LOW VISION AIDS
AND MAGNIFIERS
Catalogue 2012
The aim of this catalogue is to demonstrate a competitively priced range of low vision aids (LVA) devices to work alongside non optical care. Not only for people who are partially sighted, but also for normally sighted people to use at work, around the home, or in leisure and hobby activities where magnification is required.

The number of people with low vision in the UK is expected to double to four million by 2050. Of the current two million, around 370,000 people are on the blind or partially sighted registers in England and Wales. It is estimated that there are 25,000 children under 16 who have a significant visual impairment. This shows that for every person on these registers there are possibly another 3 or 4 people who are unidentified but in need of low vision support.

The rise in numbers is due to various factors, including obesity, diabetic retinopathy, cataract AMD and old age. 50% of the over 90s are living with sight loss. The appropriate appliance, spectacles or a low vision aid would utilise their vision and potentially enhance their life style. As there is no cure for AMD expected in the foreseeable future, early detection, adaptation to using LVAs, and local access have never been more important.

Today there is a wide range and types of optical LVAs available to people with low vision, in various strengths, powers and designs. Many patients have a general understanding of the term magnifiers, but may not be aware of the phrase ‘low vision aids’, which includes magnifiers and specialist tints and coatings such as the PLS (UV)600 and the VISTA-MESH lens, what they are used for, and how to use them efficiently. This catalogue contains a wide range of products; wherever possible both the equivalent power and magnification are stated. In the majority of cases the magnification stated is nominal magnification.

LVA devices can also take the form of a non-optical format, eg. anti-glare filters, electronic LVA devices like Close Circuit Television (CCTV) or video magnifiers. These electronic devices have recently developed significantly and can provide features and performance not possible with conventional appliances. All have the same purpose: to increase the size of an image and make things easier to see.

It is important that people with low vision make the best use of their sight; magnifiers and other low vision devices enable them to see and do everyday tasks more easily and to lead independent lives.
GLOSSARY OF TERMS

A simple explanation of some of the technical terms used.

**AMD** .......Age-related macular degeneration (also called ARMD), the most common cause of sight impairment in later life.

**Ametropia** .......In need of spectacle correction, this term covers astigmatism, long and short sightedness.

**Aspheric** .......A complex surface curve used to minimise lens aberrations.

**Bi-aspheric** .......Bi-aspheric means an aspheric curve applies to both surfaces.

**Field of view** .......How wide an area you can see, e.g. how many words on a page you are able to see with each magnifier.

**Focal length** .......Decided by the power of the lens, it is shorter for stronger lenses. It is the distance at which the lens focuses light from a source.

**LED** .......Light emitting diode (a type of light source giving a white light).

**Lens aberrations** .......These are the annoying curving, distorting and rainbow effects seen at the edges of a magnifier.

**Lens aperture** .......The diameter of the lens.

**Low vision** .......An eye care professional who specialises in assessing sight impaired users and prescribes magnifying aids, usually an optician.

**LVA** .......Low vision aid.

**Presbyope** .......A person who has normal sight but has reached the stage of middle & presbyopia age where reading glasses are needed, a normal part of the ageing process in the eye.

**Residual vision** .......The vision that a sight impaired person has left (or Remaining vision).

**Task lighting** .......Having a lamp close to and pointing at what you are looking at. A specialist lamp used for near or close-up tasks.

**Working distance** .......The distance between your eye and the thing you are looking at.
BI-CONVEX HAND HELD MAGNIFIER
Transparent plastic frame, lightweight lens. Magnifiers c, d, e and h have an additional lens in the handle.

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<td>b</td>
<td>261480</td>
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<td>c</td>
<td>261240</td>
<td>40mm</td>
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<tr>
<td>d</td>
<td>261260</td>
<td>60mm</td>
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<td>e</td>
<td>2612801</td>
<td>80mm</td>
<td>2.25x</td>
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<tr>
<td>f</td>
<td>2614150</td>
<td>100 x 50mm</td>
<td>2x</td>
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<td>g</td>
<td>2614840</td>
<td>80 x 40mm</td>
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<td>h</td>
<td>26129501</td>
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OMEGA BIFOCAL HAND HELD MAGNIFIER

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<td>a</td>
<td>1110-P</td>
<td>50mm</td>
<td>3x/4.5x</td>
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<tr>
<td>b</td>
<td>1120-P</td>
<td>65mm</td>
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<td>c</td>
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<td>e</td>
<td>1150-P</td>
<td>100mm</td>
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COMPACT HAND
Lightweight design with ergonomic handle, plastic bifocal lens.

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<td>1550-P</td>
<td>75mm</td>
<td>2x and 4x</td>
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OMEGA BIFOCAL HAND HELD MAGNIFIER

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<td>e</td>
<td>1150-P</td>
<td>100mm</td>
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PREMIERE HAND HELD MAGNIFIER

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<tr>
<td>b</td>
<td>1431</td>
<td>75mm</td>
<td>2.5x</td>
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<tr>
<td>c</td>
<td>1441</td>
<td>90mm</td>
<td>2.5x</td>
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<tr>
<td>d</td>
<td>1451</td>
<td>100mm</td>
<td>2x</td>
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RECTANGULAR HAND HELD MAGNIFIER

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<tr>
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<td>1510</td>
<td>40 x 75mm</td>
<td>2.5x</td>
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<tr>
<td>b</td>
<td>1520</td>
<td>45 x 90mm</td>
<td>2.5x</td>
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<tr>
<td>c</td>
<td>1530</td>
<td>50 x 100mm</td>
<td>2x</td>
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ASPHERIC OMEGA HAND HELD MAGNIFIER
Plastic frame. Aspheric hardcoated plastic lens.

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<tr>
<td>a</td>
<td>AS-14</td>
<td>90mm</td>
<td>3.5x</td>
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**HAND/STAND MAGNIFIER**
Lightweight design with ergonomic handle.

- a 2031 100 x 50mm 2.6x
- b 2032 100 x 75mm 2.8x
- c 2034 75 x 50mm 3.5x
- d 2036 100 x 50mm 2.6x
- e 20501 60mm 2.5x

**APLANATIC**
Ergonomic shape handle for comfortable grip. Special lens design which is distortion free right up to the edge.

- a 266850 90 x 50mm 4.5x
- b 266860 90 x 60mm 3.8x
- c 266875 90 x 75mm 2.9x
- d 266850 90 x 50mm 2.7x

**SHEET MAGNIFIERS**
Flat sheet Fresnel magnifiers. Protective case included with a & b.

- a 184 55 x 85mm 3.5x
- b 019 78 x 150mm 2x
- c 020 215 x 280mm 2x

**NEWS READER 1000 NEW**
Fresnel magnifier in mount with hand grip. Main lens 168 x 119mm, x2 magnification with x4 round 34mm inset portion

- a 15112 60mm 3x
- b 15113 75 x 50mm 3.5x
- c 15114 60mm 4x
- d 15115 58mm 5x
- e 15117 35mm 7x
- f 151110 35mm 10x
- g 151112 35mm 12.5x

**ILLUMINATED MAGNIFIER**
Plastic bodies with glass lenses on a, b and d. Plastic lens with D shape bifocal on c. Battery powered illumination.

- a L170 90mm 2.5x
- b L150 65mm 3x
- c L170-P 90mm 2x/4x
- d HL60 60mm 3x

**MOBILUX LED NEW DESIGN**
This new design is lightweight with an ergonomic handle, a large light switch and white LED light. Scratch resistant aspheric lenses. Protective case.

- a 15112 60mm 3x
- b 15113 75 x 50mm 3.5x
- c 15114 60mm 4x
- d 15115 58mm 5x
- e 15117 35mm 7x
- f 151110 35mm 10x
- g 151112 35mm 12.5x

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Email: sales@.norville.co.uk
POWERLUX \textbf{NEW}

Available in two different light temperatures. Two opposed position LEDs give shadow-free illumination. Auto switch off function.

- \textbf{a} 158614 58mm 3.5x 8000k (cold light)
- \textbf{a} 1586141 58mm 3.5x 3000k (warm light)
- \textbf{a} 158620 58mm 5x 8000k (cold light)
- \textbf{a} 1586201 58mm 5x 3000k (warm light)
- \textbf{a} 158628 58mm 7x 8000k (cold light)
- \textbf{a} 1586281 58mm 7x 3000k (warm light)

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ILLUMINATED STAND MAGNIFIER

Metal and plastic bodies with glass lenses. Battery powered illuminated cups.

- \textbf{a} M170 30mm 7x
- \textbf{b} M335 45mm 3.5x
- \textbf{c} M320 80mm 2x
- \textbf{d} M50 45 x 90mm 2.5x

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SYSTEM VARIO LED

Lightweight design with ergonomic handle and LED illumination.

- \textbf{a} 155074 35mm 10x
- \textbf{b} 155394 58mm 5x
- \textbf{c} 155494 70mm 4x
- \textbf{d} 155774 45 mm 12.5x
- \textbf{e} 158064 100 x 50mm 3x
- \textbf{f} 158264 100 x 75mm 2.8x

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ASPHERIC STAND

Aspheric hardcoated lenses.

- \textbf{a} 2626 50mm 6x
- \textbf{b} 2628 35mm 2.5x
- \textbf{c} 263611 2.8x (detachable second lens)
- \textbf{d} 26367 2.8x

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HI POWER STAND

Cantilever stand construction allows access for working or writing underneath. Tilting Head.

- \textbf{a} 5213 81mm 3x
- \textbf{b} 5214 80mm 4x

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MENAS LUX ILLUMINATED STAND \textbf{NEW}

Ultra flat design with large visual field. Integral illumination.

- \textbf{a} 143830 63mm 3x
**STAND**
Metal base with glass lens.
a 1630 75mm 2.5x

**MINI STAND**
Mini glass lens mounted on small metal base.
b 7030 28mm 10x

**FLEXISTAND**
Glass lens on flexible arm mounted on metal base.
c 1650 90mm 2.5x

**G-CLAMP FLEXI**
Metal construction with glass lens on flexible arm with G-clamp.
d 1780 130mm 1.8x

**GOOSE NECK**
Plastic easibend gooseneck mounts. Hard coated plastic lens with D segment.
a 1720-PC 100mm 2x/4x Bifocal lens
b 1720-PS 100mm 2x/4x Bifocal lens
c 1730 140 x 193mm 1.8x Fresnel lens

**EMBROIDERY**
Plastic hard coated lens with D shape bifocal.
a 6500P 100mm 2x/4x

**WIDE VIEW STAND**
Hard coated plastic lens with additional 4x and 7x magnification lenses.
a 1795 110 x 145mm 1.8x

**BOOKSTAND MAGNIFIER DZ5**
Adjustable angle and focal distance with page grip,
Size: 250 x 300mm, 1.8x Fresnel lens
a DZ5 1.8x

**VTM LINE READER & VTM CLEAR READER**
The Clear VTM reader has darkened edges and clear centre section for increased contrast, where the VTM Line reader has a reading line to align with text. Either style is available in red or blue, has a durable soft grip surround and comes complete with a protective sleeve.
a 110mm 1.1x Clear
b 110mm 1.1x Reading line

**DIRECTORY**
Pearl line. Protective sleeve included.
a 750 25 x 150mm 2x

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### TWEEZERS WITH MAGNIFIER
Storage pouch included.

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<tbody>
<tr>
<td>a</td>
<td>1960</td>
<td>30mm</td>
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### METAL POCKET
Glass lenses in a metal swivel body. Storage pouch included. Leather pouch on c.

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<tr>
<td>a</td>
<td>7060</td>
<td>25mm</td>
<td>8x</td>
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<tr>
<td>b</td>
<td>7070</td>
<td>20mm</td>
<td>3x, 4x, 5x (3 lenses)</td>
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<tr>
<td>c</td>
<td>7090</td>
<td>15mm</td>
<td>20x Achromatic lens</td>
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### METAL POCKET
Glass lenses folding into protective pocket.

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<tr>
<td>a</td>
<td>171014</td>
<td>35mm</td>
<td>4x</td>
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<tr>
<td>b</td>
<td>171067</td>
<td>35mm</td>
<td>7x</td>
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<tr>
<td>c</td>
<td>1710910</td>
<td>35mm</td>
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### DESK LENS
Clear sided magnifier maximising natural light. Glass or plastic.

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<tr>
<td>a</td>
<td>1880</td>
<td>Glass lens</td>
<td>60mm</td>
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<tr>
<td>b</td>
<td>1885</td>
<td>Plastic lens</td>
<td>50mm</td>
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### METAL POCKET
Glass lenses folding into metal protective sleeve. Leather sleeve on c.

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<td>3120</td>
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<td>b</td>
<td>3122</td>
<td>65mm</td>
<td>3x</td>
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<tr>
<td>c</td>
<td>3135</td>
<td>50mm</td>
<td>3.5x</td>
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<tr>
<td>d</td>
<td>3180</td>
<td>45 x 65mm</td>
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### SLEEVE POCKET
Glass lens folding into metal protective sleeve.

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<tr>
<td>c</td>
<td>7950</td>
<td>36mm</td>
<td>4x</td>
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<tr>
<td>d</td>
<td>7960</td>
<td>36mm</td>
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### SLEEVE POCKET
Glass lens folding into rigid protective sleeve.

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<td>Plastic lens</td>
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### DEK LOUPE
Glass lens, plastic mount.

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### TWEEZERS WITH MAGNIFIER
Storage pouch included.

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LINEN TESTER
Scale marked in mm and 1/8th inch up to 25mm. Metal construction with glass lens.

a 7550 6x

SCALE LOUPE
Glass Achromatic lenses. Removable scale on b, c and d.

b SL7A 7x Scale 0-20mm in 0.1mm steps
c SL10 10x Scale 0-10mm in 0.2mm steps
d SL15 15x Scale 0-6mm in 0.1mm steps

PENDANT
Glass lens in silver or gold colour mount. Presentation case included.

a 323S 35mm 4x Silver
b 323G 35mm 4x Gold

MONOCULAR
Closed size: 70mm. Rubber eyecup.

a Evolution 40 4x 12 16cm – Infinity
b Evolution 50 5x 10 25cm – Infinity
c Evolution 60 6x 16 25cm – Infinity

d 7550 6x

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SPECTACLE BINOCULAR
Hard case and cleaning cloth included.
a HF10B  2.5x

CLIP-ON BINOCULAR
Hard case and cleaning cloth included.
b HF20B  2.5x

CLIP-ON SPECTACLE TELESCOPE
Achromatic Keplerian telescope. Convenient clip to attach to the user's glasses. Focuses from 12" to infinity.
a MC282RC  28mm  2.8x

HEAD BINOCULAR
1.8x fixed lens, plus 2.5x flip up lens to give total of 3.3x
a BM110  1.8x/2.5x

ADDITIONAL HIGH POWER LENSES
b BM100 B1  2.3x, BM100 C1  2.7x, BM100 D1  3.5x

MEGAVIEW MG3
Unit consists of three interchangeable, hard coated acrylic lenses.
• 2x, 2.5x, 3x
• Focal Length: 300mm, 250mm, 150mm.

MEGAVIEW MG20
Lightweight and comfortable, unit consists of four interchangeable, hard coated acrylic lenses. LED illumination, adjustable headband.
• 2x, 2.5x, 3x, and 4x monocular.
• Focal Length: 280mm, 200mm, 140mm, 65mm.
• Takes 3 AAA batteries
PEBBLE
- Adjustable magnification of 2x to 10x
- Lightweight 7.7 ounce design
- 3.5” high resolution LCD display
- Adjustable brightness
- Easy-to-use tactile controls
- 6 viewing modes

AMIGO
- Slim (less than 2”) and lightweight (1.3 lbs.)
- Digital magnification from 3.5x to 14x
- Large field of view
- Large viewing screen - 165mm
- Removable standard battery with internal charger (spare battery included)
- 6 viewing modes, including 2 Colour Select options
- Writing stand and Carrying Case
- Connects with TVs for increased magnification
- Freeze frame function.

LOOKY
- Can be used at home, at work, at school or out and about
- LCD display 3.5 inches
- Magnification between 3 and 8 times
- Only 200 grams
- Folding handle
- User-friendly - only 2 buttons
- Camera in the middle of the monitor, so you see immediately what you want to examine
- Easily adjusted to a position which aids the user in writing
- Equipped with rechargeable batteries. Also works with regular batteries
- A handy carrying case with a free key cord
- Full colour, black/white or white/black modes
- Freeze frame function. This enables the user to freeze the image on the LCD screen, making viewing easier.

COMPACT+
- Single button controls magnification and viewing modes
- Snapshot button takes a temporary picture
- 5x, 7.5x and 10x Magnification
- 4.3 inch LCD Screen
- 5 viewing modes
- Collapsible handgrip for extra support
- Mains adaptor, rechargeable batteries, neck cord & carrying pouch all included.

MAX
For a powerful and affordable digital magnifier that is simple to use, look no further than Max. Use this lightweight, hand-held portable device on any straight or curved surface to magnify images and text from 15x to 28x! Move Max over books, newspapers, magazines or even medicine labels and read with ease. Max connects quickly to any TV or monitor and is ideal for use at work, school or even on holiday.

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