Product solutions for

Improved Vision

Valid as per July 2015

SCHWEIZER
Der LowVision-Spezialist

ImproVision
LowVision Solutions
At a glance …

SCHWEIZER headquarters in Forchheim/Germany with a production area of 5500 m²

Do you have questions about our products or do you need further information? Please give us a call. We have just the specialist expertise you need!

**Hotline**

<table>
<thead>
<tr>
<th>Phone</th>
<th>+49-9191-72 10 56</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax</td>
<td>+49-9191-72 10 73</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:info@improvision-lvs.com">info@improvision-lvs.com</a></td>
</tr>
</tbody>
</table>
ImproVision offers …

… global access to SCHWEIZER’s leading range of product solutions for improved vision in addition to ImproVision's own distinctive range of high addition spectacles and light protection spectacles.

Our highly specialised country distributors do not only import and store our products for fast delivery, but also receive regular and comprehensive training from our experts for improved vision. This network of national distributors is continuously being expanded for the benefit of local eye care professionals and their customers in a growing number of countries.

Eye care professionals can select the ideal product tailored to meet the particular needs and abilities of patients as well as their remaining visual acuity.

More …

…about us and our range of product solutions can be found at

www.improvision-lvs.com

or

www.schweizer-optik.co

ImproVision is a subsidiary of SCHWEIZER and services the company’s global export activities. Originally founded as a glass grinding company in Germany in 1840, SCHWEIZER has since developed from a manufacturer of optical products into the leading European supplier of product solutions for people with sight impairments.

Since 1945, the company has also been producing magnifiers. New and innovative products are continually being added to the SCHWEIZER portfolio.

Experience, competence, customer satisfaction and not least the tireless dedication of its employees have made SCHWEIZER into the leading specialist for improved vision. For instance, SCHWEIZER was the first company worldwide to bring modular magnifier systems with interchangeable magnification heads to market. At the end of the nineties, SCHWEIZER produced the world’s first LED illuminated magnifier.
Additional world premieres have included the development of a comprehensive ergonomic magnifier line and the first magnifier series made from an anti-bacterial material. The user-friendly products have always been and still are at the forefront of product solutions for improved vision.

The extensive training and seminar program is another pillar of SCHWEIZER's success. The seminars and workshops are designed to train eye care professionals in the dispensing and fitting of low vision aids. The courses are held by qualified specialists with extensive experience in low vision fitting who can provide the necessary know-how in condensed form.
The retinal image can be enlarged by reducing the distance between the object and the eye below the normal reading distance (relative distance or approach magnification).

However, the presbyopic eye is no longer able to focus on objects at such a close distance. This loss of accommodative ability requires corrective optics such as high addition spectacles.

Patients with binocular potential need glasses with base-in prisms to support convergence.
Prismatic half-eye spectacles

**IV PRISMATIC**

Prismatic half-eye spectacles with a pair of high addition lenses including convergence supporting prisms for binocular close distance magnification.

- Spherical CR 39 lenses
- Black matt PA polymer frame in size 43-25
- Frame size and power printed inside temple
- Supplied with protective case
- Made in the European Union

<table>
<thead>
<tr>
<th>IV PRISMATIC</th>
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<tbody>
<tr>
<td>IV80200  +3.00 D</td>
<td>IV80203+6.00 D</td>
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<tr>
<td>IV80201  +4.00 D</td>
<td>IV80204+7.00 D</td>
<td></td>
</tr>
<tr>
<td>IV80202  +5.00 D</td>
<td>IV80205+8.00 D</td>
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</table>

**IVBOXHA** Trial box IV High Additions
Contents: 1 each of IV PRISMATIC/IV MICROSCOPIC, total 12 half-eye spectacles

**IVBOX12** Trial box IV for 12 IV half-eye spectacles
Contents: 12 IV PRISMATIC/IV MICROSCOPIC spectacles of your choice
Microscopic half-eye spectacles

**IV MICROSCOPIC**

Microscopic half-eye spectacles with one high addition lenticular lens and one CR 39 plano lens on the other side for monocular close distance magnification.

- Spherical CR 39 lenses
- Black matt PA polymer frame in size 43-25
- Frame size and power printed inside temple
- Supplied with protective case
- Made in the European Union

### IV MICROSCOPIC

<table>
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<tr>
<th>SKU</th>
<th>Lens Power</th>
<th>Side</th>
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<tr>
<td>IV80220</td>
<td>+12.00 D OD</td>
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<tr>
<td>IV80221</td>
<td>+12.00 D OS</td>
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<td>IV80225</td>
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### Trial box IV High Additions

**IVBOXHA**

Contents: 1 each of IV PRISMATIC/IV MICROSCOPIC, total 12 half-eye spectacles

### Trial box IV for 12 IV half-eye spectacles

**IVBOX12**

Contents: 12 IV PRISMATIC/IV MICROSCOPIC spectacles of your choice
Magnifiers are one of the traditional aids to improve vision and are thus a preferred solution for visually impaired people.

They are used wherever it is necessary to enlarge an image. Be it for reading, in cases of reduced visual acuity, or to see details more clearly in hobby or leisure activities.

Illuminated magnifiers combine such an enlarged image with the advantages of optimised lighting. Individually tested light temperatures maximise reading comfort. Patients achieve better visual acuity with good and appropriate lighting.
LED illuminated hand magnifiers

- **ERGO-Lux MP mobil**

Portable lifestyle magnifier with 4-chip SMD LED and Multi-Power light option.

- Easy-to-feel boost switch provides audible feedback when operated and controls 2 brightness levels for optimised lighting.
- High contrast, even spread of light thanks to ideal adjustment of light intensity.
- Individually tested light temperatures improve reading performance.
- Ergonomic design and soft-touch zone for extra grip strength and pleasant feel in timeless white/charcoal grey.
- Low energy consumption and easy battery replacement thanks to simple closing mechanism in the handle which locks with a distinct click.
- Convenient integrated lanyard loop.
- Aspheric lightweight lenses.
- Supplied with microfibre pouch.
- 3 AAA alkaline batteries required.

**Box 1 ERGO-Lux MP mobil**

| 162012 | 164012 | 166012 |
| Box Contents: | 12 D Ø 35 mm, 10 D Ø 50 mm, 8 D Ø 85 mm, 8 D 100x75 mm, 6 D Ø 100 mm |

**Box 2 ERGO-Lux MP mobil**

| 162022 | 164022 | 166022 |
| Box Contents: | 28 D Ø 35 mm, 24 D Ø 55 mm, 20 D Ø 55 mm, 16 D Ø 35 mm, 16 D Ø 60 mm, 12 D Ø 70 mm |
Universal display

Black coated metal display with exchangeable A4-sized insert. Comes with 3 magnetic holders for ERGO-Lux MP mobil. Can also be used without holders to present other SCHWEIZER products.

Carton display 5 ERGO-Lux MP mobil

Contents: 12 D Ø 35 mm, 10 D 75x50 mm, 8 D Ø 85 mm, 8 D 100x75 mm, 6 D Ø 100 mm, 20 consumer flyers
Approx. size (WxHxD): 27.5x28.0x16.5 cm

Light temperatures: 2700 K 4500 K 6500 K

12 D / Ø 35 mm
12 D / Ø 70 mm
10 D / 75x50 mm
8 D / Ø 85 mm
8 D / 100x75 mm
6 D / Ø 100 mm

Carton display 5 ERGO-Lux MP mobil

Contents: 12 D Ø 35 mm, 10 D 75x50 mm, 8 D Ø 85 mm, 8 D 100x75 mm, 6 D Ø 100 mm, 20 consumer flyers
Approx. size (WxHxD): 27.5x28.0x16.5 cm

Universal display

Approx. size (WxHxD): 30.0x30.0x21.5 cm

Pack of 2 additional holders for universal display

Pack of 5 lanyards
Pack of 5 wrist straps
Pack of 3 AAA alkaline batteries

Items can be ordered with or without the necessary batteries as per price list.
LED illuminated hand magnifiers

- ÖKOLUX plus mobil

Portable magnifier with 4-chip SMD LED.
- Very bright, consistent and high-contrast light through the special light emitting diode
- Individually tested light temperatures can reduce the magnification needed
- Low energy consumption and long battery life – easy battery replacement thanks to hinged battery box cover
- Convenient integrated lanyard loop
- Aspheric lightweight lens
- Supplied with microfibre pouch
- 3 AAA alkaline batteries required

Light temperatures: 2700 K | 4500 K | 6500 K

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>132562</td>
<td>56 D / Ø 35 mm (opt. Ø 27.0 mm)</td>
</tr>
<tr>
<td>132482</td>
<td>48 D / Ø 35 mm (opt. Ø 27.5 mm)</td>
</tr>
<tr>
<td>132392</td>
<td>39 D / Ø 35 mm</td>
</tr>
<tr>
<td>132282</td>
<td>28 D / Ø 35 mm</td>
</tr>
<tr>
<td>132242</td>
<td>24 D / Ø 55 mm (opt. Ø 52.5 mm)</td>
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<td>132202</td>
<td>20 D / Ø 55 mm</td>
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<td>132172</td>
<td>16 D / Ø 35 mm</td>
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<td>132162</td>
<td>16 D / Ø 60 mm</td>
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Box ÖKOLUX plus mobil high power lenses

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<tr>
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<tbody>
<tr>
<td>132022</td>
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Box ÖKOLUX plus mobil low power lenses

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<tbody>
<tr>
<td>132042</td>
<td>Contents: 16 D Ø 60 mm, 12 D Ø 70 mm, 10 D 75x50 mm, 10 D 75x50 mm angled, 8 D Ø 85 mm, 6 D Ø 100 mm</td>
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Box ÖKOLUX plus mobil

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>132092</td>
<td>Contents: 28 D Ø 35 mm, 24 D Ø 55 mm, 20 D Ø 55 mm, 16 D Ø 60 mm, 12 D Ø 70 mm, 10 D 75x50 mm, 10 D 75x50 mm angled</td>
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</table>
130092  ÖKOLUX plus mobil base
Writing and reading stand suitable for ÖKOLUX plus mobil

180902  Pack of 5 lanyards
180912  Pack of 5 wrist straps
156002  Pack of 3 AAA alkaline batteries

Items can be ordered with or without the necessary batteries as per price list.
LED illuminated hand magnifiers

- **ERGO-Lux MP**

  Lifestyle magnifier with 4-chip SMD LED and Multi-Power light option.
  - Easy-to-feel boost switch provides audible feedback when operated and controls 2 brightness levels for optimised lighting
  - High contrast, even spread of light thanks to ideal adjustment of light intensity
  - Individually tested light temperatures improve reading performance
  - Ergonomic design supports hand and arm for relaxed, stress-free position
  - Correct distance between the object and the lens is found automatically when the handle end rests on the object
  - Low energy consumption and long battery life – easy battery replacement thanks to hinged battery box cover
  - Aspheric lightweight lens
  - Supplied with microfibre pouch
  - 3 AAA alkaline batteries required

- **Box ERGO-Lux MP**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Battery Options</th>
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<td>2700 K, 4500 K, 6500 K</td>
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<td>171062</td>
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<td>6500 K</td>
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<td>172062</td>
<td>24 D, 20 D, 16 D, 12 D, 8 D</td>
<td>4500 K</td>
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</table>

- **156002** Pack of 3 AAA alkaline batteries
LED illuminated stand magnifiers

**ERGO-Base & ERGO-Lux MP**

The ERGO-Base fixed-focus holder converts the ERGO-Lux MP into the perfect illuminated stand magnifier.

- Patented magnetic design for easy connection without wear and tear
- Easy scrolling on the object
- Comfortable reading position thanks to tilt feature in the holder which locks into place for firm and stable hold
- Suitable for right and left-handed use of all round lenses
- Bright holder material colour enhances illumination provided by ERGO-Lux MP
- Portable through easy separation of magnifier and holder

For details about ERGO-Lux MP hand magnifiers, please refer to the previous page.

**174102** ERGO-Base for ERGO-Lux MP 24 D

**175102** ERGO-Base for ERGO-Lux MP 20 D

**176102** ERGO-Base for ERGO-Lux MP 16 D

**177102** ERGO-Base for ERGO-Lux MP 12 D

**178102** ERGO-Base for ERGO-Lux MP 8 D

**179102** Box ERGO-Base with all 5 fixed-focus holders

Items can be ordered with or without the necessary batteries as per price list.
LED illuminated stand magnifiers

ÖKOLUX plus

Battery operated illuminated stand magnifier with a 4-chip SMD LED available in 3 light temperatures:

- Individually tested light temperatures can reduce the magnification needed
- Inclination of 8 D magnification head convertible for right or left-handed use
- Very bright, consistent and high-contrast light through the special light emitting diode
- Ideal illumination of the reading material or viewing object enhanced by light-coloured material of the closed magnification head
- Low energy consumption and long battery life – easy battery replacement thanks to hinged battery box cover
- Aspheric lightweight lens
- 3 AA alkaline batteries required

Light temperatures: 2700 K | 4500 K | 6500 K

| 142562 | 144562 | 146562 |
| 56 D / Ø 35 mm (opt. Ø 27.0 mm) |

| 142482 | 144482 | 146482 |
| 48 D / Ø 35 mm (opt. Ø 27.5 mm) |

| 142392 | 144392 | 146392 |
| 39 D / Ø 35 mm |

| 142282 | 144282 | 146282 |
| 28 D / Ø 35 mm |

| 142242 | 144242 | 146242 |
| 24 D / Ø 55 mm (opt. Ø 52.5 mm) |

| 142202 | 144202 | 146202 |
| 20 D / Ø 55 mm |

| 142162 | 144162 | 146162 |
| 16 D / Ø 60 mm |

| 142122 | 144122 | 146122 |
| 12 D / Ø 70 mm |

| 142082 | 144082 | 146082 |
| 8 D / 100x75 mm |

Pack of 3 AA alkaline batteries
**ÖKOLUX plus magnification heads**

Easily interchangeable closed magnification head for different magnification powers.

**ÖKOLUX plus magnifier handles**

Easily interchangeable magnifier handle for different light temperatures.

Items can be ordered with or without the necessary batteries as per price list.
LED illuminated stand magnifiers

**MODULAR LED**

Battery operated illuminated stand magnifier with three 4-chip SMD LEDs available in 3 light temperatures.

- Easily interchangeable open magnification heads, available in different magnification powers
- Possibility to write under the low power lenses
- Individually tested light temperatures can reduce the magnification needed
- Adjustable reading inclination for right or left-handed use
- Very bright, consistent and high-contrast light through 3 precisely aligned special light emitting diodes
- Low energy consumption and long battery life – easy battery replacement thanks to hinged battery box cover
- Aspheric lightweight lenses
- 3 AA alkaline batteries required
Items can be ordered with or without the necessary batteries as per price list.
Items can be ordered with or without the necessary batteries as per price list.
Displays

- **SlimLine**
  Floor stand display to promote sales of SCHWEIZER magnifiers. Appealing product exhibition in a modern silver anodised finish. Fits in every ambiance.
  - Well-arranged and clear presentation of products
  - Easy to handle
  - Attractive teaser
  - Flexible positioning, moves smoothly on 4 castors (lockable)
  - Holds up to 8 boxes (includes 4 box holders, additional box holders available separately)
  - Single package for convenient shipment

- **Universal Display**
  Black coated metal display with exchangeable A4-sized insert. Comes with 3 magnetic holders for ERGO-Lux MP mobil. Can also be used without holders to present other SCHWEIZER products.

164052 Universal display
Approx. size (W×H×D): 30.0 x 30.0 x 21.5 cm

164052-1 Pack of 2 additional holders for universal display

500012 SlimLine
Display in silver colour with 4 box holders
Size (W×H×D): ca. 50 x 182 x 60 cm
Boxes and products not included

500022 Pack of 2 additional box holders for SlimLine
Aspheric reading magnifiers

- **ERGO-Style**

Ergonomic reading magnifier in a revolutionary style.

- Ergonomic design supports hand and arm for a relaxed, stress-free position
- Correct distance between the object and the lens is found automatically when the handle end rests on the object
- Timeless colour combination of white and charcoal grey
- Aspheric lightweight lens
- Supplied with microfibre pouch

These aspheric reading magnifiers are also available with LED illumination. For further information, please refer to page 14.
SEMPRAL

Classic reading magnifier in an elegant design.
- Convenient integrated lanyard loop
- Aspheric lightweight lens

214002  Box SEMPRAL
Contents: 39 D, 28 D, 20 D, 16 D, 12 D, 8 D, 6 D

180902  Pack of 5 lanyards

180912  Pack of 5 wrist straps

Suitable soft case
119602  Suitable for SEMPRAL 39 D, 28 D
119622  Suitable for SEMPRAL 20 D, 16 D
119632  Suitable for SEMPRAL 12 D
Aspheric reading magnifiers

- **FUNCTIONAL**

Economic reading magnifier with mount and handle made in one piece.
- Loop in the handle for a lanyard or cord
- Aspheric lightweight lens

833902 39 D / Ø 35 mm
833502 28 D / Ø 35 mm
835502 20 D / Ø 55 mm
836002 16 D / Ø 60 mm
837002 12 D / Ø 70 mm
831702 8 D / 100 x 75 mm
831002 6 D / Ø 100 mm

210502 Box FUNCTIONAL
Contents: 28 D, 20 D, 16 D, 12 D, 8 D, 6 D

180902 Pack of 5 lanyards

180912 Pack of 5 wrist straps

Suitable soft case
119602 Suitable for FUNCTIONAL 39 D, 28 D
119612 Suitable for FUNCTIONAL 20 D, 16 D
119632 Suitable for FUNCTIONAL 12 D
Biconvex reading magnifiers

- **CLASSIC**
  Reading magnifier with matt black round plastic handle and premium chrome-plated brass mount.
  - Biconvex glass lens

- **BIFOCUS**
  Reading magnifier with matt black round plastic handle and premium chrome-plated brass mount.
  - Biconvex glass lens and additional lens (Bifo)

- **ELEGANT**
  Reading magnifier with handle made from fine hardwood and premium chrome-plated brass mount.
  - Biconvex glass lens

Suitable leather case

- 119172 Black, suitable for CLASSIC 12 D, 10 D
- 119182 Black, suitable for CLASSIC 6 D, BIFOCUS 6 D
- 119192 Black, suitable for CLASSIC 4 D
- 119222 Black, suitable for BIFOCUS 4 D
- 119322 Brown, suitable for ELEGANT

Suitable soft case

- 119632 Suitable for CLASSIC 12 D, 10 D, 6 D, 4 D; BIFOCUS 6 D, 4 D; ELEGANT
Stand magnifiers

- **BOY, SIR, BOSS**

  Stand magnifier with folding stand and folding handle.
  - Mount and handle made from matt black plastic
  - Folding stand made from metal with adjustable reading inclination
  - Aspheric lightweight lens

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<th>Size</th>
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<td>BOY</td>
<td>10 D / 75 x 50 mm</td>
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<tr>
<td>902002</td>
<td>SIR</td>
<td>6 D / 100 x 50 mm</td>
<td></td>
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<tr>
<td>903002</td>
<td>BOSS</td>
<td>8 D / 100 x 75 mm</td>
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</tbody>
</table>

**Box BOY, SIR, BOSS, SEMPRAL**

- Contents: BOY + case; SIR + case; BOSS + case; SEMPRAL 12 D, 6 D

**Suitable case**

- 119012 Suitable for BOY
- 119022 Suitable for SIR
- 119032 Suitable for BOSS
MODULAR TS

Stand magnifier with easily interchangeable open magnification heads available in different magnification powers.

- Adjustable reading inclination for right or left-handed use
- Possibility to write under the low power lenses
- Aspheric lightweight lens

183102 MODULAR TS basic unit
Tilt stand without magnification head

183302 MODULAR TS
190102 Head only
28 D / Ø 35 mm

183402 MODULAR TS
191102 Head only
20 D / Ø 55 mm

183502 MODULAR TS
192102 Head only
16 D / Ø 60 mm

183602 MODULAR TS
193102 Head only
12 D / Ø 70 mm

183802 MODULAR TS
196102 Head only
8 D / 100 x 75 mm

183902 MODULAR TS
195102 Head only
6 D / Ø 100 mm
Pocket magnifiers

- **ERGO-Pocket**
  
  Ergonomic pocket magnifier in a revolutionary style.
  - A single movement of the hand reveals the lens
  - Convenient integrated lanyard loop
  - Timeless colour combination of white and charcoal grey
  - Aspheric lightweight lens

- **Folding magnifier**
  
  Classic pocket magnifier in an elegant design.
  - Mount made from transparent plastic
  - Housing made from strong grain leather
  - Biconvex glass lens
Special magnifiers

■ Visolett® magnifiers
Bright field magnifier made from glass with white plastic rim.

■ Bright field magnifiers
Bright field magnifier made from acrylic glass.
■ Concave bottom prevents scratching
■ Black cloth pouch included

930752 Box special magnifiers
Contents: Visolett® magnifiers Ø 40 mm, Ø 65 mm + case, segment 25x65 mm; bright field magnifiers Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; reading bars 140x20 mm, 200x35 mm

930612 Trial box bright field magnifiers
Contents: Visolett® magnifier segment 25x65 mm; bright field magnifiers Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; bright field magnifier with guiding line Ø 50 mm

■ Reading bars
Reading bar made from clear optical plastic.
■ Integrated handle recess
■ Vertical magnification
■ Supplied with microfibre pouch

930642 1:1.8 / Ø 40 mm
930662 1:1.8 / Ø 65 mm
Circular magnifier with plastic rim

930602 Leather case
with zipper, black, for Ø 65 mm Visolett® magnifier

930652 Visolett® Segment in tilted design
1:1.8 / 25x65 mm

930672 1:1.8 / Ø 50 mm
930682 1:1.8 / Ø 65 mm
930692 1:1.8 / Ø 80 mm
930702 1:1.8 / Ø 95 mm

930762 1:1.8 / Ø 50 mm
930772 1:1.8 / Ø 65 mm
930782 1:1.8 / Ø 80 mm
930792 1:1.8 / Ø 95 mm

Bright field magnifier with guiding line

432142 2x,140x20 mm / 165x20 mm
433202 1.5x, 200x25 mm / 250x32 mm
Ruler (20 cm)
432202 1.5x, 200x35 mm / 220x35 mm
Red guiding line
433232 1.5x, 330x35 mm / 350x35 mm
Red guiding line
Special magnifiers

- Working stand magnifier with glass lens
  - Cast base coated with black plastic Ø 130 mm
  - 300 mm flexible metal gooseneck arm
  - Aplanatic optical system in chrome-plated metal mount

- Working stand magnifier with lightweight lens
  - Cast base coated with black plastic Ø 130 mm
  - 300 mm flexible metal gooseneck arm
  - Aspheric lightweight lens in black plastic mount

- Needlework magnifier
  Ideal magnifier for needlework made from transparent acrylic.
  - Adjustable neck cord
  - Biconvex lightweight lens with higher power insert to see details more clearly
**RIDO-Clip**

- 2 joined lenses with convergence supporting prisms
- Clips to the spectacles of the wearer
- 3 different magnification powers
- Hard coating
- Solid case included

In comparison with standard magnifiers, this clip-on magnifier has some advantages:

- Lightweight
- Wide field of view
- Base-in prisms improve eye convercence
- Simply clips onto spectacles for ease of use
- Allows hand-free activities

**RIDO-Clip with lens part**

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<th>Magnification</th>
<th>Working Distance</th>
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<tbody>
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<td>934021</td>
<td>3.0 D</td>
<td>250 mm</td>
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<tr>
<td>934011</td>
<td>5.5 D</td>
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<tr>
<td>934031</td>
<td>7.0 D</td>
<td>125 mm</td>
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</table>

**934001** RIDO-Clip set with all lens parts

Contents: Clip and one lens part each in 3.0 D, 5.5 D, 7.0 D
In most cases, visually impaired people can improve their vision with traditional optical aids. In some situations, electronic solutions can be of further help. The video magnifiers featured in the SCHWEIZER eMag series provide additional options to improve vision around the home or on the go.

Please refer to www.improvision-lvs.com for detailed information on these products.
Please refer to www.improvision-lvs.com for detailed information on these products.
One of the key elements of low vision solutions is the provision of special lighting to suit the patients’ individual needs.

Multiple studies conducted by Professor Hartmann from Munich/Germany with visually impaired people have shown that the provision of appropriate lighting can significantly improve visual acuity. An individually tested light temperature ensures comfortable and relaxed reading.

With optimised lighting, the magnification otherwise needed can be reduced.
LowVision lamps

- MULTILIGHT LED Floor
  Floor lamp with 72 durable and energy-efficient SMD LEDs.
  - Switch integrated in the lamp head
  - Gooseneck allows for flexible, 3-dimensional positioning of lamp head
  - Dimensions:
    - Base to gooseneck: 86 cm
    - Gooseneck: 43 cm
    - Lamp head: 29 cm
  - 170 cm power cord with Euro plug for 100 – 240 V / 50 – 60 Hz

Light temperatures: 2700 K 4500 K 6500 K
- **MULTILIGHT LED Table**
  Table lamp with 42 durable and energy-efficient SMD LEDs.
  - Solid table base included, optional table clamp available
  - Convenient sensor switch integrated in the lamp body
  - Lamp head can be adjusted 180° horizontally, 45° vertically and axially
  - Height of lamp head adjustable from 40 cm up to 60 cm
  - Maximum horizontal deflection 70 cm
  - Footprint: 18 x 24 cm
  - Weight: 1700 g
  - Supplied with 150 cm transformer cable with Euro plug for 100 – 240 V / 50 – 60 Hz

- **MULTILIGHT LED Akku**
  Folding task lamp with 48 durable and energy-efficient SMD LEDs.
  - Adjustable height due to extendable head
  - Designed to reduce glare and make reading easier
  - Dimensions & weight:
    - Footprint: 9 x 13.5 cm
    - Height (maximum): 35 cm
    - Weight: 1600 g
  - Mains or battery (rechargeable) operated for greater flexibility
  - Supplied with 190 cm transformer cable with Euro plug for 100 – 240 V / 50 – 60 Hz

**Light temperatures:** 2700 K | 4500 K | 6500 K

**MULTILIGHT LED Table**
- 936203
- 936213
- 936223

**936293 Table clamp**
Solid table clamp which allows the MULTILIGHT LED Table to rotate, maximum table thickness of 60 mm

**MULTILIGHT LED Akku**
- 937223
- 937423
- 937623
LowVision lamps

- **MULTILIGHT LED Mobil**
  Compact folding task lamp with 30 durable and energy-efficient SMD LEDs.
  - Switches on and off automatically as the head is opened and closed
  - Lightweight, requiring only little space
  - Dimensions & weight:
    - Footprint: Ø 8.2 cm
    - Height: 26 cm
    - Weight: 250 g
  - Mains or battery operated; for battery operation 3 AAA alkaline batteries are required
  - Supplied with carrying case and 150 cm transformer cable with Euro plug for 100 - 240 V / 50 - 60 Hz

- **MULTILIGHT LED Pocket**
  Handy folding task lamp with 12 durable and energy-efficient SMD LEDs.
  - Switches on and off automatically as the head is opened and closed
  - Fits in every pocket, convenient built-in clip and integrated lanyard loop
  - Dimensions & weight:
    - Size: 5.9 x 8.4 cm
    - Weight: 70 g
  - Battery operation (3 AAA alkaline batteries required)

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**MULTILIGHT LED Mobil**
- 937243
- 937443
- 937643

**MULTILIGHT LED Pocket**
- 937263
- 937463
- 937663

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180902 Pack of 5 lanyards
180912 Pack of 5 wrist straps
156002 Pack of 3 AAA alkaline batteries
Reading stands

- **MULTILIGHT LED reading stand**
  - Small footprint with a surface of 28 x 21 cm, extendable up to 38 x 33 cm
  - Designed not to slip on a table surface
  - Inclination adjustable in multiple steps
  - Black plastic
  - Illumination with 20 durable and energy-efficient SMD LEDs
  - Mains or battery operated; for battery operation 3 AAA alkaline batteries are required
  - Supplied with 150 cm transformer cable with Euro plug for 100 - 240 V / 50 - 60 Hz

- **Standard reading stand**
  - Large surface with a size of 40 x 50 cm
  - Designed not to slip on a table surface
  - Inclination adjustable in multiple steps
  - Natural wood

- **Economic reading stand**
  - Surface with a size of 32 x 28 cm and a fixed inclination of 23°
  - White plastic
  - Pack of 2 pieces
People with reduced visual acuity often also experience lower contrast sensitivity.

Decreased contrast sensitivity may arise from cloudy ocular media, retinal deposits, the loss of receptor cells or similar.

Special blue blocking or comfort filters provide help in this context and enhance the ability to see in contrast. Blue blocking and comfort filters increase contrast sensitivity.
Light protection spectacles with filter lenses

- **IV PROSHIELD Wrap-Around**
  - For use without corrective spectacles

- **IV80240** C1
  - Comfort filter in amber colour

- **IV80241** 450
  - Blue blocker in yellow colour

- **IV80242** C500
  - Comfort filter in light orange colour

- **IV80243** 511
  - Blue blocker in orange colour

- **IV80244** C1 tinted
  - Comfort filter in amber colour with 60% grey tint

- **IV80245** 450 tinted
  - Blue blocker in yellow colour with 60% grey tint

- **IV80246** C500 tinted
  - Comfort filter in light orange colour with 60% grey tint

- **IV80247** 511 tinted
  - Blue blocker in orange colour with 60% grey tint

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**IVBOXWA** Trial box IV PROSHIELD Wrap-Around
- Contents: 1 each of IV PROSHIELD Wrap-Around, total 8 Wrap-Around spectacles

**IVBOX08** Trial box IV for 8 IV light protection spectacles
- Contents: 8 IV PROSHIELD spectacles of your choice

---

*Example for blue blocker (511)*
IV PROSHIELD Fit-Over

- Black matt PC polymer frame in size 63-12
- Grey tinted PC polymer side windows
- PC polymer filter lenses
- Frame size and filter number printed inside temple
- Supplied with cloth pouch
- Made in the European Union

**IV80260** C1
Comfort filter in amber colour

**IV80261** 450
Blue blocker in yellow colour

**IV80262** C500
Comfort filter in light orange colour

**IV80263** 511
Blue blocker in orange colour

**IV80264** C1 tinted
Comfort filter in amber colour with 60% grey tint

**IV80265** 450 tinted
Blue blocker in yellow colour with 60% grey tint

**IV80266** C500 tinted
Comfort filter in light orange colour with 60% grey tint

**IV80267** 511 tinted
Blue blocker in orange colour with 60% grey tint

**IVBOXF0** Trial box IV PROSHIELD Fit-Over
Contents: 1 each of IV PROSHIELD Fit-Over, total 8 Fit-Over spectacles

**IVBOX08** Trial box IV for 8 IV light protection spectacles
Contents: 8 IV PROSHIELD spectacles of your choice
Visually impaired people – often elderly people – frequently express the desire to be able to watch TV and to read newspapers, bank statements, telephone directories or drug package inserts, for example.

Consequently, maintaining or restoring reading ability is essential when it comes to magnifying aids. Telescopic systems are a possible solution to this challenge, since they enable both near and distance viewing.

Telescopes with a magnification power of up to 6x can be mounted on a frame to create hands-free telescopic spectacles. For higher magnification strengths, hand-held monocular telescopes are also available.
Galilean telescopes

Small and lightweight fixed focus Galilean telescope with multi-coated lenses in an aluminium housing.

- Two groups of computer-optimised lenses with multilayer AR coating
- Designed for mounting in a frame, lock ring included
- Ideal for SCHWEIZER telescope frames as shown on pages 52 – 53
- Factory-set to infinite focal distance; front caps for intermediate (e.g. TV) and close distances (e.g. reading) available
- Refractive errors can be corrected with a lens mounted on the system’s ocular side (Ø 22 mm). Adjustment to the working distance possible with the same corrective lens
- Calculation of the required plus lens power for adjusting the focal distance by multiplying the system magnification by itself and dividing the result by the focal distance required in metres
- Binocular use for close working distances possible with special mounting lenses

### Front caps

Front caps for intermediate (e.g. TV) and close distances (e.g. reading).

- Basic front cap snaps into place with audible click for firm hold
- Optional Add-on front caps can be combined with Basic front caps to provide higher magnification and variable working distances. Add-on front caps flip up easily when not in use
- Combined use of Basic and Add-on front cap creates an aplanatic front cap without spherical aberrations
- Different working distances ranging from 200 to 4.17 cm can be combined
- Calculation of the working distance based on the system’s pre-set infinite focal distance by dividing 1 by the D power of the front cap(s). The close distance magnification is the system magnification multiplied with one quarter of the D power of the front cap(s)

<table>
<thead>
<tr>
<th>Basic</th>
<th>Add-on</th>
</tr>
</thead>
<tbody>
<tr>
<td>938015</td>
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<td>938805</td>
<td>939805</td>
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<tr>
<td>938125</td>
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</tr>
</tbody>
</table>
- **Binocular use**

Mounting lens for binocular use with the relevant convergence.
- Mounting lens packed in pairs with mounting adapters for corrective lenses
- Mounting lens made from PMMA material (Plexiglas®)

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**Case for telescopic spectacles**

**Trial box Galilei 1.8x**

Contents: 2 pieces of 1.8x in adapter for trial frame; 2 Basic front caps in +0.5 D; 1 titanium telescope frame 935806; measuring tape; empty slots for additional Basic and Add-on front caps

**Trial box Galilei 2.1x and 2.5x**

Contents: 2 each in 2.1x and 2.5x in adapter for trial frame; Basic front caps 2 each in +0.5 D, +0.66 D, +1.0 D and 1 each in +1.5 D, +2.0 D, +3.0 D, +4.0 D, +5.0 D, +6.0 D, +8.0 D; Add-on front caps 1 each in +4.0 D, +8.0 D

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**Mounting lens with adapter for 15 mm corrective lens**

- **933225** Binocular use for 200 mm working distance, 2 pieces
- **933255** Binocular use for 250 mm working distance, 2 pieces
- **933235** Binocular use for 330 mm working distance, 2 pieces
- **933265** Without convergence for reduced back vertex distance BVD, 2 pieces

**Convergence adapter for trial frame**

- **933315** 200 mm; 5.0 D; 2 pieces
- **933325** 250 mm; 4.0 D; 2 pieces
- **933335** 330 mm; 3.0 D; 2 pieces
Keplerian telescopes

Small and lightweight focusable Keplerian telescope.

- Multi-coated achromatic precision optics
- Focusable from infinity to about 250 mm
- Designed for mounting in a frame, 2 lock rings included
- Optional adapter allows use of front caps of SCHWEIZER Galilean telescopes for intermediate and close working distances
- Ideal for SCHWEIZER telescope frames as shown on pages 52 – 53

931935 3x9
Magnification 3x, field of view 12.5°, objective Ø 9 mm, silver black metal housing

931945 4x10
Magnification 4x, field of view 10.0°, objective Ø 10 mm, silver black metal housing

931955 4x12
Magnification 4x, field of view 12.5°, objective Ø 12 mm, silver black metal housing

932165 6x16
Magnification 6x, field of view 10.0°, objective Ø 16 mm, black metal housing

931077 Trial box Kepler
Contents: 1 each of 3x9, 4x10 and 4x12 in adapter for trial frame; 1 focus stop ring each for 3x9, 4x10 and 4x12; 1 adapter for Basic front caps suitable for 3x9, 4x10; 1 empty slot for 6x16 monocular with finger ring (not included)
Application tip

SCHWEIZER Keplerian systems can be focused to different working or reading distances as required. Furthermore, they offer the following application options:

Application with focus stop ring
For a particular application of the telescope, such as watching TV, the eye care professional adjusts the telescope focus to the desired distance and fastens the focus stop ring on the housing to act as a stopper.

For closer working distances, the visually impaired person can still turn the objective lens outwards until the image is crisp and clear. Turning the objective lens back until the stopper is reached, refocuses the telescope for the original application, such as watching TV.

Application with fixed focus
When using the telescopic system for a specific task, e.g. for watching TV, the eye care professional adjusts the telescope focus to the desired distance and locks this setting using the locking screws in the housing. For close working distances, the front caps of SCHWEIZER Galilean telescopes can be used with an adapter.

It is recommended to use fixed focus systems for visually impaired people who lack the necessary fine motor skills.

<table>
<thead>
<tr>
<th>Focus stop ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>932525</td>
</tr>
<tr>
<td>932555</td>
</tr>
<tr>
<td>932505</td>
</tr>
</tbody>
</table>

938025 Adapter for Basic front caps  
Suitable for 3 x 9, 4 x 10

932535 Adapter for Basic front caps  
Suitable for 4 x 12

937116 Case for telescopic spectacles

ImproVision 51
Telescope frames

Only special telescope frames designed for a perfect anatomic fit ensure the ideal function and efficient use of telescopic spectacles.

- **Titanium telescope frames with variable saddle bridge system**
  - Material: 100% titanium, welded, hypoallergenic, solder-free, screws and saddle bridge insert made from stainless steel
  - Weight: 16 g
  - Temple: Golf temple 145 mm, easy to shorten, silicone-coated plastic temple ends, common sport temple ends mountable
  - Adjustable saddle bridge, flat saddle bridge for reduced back vertex distance BVD included
  - Meets the technical and medical requirements for listed aids of the compulsory health insurance in Germany
  - Unisex: style and colouring suitable for men and women alike

**Please note:**
In most cases a large back vertex distance BVD is necessary for telescopic spectacles. SCHWEIZER telescope frames are designed accordingly. However, if needed, the BVD of the titanium telescope frames with variable saddle bridge systems can be reduced by 3 mm. For this purpose, a flat saddle bridge (included) can be mounted. This is a fast and easy way to react to different optical and anatomic conditions.

### Telescope frames

- **935736** Ice blue colour, matt
  - Size 47-18-145

- **935716** Ice blue colour, matt
  - Size 50-18-145

- **935726** Ice blue colour, matt
  - Size 53-18-145

- **935826** Titanium grey colour, matt
  - Size 47-18-145

- **935806** Titanium grey colour, matt
  - Size 50-18-145

- **935816** Titanium grey colour, matt
  - Size 53-18-145

- **937116** Case for telescopic spectacles
Titanium telescope frames

- Material: 100% titanium, welded, hypoallergenic, solder-free, screws and saddle bridge insert made from stainless steel
- Weight: female model 16 g and 17 g, male model 17 g and 18 g
- Temple: Golf temple 145 mm, easy to shorten, silicone-coated plastic temple ends, common sport temple ends mountable
- Adjustable saddle bridge
- Ideal for curved mounting lenses
- Meets the technical and medical requirements for listed aids of the compulsory health insurance in Germany
- Stylish female and male model

<table>
<thead>
<tr>
<th>Female model</th>
</tr>
</thead>
<tbody>
<tr>
<td>935566 Titanium grey colour, matt</td>
</tr>
<tr>
<td>935576 Titanium grey colour, matt</td>
</tr>
<tr>
<td>935546 Lilac rosy colour, matt</td>
</tr>
<tr>
<td>935556 Lilac rosy colour, matt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Male model</th>
</tr>
</thead>
<tbody>
<tr>
<td>935626 Titanium grey colour, pearlescent</td>
</tr>
<tr>
<td>935636 Titanium grey colour, pearlescent</td>
</tr>
<tr>
<td>935646 Night blue colour, matt</td>
</tr>
<tr>
<td>935656 Night blue colour, matt</td>
</tr>
</tbody>
</table>
### Frame mounting of telescopes

#### Box of mounting parts

This box contains all mounting parts required for mounting a telescope in a frame: trial frame adapters, lock ring mounting tool, mounting lens with and without mounting slot made from CR39 (3 pieces each), set of washers, adapters for corrective lens, spare lock rings, penlight, titanium telescope frame.

#### Individual mounting parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>936097</td>
<td>Box of mounting parts</td>
<td></td>
</tr>
<tr>
<td>932765</td>
<td>Mounting lens with mounting slot</td>
<td>3 mm thick, CR39, Ø 80 mm, pack of 2 pieces</td>
</tr>
<tr>
<td>932865</td>
<td>Mounting lens without mounting slot</td>
<td>3 mm thick, CR39, Ø 80 mm, pack of 2 pieces</td>
</tr>
<tr>
<td>932855</td>
<td>Mounting lens without mounting slot frosted</td>
<td>3 mm thick, CR39, Ø 80 mm, 1 piece</td>
</tr>
<tr>
<td>932715</td>
<td>Washer 0.5 mm thick</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932725</td>
<td>Washer 1.0 mm thick</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932735</td>
<td>Washer 2.0 mm thick</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932745</td>
<td>Set of washers</td>
<td>6 pieces each of 0.5 mm, 1.0 mm and 2.0 mm thickness</td>
</tr>
<tr>
<td>932775</td>
<td>Aluminium adapter for corrective lens (Ø 22 mm)</td>
<td>Pack of 2 pieces</td>
</tr>
<tr>
<td>932785</td>
<td>Aluminium spare lock ring</td>
<td>Pack of 2 pieces</td>
</tr>
<tr>
<td>936305</td>
<td>Penlight</td>
<td></td>
</tr>
</tbody>
</table>
Monoculars

- Hand-held Keplerian telescope
  - Multi-coated achromatic precision optics
  - Fold-down rubber eyecup for spectacle wearers to correct BVD
  - Ideal for retaining individual mobility (ability to see street signs, train or bus schedules, price tags, etc.)
  - Small and handy
  - Focusable from infinity to about 250 mm
  - Soft case and neck cord included
  - Use as a hand microscope with the acrylic stand, which can also be used separately as a 3x stand magnifier

Transparent acrylic stand

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>933205</td>
<td>Suitable for 6x16, 8x20, 10x20</td>
</tr>
<tr>
<td>933285</td>
<td>Suitable for 8x30, 10x30</td>
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</tbody>
</table>

Finger ring

<table>
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<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>933775</td>
<td>Suitable for 3x9, 4x10, 4x12</td>
</tr>
<tr>
<td>933215</td>
<td>Suitable for 6x16, 8x20</td>
</tr>
</tbody>
</table>

Extender

Multi-functional aid for mobile use. Comfortable viewing thanks to steady and brilliant image.

- Easy to use hand-held telescope (similar to a 2x fixed focus telescope) with a large depth of field
- Inverting the extender doubles the field of vision – ideal for tunnel vision and retinopathy pigmentosa (RP)
- Textured grip ensures excellent feel
- Fold-down rubber eyecup for spectacle wearers to correct BVD
- Convenient lanyard loop (lanyard included)
Do you have questions…

…about our products or do you need further information?
Please give us a call. We have just the specialist expertise you need!

<table>
<thead>
<tr>
<th></th>
<th>Phone</th>
<th>+49-9191-72 10 56</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax</td>
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