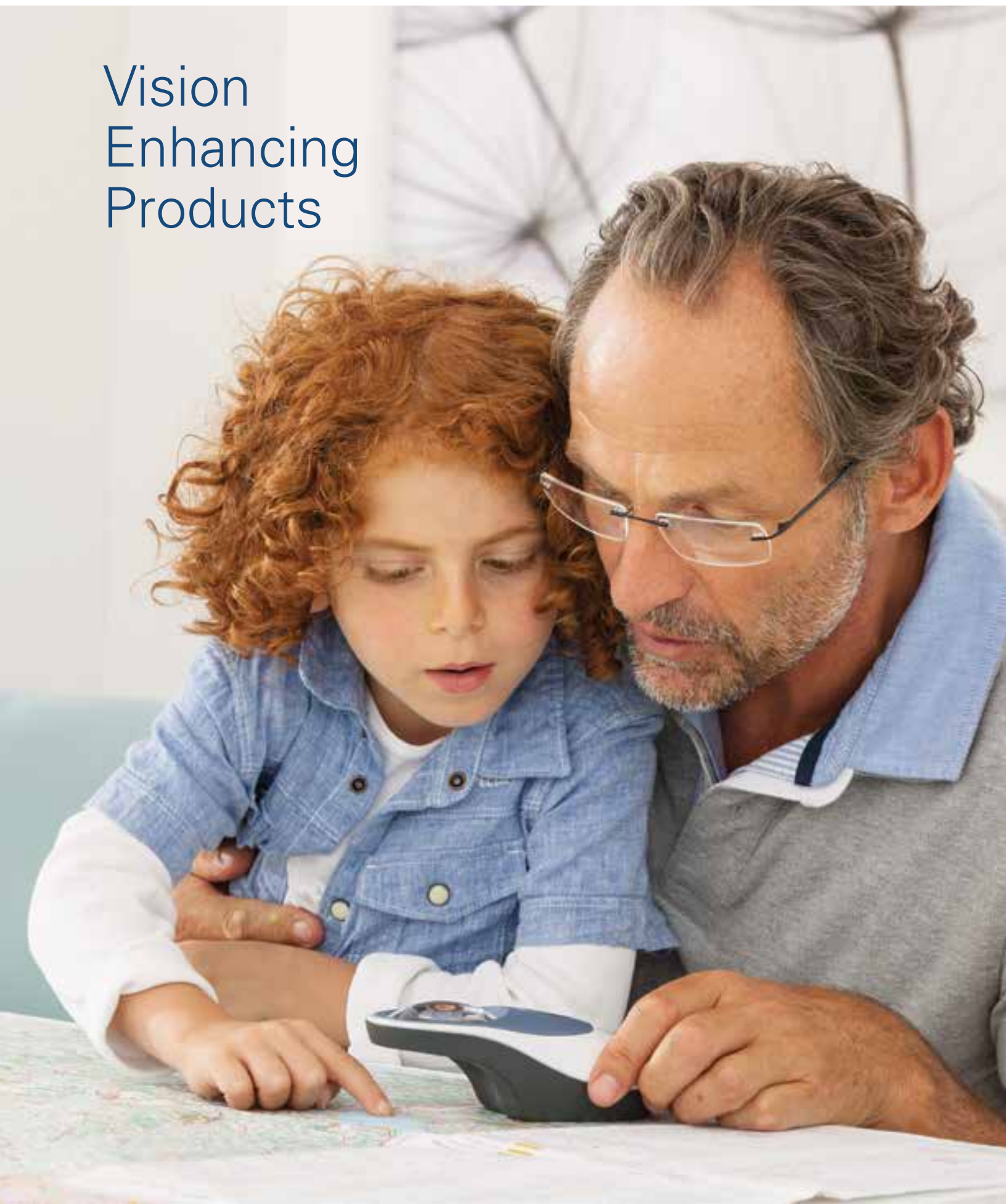


Vision
Enhancing
Products



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 eyewear frames, 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 at its site 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 maximum 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 relaxed vision is once again 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



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 on 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 allow 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 66) which includes a diagnostic assortment of low vision aids along with training and consultative support.



Normal Vision



Macular Degeneration

Only the peripheral part of the retina can be used for vision, as the macula, the area in the retina that is responsible for central vision, is destroyed.



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
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1511-10
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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

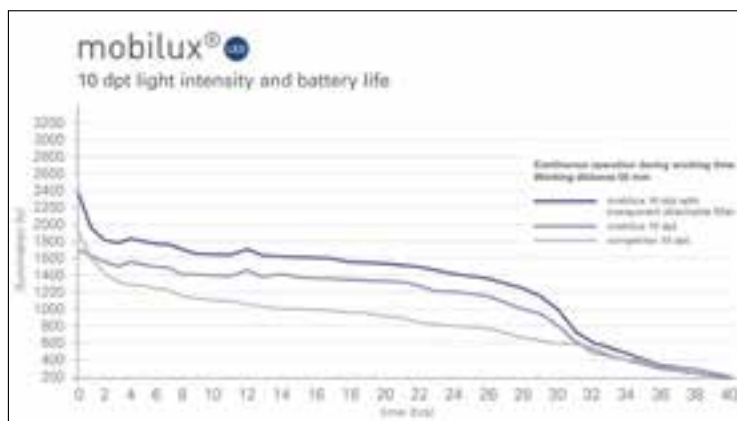
SPECIFICATIONS

- ✚ 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 nine 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:

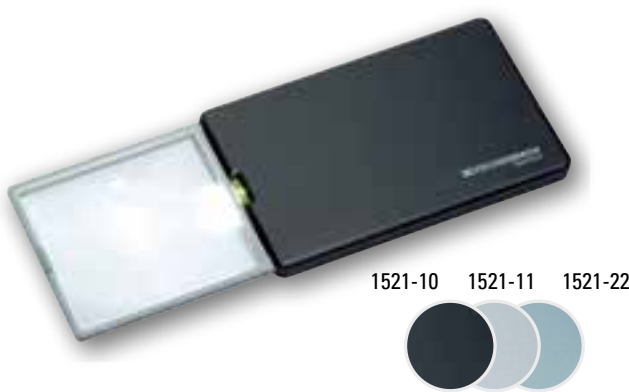
This stand has an additional 1/4" thread in its base. This enables it to be screwed onto a standard flexible tripod (MATF-10C available). The stand enables you to freely adjust the distance of use and it can be used with all Mobilux® LED magnifiers.



1511-003



MATF-10C



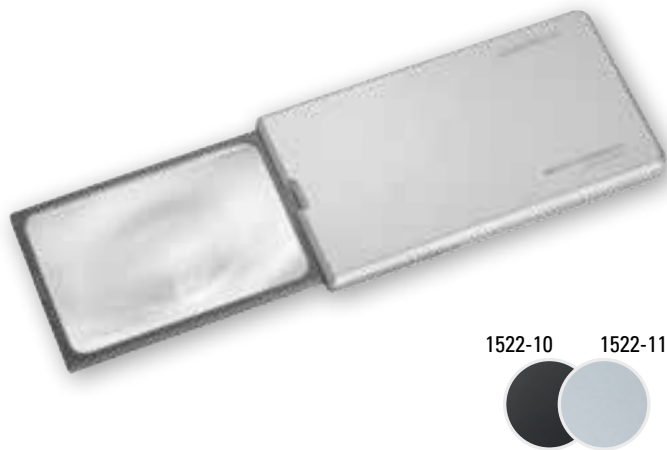
EasyPOCKET

- 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)
- ✚ 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)

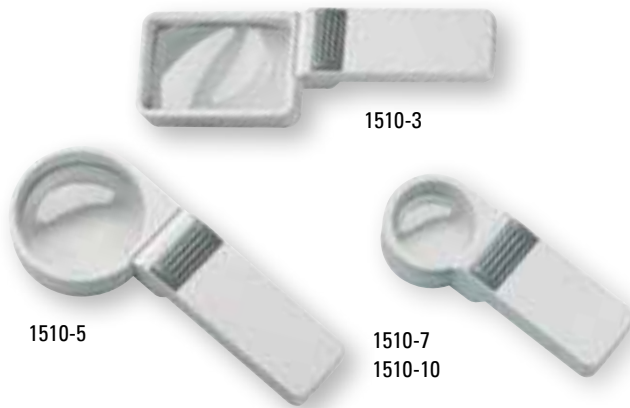


Can also be used as a stand magnifier.

SPECIFICATIONS

- ✚ Illumination: SMD LED
- ✚ Lens Type: Diffractive/aspheric hybrid
- ✚ Lens Material: PXM® plastic
- ✚ Power Source: Flat button battery CR2032 (2)
- ✚ 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



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 (aE: 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.

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)



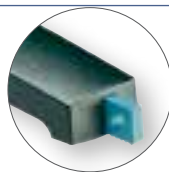
ASPHERIC

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



Medioplan 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



2612-401



2612-801



2612-601



2612-9501

- 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)



2614-65



2614-80



2614-840



2614-150

2872-80
2872-100
2872-1202872-840
2872-1255

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



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



2032

2031

2034

2036

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
2036	100 x 50 mm	2.6x	6



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
1752-260	Pine Green	3.5x	60 mm	10
1752-450	Brown	3.5x	50 mm	10
1752-460	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 cord included with Mobilent / lanyard included with Mobilent LED
- Mobilent (1710) available in three case colors, Mobilent LED (1520) in White only
- Eye-to-lens distance printed on case

SPECIFICATIONS

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

Item	Color	Dimensions	Magnification	Diopter
1710-14	Red	35 mm	4.0x	16
1710-67	Black	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



1711

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



2136-1

2136-2

PENDANT

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

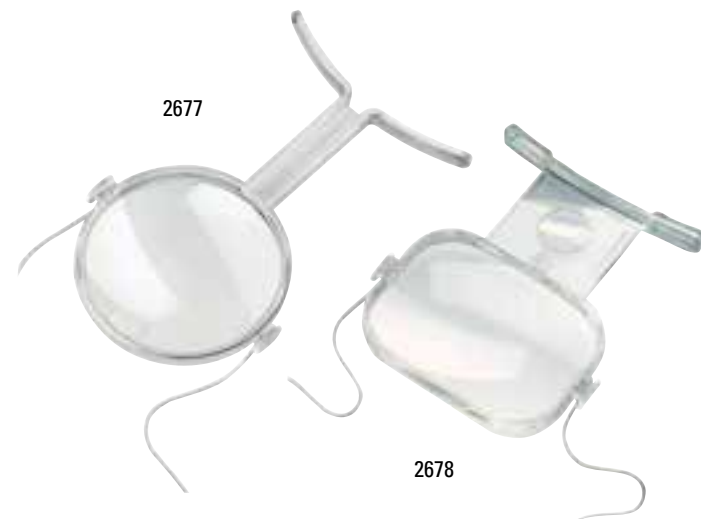
AROUND-THE-NECK

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 for an even larger visual field (can be removed)
- 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 62)

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

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)

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



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



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



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

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	

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)

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

Accessories:

2781-9 Table Base

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



Flexible lens for precise adjustment

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

VarioMAXI

- Features the largest lens in the world
- Provides a full page size field of view
- Swivel range of magnifier head: vertical $\pm 90^\circ$, radial $\pm 90^\circ$
- Lamp can be variably positioned by adjusting the jointed arm
- Easy-to-use on/off light switch on top of magnifier
- 13-watt fluorescent light bulb included (2771-841), optional yellow bulb available (2771-827)
- Table clamp and protective dust cover included

SPECIFICATIONS

- ✚ Illumination: Fluorescent
- ✚ Lens Type: Aspheric
- ✚ Lens Material: PMX® plastic
- ✚ Lens Coating: cera-tec® coating
- ✚ Power Source: Electric (6 ft. cable length)
- ✚ Mount: High grade white plastic
- ✚ Lens-to-Image Distance: 7.87 in.
- ✚ Arm: Extends up to 36"
- ✚ Base: Table clamp included, attached to table 18-74mm thick
- ✚ Warranty: Limited 1 Year

2771-104



Item	Dimensions	Magnification	Dioptr
2771-104	220 mm	1.75x	3



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

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

SPECIFICATIONS

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

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

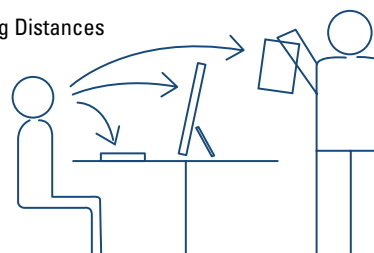


SPECIFICATIONS

- ✚ 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: 3-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	2905-225	Blue	+2.50
2905-025	Gun Metal	+2.50	2905-230	Blue	+3.00
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	2905-325	Red	+2.50
			2905-330	Red	+3.00

Viewing Distances



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



PROGRESSIVE

Miniframe2

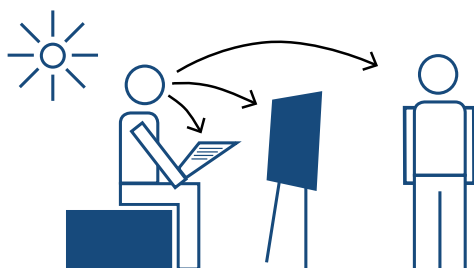
- Provides multiple viewing distances in comparison to single vision readers (see diagram on right)
- Strength decreases by 1 diopter from the bottom of the lens to the top of the lens
- Ready-to-wear readers in 5 different powers
- Temple colors available in Gun Metal, Gold, Blue and Red
- Black felt-lined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

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

Viewing Distances



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 decreases by 1 diopter from the bottom of the lens to the top 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: 3-pc. Display available - see display section



FGX-1015504 - Zera



FGX-1015505 - Charlsie



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, Charlsie, Wes and James
- Black felt-lined hard case included



SPECIFICATIONS

- ✚ Lens Type: Progressive
- ✚ Lens Material: Polycarbonate
- ✚ Lens Coating: A/R Coating
- ✚ Warranty: Limited 1 Year
- ✚ Miscellaneous: 36-pc. Display available - see displays

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

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

Item	Color	Diopter	Item	Color	Diopter
2913-110	Purple	+1.00	2913-210	Anthracite	+1.00
2913-115	Purple	+1.50	2913-215	Anthracite	+1.50
2913-120	Purple	+2.00	2913-220	Anthracite	+2.00
2913-125	Purple	+2.50	2913-225	Anthracite	+2.50
2913-130	Purple	+3.00	2913-230	Anthracite	+3.00
2913-135	Purple	+3.50	2913-235	Anthracite	+3.50
2913-140	Purple	+4.00	2913-240	Anthracite	+4.00

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

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

FOLDING

MicroVision

- Foldable single-vision readers
- Telescoping temples that fold down to a compact size and unfold again to be full size readers
- Scratch-resistant lenses in strengths from +1.50D to +4.00D
- Spring hinge temples and adjustable nose pads
- Satin silver temples with gun metal trim frame
- Crush proof case with magnetic closure (included)



Item	Color	Diopter
FGX-1012189-150	Silver and Gun Metal	+1.50
FGX-1012189-200	Silver and Gun Metal	+2.00
FGX-1012189-250	Silver and Gun Metal	+2.50
FGX-1012189-300	Silver and Gun Metal	+3.00
FGX-1012189-350	Silver and Gun Metal	+3.50
FGX-1012189-400	Silver and Gun Metal	+4.00

SPECIFICATIONS

- ✚ Lens Type: Single vision
- ✚ Lens Material: Optical grade plastic
- ✚ Frame Size: 40 mm
- ✚ Bridge Size: 20 mm
- ✚ Temple Size: 130 mm
- ✚ Warranty: Limited 1 Year



FGX-PE209 - Tasker



FGX-PE213 - Gracie



FGX-PE217 - Thixie



FGX-PE218 - Larz



FGX-PE219 - Hugh



FGX-PE220 - Tigerlilly

PREMIUM SINGLE VISION

Private Eyes

- High quality single vision readers with UV protection
- Available in 6 different frame styles: Gracie, Hugh, Larz, Tasker, Thixie and Tigerlilly
- Black leatherette case included

SPECIFICATIONS

- ✚ Lens Type: Single vision
- ✚ Lens Material: Polycarbonate
- ✚ Lens Coating: A/R coating
- ✚ Warranty: Limited 1 Year
- ✚ Miscellaneous: 36-pc. Display available - see display section

Item	Color	Diopter	Frame
FGX-PE209-100	Brown	+1.00	Tasker
FGX-PE209-125	Brown	+1.25	Tasker
FGX-PE209-150	Brown	+1.50	Tasker
FGX-PE209-175	Brown	+1.75	Tasker
FGX-PE209-200	Brown	+2.00	Tasker
FGX-PE209-250	Brown	+2.50	Tasker
FGX-PE213-100	Tortoise	+1.00	Gracie
FGX-PE213-125	Tortoise	+1.25	Gracie
FGX-PE213-150	Tortoise	+1.50	Gracie
FGX-PE213-175	Tortoise	+1.75	Gracie
FGX-PE213-200	Tortoise	+2.00	Gracie
FGX-PE213-250	Tortoise	+2.50	Gracie
FGX-PE213-300	Tortoise	+3.00	Gracie
FGX-PE213-350	Tortoise	+3.50	Gracie
FGX-PE217-100	Brown Floral	+1.00	Thixie
FGX-PE217-125	Brown Floral	+1.25	Thixie
FGX-PE217-150	Brown Floral	+1.50	Thixie
FGX-PE217-175	Brown Floral	+1.75	Thixie
FGX-PE217-200	Brown Floral	+2.00	Thixie
FGX-PE217-250	Brown Floral	+2.50	Thixie

FRAMES

Item	Frame Size	Bridge Size	Temple Size	Description
FGX-PE209	50 mm	19 mm	135 mm	Rimless, stainless steel temples
FGX-PE213	49 mm	17 mm	135 mm	Plastic frame with spring hinges
FGX-PE217	51 mm	17 mm	140 mm	Metal frame with spring hinges
FGX-PE218	51 mm	18 mm	140 mm	Plastic frame with spring hinges
FGX-PE219	51 mm	20 mm	140 mm	Semi-rimless stainless steel with spring hinges
FGX-PE220	53 mm	16 mm	139 mm	Metal rim with plastic temples

Item	Color	Diopter	Frame
FGX-PE218-100	Black	+1.00	Larz
FGX-PE218-125	Black	+1.25	Larz
FGX-PE218-150	Black	+1.50	Larz
FGX-PE218-175	Black	+1.75	Larz
FGX-PE218-200	Black	+2.00	Larz
FGX-PE218-250	Black	+2.50	Larz
FGX-PE218-300	Black	+3.00	Larz
FGX-PE218-350	Black	+3.50	Larz
FGX-PE219-100	Gun Metal	+1.00	Hugh
FGX-PE219-125	Gun Metal	+1.25	Hugh
FGX-PE219-150	Gun Metal	+1.50	Hugh
FGX-PE219-175	Gun Metal	+1.75	Hugh
FGX-PE219-200	Gun Metal	+2.00	Hugh
FGX-PE219-250	Gun Metal	+2.50	Hugh
FGX-PE220-100	Amber	+1.00	Tigerlilly
FGX-PE220-125	Amber	+1.25	Tigerlilly
FGX-PE220-150	Amber	+1.50	Tigerlilly
FGX-PE220-175	Amber	+1.75	Tigerlilly
FGX-PE220-200	Amber	+2.00	Tigerlilly
FGX-PE220-250	Amber	+2.50	Tigerlilly



FGX-P100



FGX-P200



FGX-P300



FGX-P302



FGX-P301

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



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-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-P300-410	Black/White	+1.00
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

Item	Color	Diopter
FGX-P300-520	Black/Clear	+2.00
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 distance 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

1681-06: Noves Mono Transparent Lens available separately to be used in place of the frosted lens in the Noves Mono System.



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

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.



1681-1Kit

1681-KitOU

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



1681-1KitOU



1682

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 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



1680-14 1680-15 1680-16
1680-18 16801-10



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.

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



1680-1KIT



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



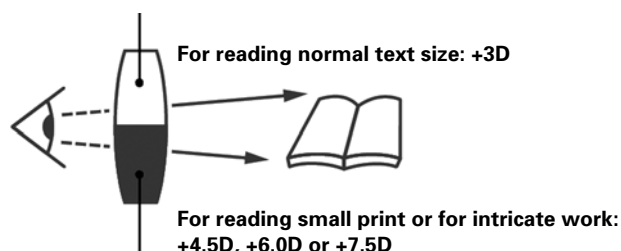
PRISMATIC

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-2204



SPECIFICATIONS

- ✚ Lens Type: Prismatic
- ✚ Lens Material: Injection molded optical plastic
- ✚ Lens Coating: A/R Coating
- ✚ Temple Design: Gold metal
- ✚ Frame Size: 47 mm
- ✚ Bridge Size: 20 mm
- ✚ Temple Size: 140 mm
- ✚ Rx-able: Yes
- ✚ Warranty: Limited 1 Year

Premium Prismatic Eyewear

- Prism Eyewear with higher levels of magnification
- Larger field allows patients to use their peripheral vision
- Lightweight and stylish gold metal frames
- Adjustable nose pads and temples for greater comfort
- Anti-reflective coated lens for maximum light transmission
- Protective hard case included

Item	Diopter/Prism
B-2204-4	4.0 w/6.0D Δ in
B-2204-6	6.0 w/8.0D Δ in
B-2204-8	8.0 w/10.0D Δ in
B-2204-10	10.0 w/12.0D Δ in



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



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.

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



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



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



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



1624-6

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.

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 ∞	160 m/1,000 m
1634-4	4.0x/Binocular	78 cm up to ∞	130 m/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: 1623-01

1623-0 1623-3 1623-4
1623-5 1623-6 1623-8
1623-10 1623-12


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 (1673) 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 78.



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 (x2)

- 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 (x2)

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 (1673) 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)

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 41.



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 (1673) 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)

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 39)
- Roof prism system with multi-coating
- Carrying cord and zippered case included
- Compatible with adapter system 1625 (see page 42)

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°

Further technical information can be found on page 77.



1673-02



1673-03

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 39)

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 39)



1671-1 Finger Ring

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

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

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:

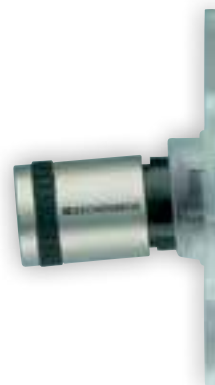
1619	Trial frame adapters (3 assembled)
1621	Galilean 2.2x (2 pieces)
1622-5	Galilean 2.5x
1621-0	Frosted lens
1621-3	Reading Cap 3.0D
1621-4	Reading Cap 4.0D
1621-5	Reading Cap 5.0D
1621-6	Reading Cap 6.0D
1621-8	Reading Cap 8.0D
1621-10	Reading Cap 10.0D
1621-12	Reading Cap 12.0D
1621-16	Reading Cap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



1632-1



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



DVI-TSKit

Diagnostic Galilean Telescope Kit

- Eschenbach partnered with Designs for Vision, Inc. (DVI) to create this modular diagnostic kit of customized Galilean telescopes and trial frames
- Includes 6 telescopes that have been specially designed to snap easily into one of the 4 available test frames
- Helps to determine the optimum mounted telescope solution for patients and demonstrates it to them without the hassle of trial frames
- Convenient “snap-in, snap-out” mechanisms allows for quick demonstration of the functionality and appearance of a custom mounted telescopes before ordering
- Bioptic combinations can be identified that assist low vision patients in viewing magnified distant objects while allowing them to use their spectacle prescription for near

Note: These telescopes can only be purchased with the spring-connect mechanism or as a finished mounted job (to be used as part of the Diagnostic Kit).

Item	Magnification	Field of View	Working Distance
DVI-2.2 BI01	2.2x	12°	∞
DVI-2.2 BI02	2.2x	11°	∞
DVI-2.2 FDTs	2.2x	16°	∞
DVI-2.2 SGTS	2.2x	11°	12 in to ∞
DVI-3.0 SGTS	3.0x	8°	8 in to ∞
DVI-4.0 SGTS	4.0x	6°	8 in to ∞

Contents:

Quantity	Item
3	Focusable DVI Spiral Galilean Telescopes in powers of 2.2x, 3x, and 4x
2	DVI Bioptic Telescopes (2.2x)
1	DVI Afocal Full Diameter Telescope (2.2x)
2	Specially-adapted Eschenbach 1631 frames for full diameter testing
2	Nickel allergy-free titanium Eschenbach Frames (1693) that have been pre-drilled for bioptic testing
2	Trial frame carriers
2	Sets of replacement springs
2	Occluders



DVI-2.2 BI01



DVI-2.2 SGTS



DVI-2.2 BI02



DVI-3.0 SGTS



DVI-2.2 FDTs



DVI-4.0 SGTS



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
- Build-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



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

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

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

SPECIFICATIONS

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

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 ∞

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 ∞

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 ∞

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

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

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

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 and lanyard included

SPECIFICATIONS

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



4248-618

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



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



Fits-over prescription eyewear



Without WellnessPROTECT®



With WellnessPROTECT®

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

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, Supplied with plano lenses only
1666-5916	59 mm	16 mm	140 mm	Large, Gun Metal, Adjustable nose pads, Supplied with plano lenses only





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

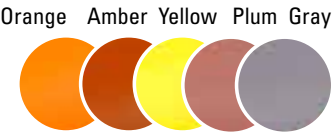
WellnessPROTECT® Testers

- 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



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 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
- 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	64 x 51 mm	137 x 48 mm
TAE-24353	Large	Amber	64 x 51 mm	137 x 48 mm
TAE-24357	Large	Yellow	64 x 51 mm	137 x 48 mm
TAE-2435P	Large	Plum	64 x 51 mm	137 x 48 mm
TAE-24150	Large	Gray P	64 x 51 mm	137 x 48 mm
TAE-27104	Medium	Orange	62 x 43 mm	127 x 38 mm
TAE-27102	Medium	Amber	62 x 43 mm	127 x 38 mm
TAE-27103	Medium	Yellow	62 x 43 mm	127 x 38 mm
TAE-2735P	Medium	Plum	62 x 43 mm	127 x 38 mm
TAE-27101	Medium	Gray P	62 x 43 mm	127 x 38 mm
TAE-25354	Small	Orange	59 x 46 mm	127 x 38 mm
TAE-25353	Small	Amber	59 x 46 mm	127 x 38 mm
TAE-25357	Small	Yellow	59 x 46 mm	127 x 38 mm
TAE-2535P	Small	Plum	59 x 46 mm	127 x 38 mm
TAE-25150	Small	Gray P	59 x 46 mm	127 x 38 mm

Tint Color	Light Blocked	Light Transmittance
Orange	521 nm	32%
Amber	511 nm	10%
Yellow	450 nm	70%
Plum	400 nm	16%
Gray Polarized	400 nm	16%



Yellow Plum Gray



SPECIFICATIONS

- + Lens Material: Polycarbonate
- + Frame Style: Fits over
- + Mount: Plastic
- + Warranty: Limited 1 Year

Solar Shield® ClipFlip

- Clip-on absorptive filters that enhance vision and reduce glare through absorption of the short-wave, energy-rich ultraviolet light and blue components of the spectrum
- Filters clip onto eyewear to provide wrap-around protection and can be flipped up when not needed
- 3 Colors available; Solar Shield® Yellow, Plum and Gray
- 2 Frame sizes; Large and Extra-Large
- Blocks 100% of UVA/UVB light
- Microfiber pouch included

Item	Size	Color	Frame
TAE-10501314	Large	Gray	152 x 50 mm
TAE-10501315	Extra-Large	Gray	152 x 55 mm
TAE-10501316	Large	Amber	152 x 50 mm
TAE-10501319	Extra-Large	Amber	152 x 55 mm
TAE-10501317	Large	Yellow	152 x 50 mm
TAE-10501318	Extra-Large	Yellow	152 x 55 mm



Orange Amber Yellow Plum Gray



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	70%
TAE-6V55C5PT	Plum	400 nm	16%
TAE-6V555ST	Gray Polarized	400 nm	16%

Fits-over

Meridian



Summerwood



Banyan

Wrap around

Tolosa



Malloy



Hunter

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 feature adjustable 'bend-to-fit' temples
- Microfiber pouch included



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

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-3H5607S	Meridian (M)	Black	Yellow	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-3H3653ST	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-3HRT653ST	Tolosa (M)	Tortoise	Amber	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

Tint Color**Light Blocked****Light Transmittance**

Gray	400 nm	15%
Amber	400 nm	15%
Yellow	450 nm	26%

Gray Amber Yellow





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



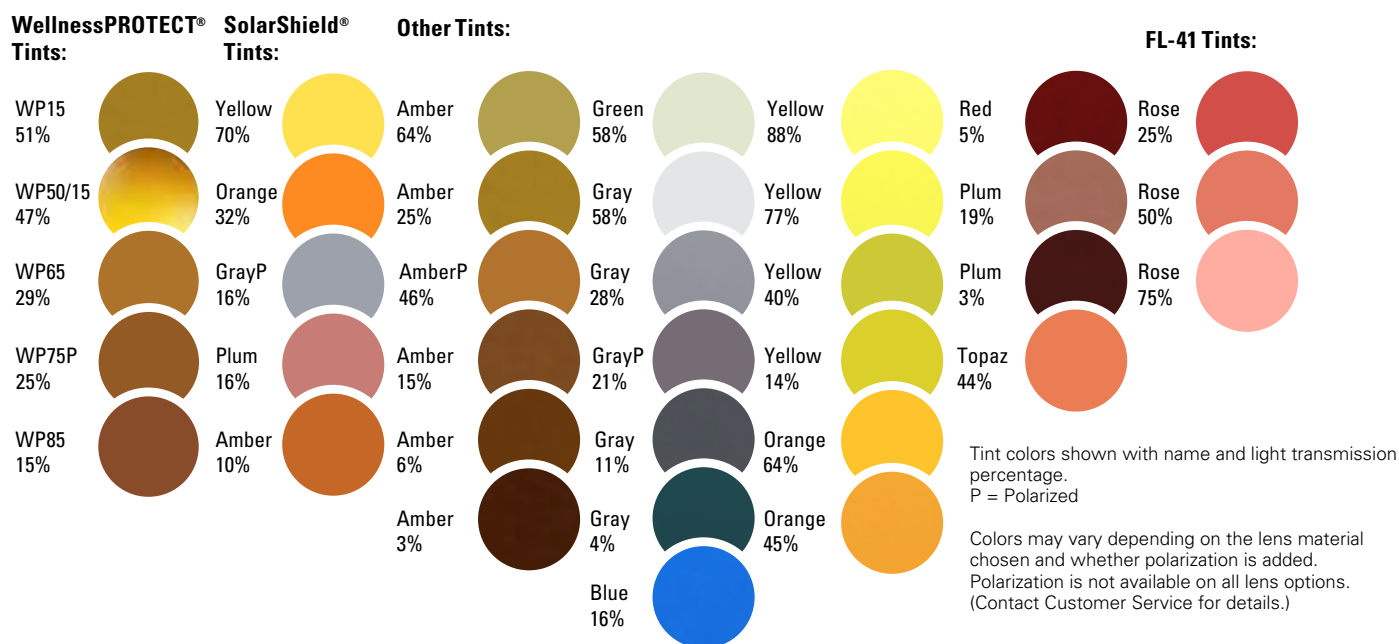
Tint Kit

- Assortment of 36 tint colors for trial purposes
- Sturdy aluminum case with handle
- 2 Custom foam inserts protect contents
- 2 Lens holders included
- 8 Frames included: 6 WellnessPROTECT® and 2 Circuit FLEX
- Tint legend includes light transmission information
- Cleaning cloth included

SPECIFICATIONS

- ✚ Lens Material: Polycarbonate
- ✚ Lens Dimensions: 45 mm (2 of each color)
- ✚ Kit Dimensions: 21 in. x 9.5 in. x 8 in.
- ✚ Warranty: Limited 1 Year

TINTS

**WellnessPROTECT® Tint Information:**

Name	Light Transmitted*	Light Blocked
WP15	51%	450 nm
WP50/15	47%	450 nm
WP65	29%	450 nm
WP75P	25%	400 nm
WP85	15%	450 nm

Solar Shield® Tint Information:

Name	Light Transmitted*	Light Blocked
Yellow	70%	450 nm
Orange	32%	521 nm
Gray P	16%	400 nm
Plum	16%	400 nm
Amber	10%	511 nm

Other Tint Information:

Name	Light Transmitted*	Light Blocked
Amber	64%	400 nm
Amber	25%	400 nm
AmberP	46%	400 nm**
Amber	15%	400 nm
Amber	6%	490 nm
Amber	3%	400 nm
Green	58%	400 nm**
Gray	58%	400 nm**
Gray	28%	400 nm
GrayP	21%	400 nm**
Gray	11%	400 nm
Gray	4%	400 nm
Blue	16%	400 nm

Name	Light Transmitted*	Light Blocked
Yellow	88%	400 nm
Yellow	77%	460 nm
Yellow	40%	400 nm**
Yellow	14%	400 nm**
Orange	64%	400 nm
Orange	45%	520 nm
Red	5%	560 nm
Plum	19%	400 nm
Plum	3%	400 nm
Topaz	44%	400 nm
Rose	25%	400 nm**
Rose	50%	400 nm**
Rose	75%	400 nm**

*Values based on tints being made from polycarbonate lenses. Actual colors and values may vary.

**Minimum value.

DESKTOP

Vario DIGITAL

- Desktop video magnifier with outstanding image quality and compact design
- Easy-to-use menu buttons and turn dials with voice output
- Individually adjustable LEDs for shadow free illumination
- Frame rate of 60fps provides true color image
- Full high definition (FHD) built-in camera with autofocus
- Images can be captured and stored on a removable SD card
- 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: 378 mm × 460 mm × 132 mm (WxHxD)



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
- ✚ Contrast Ratio: 1000 : 1
- ✚ Warranty: Limited 2 Year



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



SPECIFICATIONS

- ✦ Magnification: 2-22x, in steps or continuous zoom
- ✦ Illumination: LED
- ✦ Power Source: Lithium-polymer 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

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"



PEHDCRS10 Swiveling HDMI Mini Cable

- Connect the Canon Vixia Camcorder to the Visolux Digital XL FHD so it can view distance objects
- 1.5 ft. and 3 ft. cords available



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 (1652-10), Visolux Digital HD Bumper (1652-108)
- ✦ Miscellaneous: Display available - see display section

Accessories:

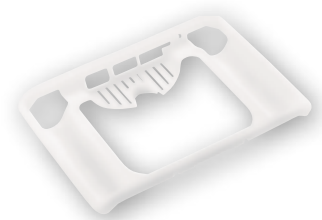
1652-10 Visolux Digital HD Base

- 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



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

Accessories:

1650-1108 Smartlux® Digital Bumper

- Perfect all-round protection
- More secure grip





TASK LIGHTING

Headlight LED

- Small, lightweight and compact LED light with adapters to attach to 3 different products: MaxDetail® (1624-51), Headband Magnifier (1648-xx) and the Stand Combination magnifiers (2031, 2032, 2034, & 2036)
- Light can be concentrated at a specific working distance by means of CPC optics (Compound Parabolic Concentrator)
- Light is focused in a precise and glare-free manner
- Power supply via handy, compact battery housing and cable
- Flexible cable with additional adapter for attaching to eyewear temple
- Virtually 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®





Chameleon Table Lamp

- Lamp provides five different light color options and brightness levels to optimize the viewing environment
- Offers superior illumination with an exceptionally high Color Rendering Index score (94 out of 100) which makes for near perfect contrast and color matching.
- Flexible 28" arm and lamp head rotates 270°
- Cover over the LEDs blocks 65% of blue light (which can cause symptoms of Digital Eye Strain)
- Touch-button operated panel controls the power, color temperature, brightness, night light and automatic shut-off timer
- High-contrast black and white control panel is water resistant and features LED identifiers and audio signal
- Wireless remote controls the power, color temperature and brightness - works up to 20 ft. away
- Lamp turns off after 10 hours if not timer is set
- USB outlet on base for mobile device charging

SPECIFICATIONS

- + Illumination: LED: 5 Color temperature options: 2700 degrees K, 4300 degrees K, 5500 degrees K, 6500 degrees K, 7200 degrees K
- + Power Source: AC; Power plug and cable included
- + Viewing Modes: 5 Brightness settings; 20%, 40%, 60%, 80%, 100%, 10 hour automatic shut-off feature
- + Weight: 4 lbs.
- + Warranty: Limited 1 Year

Brightness Settings



Halogen Desk Lamp

- Features a telescopic arm and a swivel head allows a variety of positions for any task
- 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 (1602-02 bulb included)
- + Power Source: AC
- + Mount: White Plastic
- + Warranty: Limited 1 Year



1605

1605 + 1605-1
Reading Stand with
Guide Rail

ACCESSORIES

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

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



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 (1510's)
- 2 per package

1545 Incandescent Bulb

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

1546 Halogen Bulb

- For stand magnifiers (15xx-7204, 15xx-9204, 1592-04, 1599-204, 1591-704)
- 2 per package



1544



1545



1546



1602-2

2771-827
2771-841

1602-2 Halogen Bulb

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

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

Replacement Batteries

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



C-100

VISION CHARTS

Near Reading Card

- 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 notation, dioptric power requirement and magnification requirement
- Snellen Acuity Range: 20/50-20/800

To use: Have the patient read the chart, holding it at a comfortable reading distance 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).



C-300

Continuous Text Low Contrast Chart

- 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



C-Sim Kit 4

Simulator Kit

- 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



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.



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



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 (1624-6), 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, 2 reading charts
- 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	1652-1	Visolux Digital
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	1566	Visolux+
1	1624-11	MaxTV®
1	1624-21	MaxTV® Clip
1	1624-51	MaxDetail®
1	1624-6	MaxDetail® Clip
1	1634	Galilean 3x Telescope
1	4293-xxx	Monocular 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; 1710-14 (4x), 1710-67 (7x), 1710-910 (10x) Mobilent pocket magnifiers; 1740-x30 (6x), 1752-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), 1681-3-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

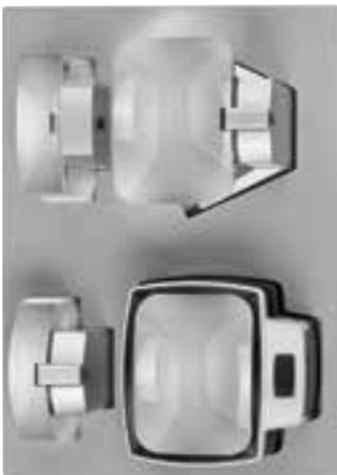
Contents: 1511-3 (3.5x), 1511-5 (5x), 1511-7 (7x), 1511-10 (10x) Mobilux® LED Magnifiers, 1511-001, 1511-002, 1500-003, 1500-004 Mobase Stands and 1881-43 custom insert.



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.



1883-3#

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.



1883-1#

MaxTV®/ MaxDETAIL® Half Tray

Contents: 1624-11 MaxTV®, 1624-21 MaxTV® Clip, 1624-51 MaxDetail®, 1624-6 MaxDetail® Clip and the 1883-13 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 magnifiers (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-PEDISPLAY

Private Eyes Display

- 36-piece display with mirror and mini eye chart
- Dimensions: 20.5" H x 12" W x 10" D
- Free with purchase of any 36 Private Eyes reading glasses
- Assortment available with product (FGX-PE2372)



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® Display

- 6-piece brushed metal table-top display
- Dimensions: 22" H x 9" W x 8" D
- Free with purchase of any 9 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







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

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

* final value not yet available at time of printing

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	220 m / 1,000 m	12.5°	150 to ∞	9.0	28.0	3.2/13	± 9
	3.40 x	Near	26 mm / 150 mm	10.0°				2.8/10.5	
1673-2	4.20 x	Distance	175 m / 1,000 m	10.0°	200 to ∞	10.0	29.0	2.4/13.5	$\pm 40/-30$
	5.50 x	Near	25 mm / 200 mm	7.2°				2.2/9.5	
1673-3	4.20 x	Distance	220 m / 1,000 m	12.5°	200 to ∞	12.0	47.0	2.9/11.5	± 12
	5.00 x	Near	32 mm / 200 mm	9.2°				2.1/9.5	
1673-4	6.00 x	Distance	162 m / 1,000 m	9.3°	250 to ∞	16.0	57.0	2.7/7	± 18
	7.60 x	Near	26 mm / 250 mm	6.0°				2.0/6	
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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Illuminated magnifiers, System VarioPLUS and Powerlux specifications



Technical information for fitting Eschenbach Optik System VarioPLUS illuminated magnifiers and Powerlux.

Item	Magnification	Diopter [D]=1/f	Lens Size Ø/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	18.3	2.8
1550	10.0 x	38.0	0 35	as	400	19.5	360	40	12.4	2.8
1551	7.0 x	28.0	0 35	as	400	29.3	340	60	10	2.9
1552	6.0 x	24.0	0 50	as	400	31.5	300	100	7.8	3.3
1553	5.0 x	20.0	0 58	as	400	36.0	260	140	5.9	3.9
1554	4.0 x	16.0	0 70	as	400	45.0	250	150	4.7	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	2.2/3.2*	4.8
1581	3.9 x	11.4	100/50	as	400	46.0	200	200	2.7	5.0
1582	2.8 x	7.0	100/75	as	400	61.5	150	250	2/2.8*	6.7/5.6*
Powerlux										
1586-14, -141	3.5 x	14.0	0 58	as	400	39.7	156	250	3.3	6.4
1586-20, -201	5.0 x	20.0	0 58	as	400	36.0	260	140	5.3	3.9
1586-28, -281	7.0 x	28.0	0 58	as	400	24.8	320	100	8.3	3.1

*Without and with flip-up lens engaged, respectively

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.

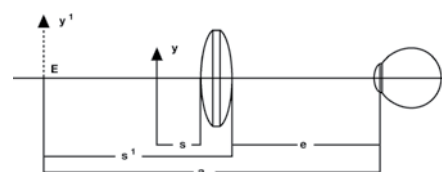
Lens Size	Magnification (ISO/CEN)	Diopter	 mm	 mm
35	12.5 x	50.0	15	40
35	10.0 x	38.0	20	40
35	7.0 x	28.0	29	60
50	6.0 x	24.0	31	100
58	6.0 x	24.0	31	100
58	5.0 x	20.0	36	140
58	4.0 x	16.0	44	150
70	4.0 x	16.0	45	150
60	4.0 x	16.0	44	150
60	3.0 x	12.0	49	250
75/50	4.0 x	16.0	44	180
75/50	3.5 x	10.0	50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



a_E = 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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