated magnifier requires cleaning, please pay attention to the following instructions: a soft cotton or linen cloth should be used for cleaning. The surface of the lens must only be gently wiped over. If the magnifier is very dirty then the cloth should be dampened with lukewarm water. **Never use alcohol-based solvents** or organic solvents for cleaning the lenses as these can damage the lenses.



aE = Eye-to-image distance
 y = Object
 y_1 = Image
 e = Eye-to-lens distance
 s = Lens-to-object distance
 s_1 = Lens-to-image distance

Description of technical information on Eschenbach Optik illuminated magnifiers:

ESCHENBACH
3x 7,6 D 250
 Magnification | Diopter | e



Eschenbach Optik products have been awarded EN ISO 9001 and DIN ISO 14001:2004 certification (environmental management) and this is your guarantee of a high standard of quality.

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1520-xx	12	1646	29	1883-1#	71	FGX-1012xxx	23
1521-xx	6	1646-xx	29	1883-3#	71	FGX-1015-xxx	25
1522-xx	6	1647	28	1894	67	FGX-Pxxx	27
1544	63	1648-xx	28	1895	65	H-4511-xxx	51
1545	63	1650-11	59	1895-01	71	KS-T-xxx	42
1550-73	16-17	1650-1108	59	1896	73	MATF-10C	5
1551-73	16-17	1651-1	58	2031	10	PEHDCRS103	56
1552-73	16-17	1651-105	58	2032	10	P620-420BB	56
1553-93	16-17	1652-1	57	2034	10	SOHDRCX405	54
1554-93	16-17	1652-105	57	2050-1	10	RE-ERV2	61
1557-73	16-17	1652-108	57	2136-x	13	TAE-1025	49
1559-93	16-17	1655-1	56	2605	20	TAE-1060	49
1560-x	17	1655-105	56	2606	20	TAE-2xxx	48
1565-12	14	1655-108	56	2608	20	TAE-3Hxxx	50-51
1565-1209	14	1655-109	56	2612-xxx	9	TAE-6Vxx	49
1566	14	1659-1	53	2614-xx	9	TLV-xx	66
1580-63	16-17	1659-109	54	2636-11	15		
1581-73	16-17	1659-16	54	2642-xx	8		
1582-63	16-17	1659-16x	55	2655-xx	7		
1586-xx	15	1659-T	53	2668-xx	8		
1599-10	16	1663-xx	46	2677	13		
1599-144	16	1663-951	47	2678	13		
1600	62	1666-xx	46	2771-104	22		
1602-2	63	1671-1	39	2771-827	63		
1602-04	60	1671-5	41	2771-841	63		
1604-xx	60	1673-02	39	2772-9	22		
1604-2	60	1673-03	39	2777-x	22		
1605	61	1673-x	39	2781	21		
1605-1	61	1674-xxx	42	2781-5	21		
1619	40	1680-xx	31	2781-9	21		
1621	38	1681-xx	30	2855-xx	7		
1621-0	38	1682-xx	30	2872-xx	8		
1622	38	1693-xxxx	44	2905-xxx	24		
1622-1	38	1695#	68	2906-xxx	31		
1622-5	38	1697#	68	2908-xxx	24		
1623	37	1710-xx	12	2913-xxx	26		
1623-0	37	1711	13	4229-1	45		
1623-x	37	1721-xx	11	4248-xxx	45		
1624-11	33	1730-xxx	11	4292-8212	43		
1624-21	34	1740-xxx	12	4293-xxx	43		
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1624-51	33	1832#	68	B-3000-x	32		
1624-52	60	18371#	68	B-3001-Kit	32		
1624-61	34	1850-x#	67	BE-525-xx	36		
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22 Shelter Rock Lane, Danbury, CT 06810

T: (800) 487-5389 | F: (888) 799-7200 | info@eschenbach.com