Product solutions for Improved Vision
Who we are

ImproVision is a subsidiary of SCHWEIZER and services the company’s global export activities. Established in 1840, SCHWEIZER is one of the oldest owner-managed companies in the German ophthalmic optics sector and boasts one of the world’s largest ranges of specialist visual optical aids.

SCHWEIZER stands for many firsts in low vision care – be it the world’s first modular magnifier system with interchangeable magnification heads, the world’s first LED illuminated magnifier, the world’s first ergonomic magnifier or the world’s first magnifier with inductive charging.

Unrivalled quality is another pillar of SCHWEIZER’s strategy. All its illuminated and reading magnifiers are still “Made in Germany” at the company’s German headquarters in Forchheim.

What we offer

... global access to SCHWEIZER’s range of product solutions for improved vision in addition to our own range of high addition and light protection spectacles.

... professional advice, technical expertise and bespoke support to help our partners grow their business.

... regular and comprehensive professional training, be it in the classroom or online through our partner www.optik-akademie.com.

More...

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

www.improvision-lvs.com
or
www.schweizer-optik.co
Your benefits

- Professional expertise
- Innovative products
- Cutting-edge technology
- Dedicated support
- Global presence tailored to local needs
- Continuing professional development

For almost 20 years, my goal has been to help our partners to be successful – not only for their own business benefit, but also for the benefit of those who need our products to improve their quality of life.

Uwe Hanschmann
Managing Partner of ImproVision

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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 prisms to support convergence 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

### IV PRISMATIC

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### IVBOX12

Trial box IV for 12 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
ERGO-Lux i mobil with wireless charging
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 improve contrast vision and thus visual acuity.

Modern illuminated magnifiers are mainly battery-operated. One of the latest innovations in this field uses wireless charging and thus eliminates the need to replace batteries.

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LED illuminated hand magnifiers

- **ERGO-Lux i mobil**

ERGO-Lux i mobil – the lifestyle magnifier with inductive charging. In addition to 2 brightness levels and a choice of 3 light temperatures, the key advantage of this new magnifier lies in its wireless charging capability which eliminates the need to replace batteries.

- Power supply by induction – no battery replacement, no cable inserted into the magnifier
- 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
- Low energy consumption
- Ergonomic design and soft-touch zone for extra grip strength and pleasant feel
- 17 different lenses with 11 powers, 3 light temperatures
- Rectangular magnifier heads for left- and right-handed use
- Aspheric lightweight lenses
- Order any of these magnifiers as a complete set including charging pad, USB cable and USB power adapter by adding -1 to the item no. (e.g. 152122-1)

Suitable stand for this series coming soon!
Box 1 ERGO-Lux i mobil
150212  150412  150612
Contents: 12 D Ø 35 mm, 10 D 75x50 mm right-handed, 8 D Ø 85 mm, 8 D 100x75 mm right-handed, 6 D Ø 100 mm

Box 2 ERGO-Lux i mobil
150222  150422  150622
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

Box 3 ERGO-Lux i mobil
150232  150432  150632
Contents: 56 D Ø 35 mm, 48 D Ø 35 mm, 39 D Ø 35 mm, 10 D 75x50 mm straight and left-handed, 8 D 100x75 mm left-handed

150002  Charging pad
Approx. 70 x 70 mm with 1.5 m USB cable

150012  USB power adapter
for ERGO-Lux i mobil charging pad

180902  Pack of 5 lanyards

180912  Pack of 5 wrist straps

Light temperatures: 2700 K  4500 K  6500 K

152112  154112  156112
10 D / 75x50 mm, straight

152102  154102  156102
10 D / 75x50 mm, right-handed

152142  154142  156142
10 D / 75x50 mm, left-handed

152092  154092  156092
8 D / Ø 85 mm

152082  154082  156082
8 D / 100x75 mm, right-handed

152072  154072  156072
8 D / 100x75 mm, left-handed

152062  154062  156062
6 D / Ø 100 mm
LED illuminated hand magnifiers

- **ERGO-Lux MP mobil**
  
  Portable lifestyle magnifier with multi-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

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

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**Contents: 12 D Ø 35 mm, 10 D 75 x 50 mm right-handed, 10 D 75 x 50 mm left-handed, 8 D 100 x 75 mm right-handed, 8 D 100 x 75 mm left-handed, 20 consumer flyers**

**Approx. size (W x H x D):** 27.5 x 28.0 x 16.5 cm

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**Carton display 5 ERGO-Lux MP mobil**

<table>
<thead>
<tr>
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<th>164032</th>
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<tbody>
<tr>
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<td>166042</td>
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Contents: 12 D Ø 35 mm, 10 D 75 x 50 mm right-handed, 8 D Ø 85 mm, 8 D 100 x 75 mm right-handed, 6 D Ø 100 mm, 20 consumer flyers, Approx. size (W x H x D): 27.5 x 28.0 x 16.5 cm
Box 1 ERGO-Lux MP mobil

<table>
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<tr>
<th>162012</th>
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</table>

Contents: 12 D Ø 35 mm, 10 D 75x50 mm right-handed, 8 D Ø 85 mm, 8 D 100x75 mm right-handed, 6 D Ø 100 mm

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Box 2 ERGO-Lux MP mobil

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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

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Box 3 ERGO-Lux MP mobil

<table>
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<tr>
<th>162002</th>
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<th>166002</th>
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Contents: 56 D Ø 35 mm, 48 D Ø 35 mm, 39 D Ø 35 mm, 10 D 75x50 mm straight and left-handed, 8 D 100x75 mm left-handed

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180902 Pack of 3 AAA alkaline batteries

180912 Pack of 5 wrist straps

156002 Pack of 5 lanyards

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

ÖKOLUX plus mobil

Portable magnifier with multi-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

| Code   | Description                   | Diameter | Options
<table>
<thead>
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Box ÖKOLUX plus mobil high power lenses

| Code   | Description                   | Diameter | Options
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Box ÖKOLUX plus mobil low power lenses

| Code   | Description                   | Diameter | Options
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<tbody>
<tr>
<td>132042</td>
<td>16 D Ø 60 mm, 12 D Ø 70 mm, 10 D 75x50 mm straight, 10 D 75x50 mm right-handed, 8 D Ø 85 mm, 6 D Ø 100 mm</td>
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Box ÖKOLUX plus mobil

| Code   | Description                   | Diameter | Options
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ImproVision
Carton display 5 ÖKOLUX plus mobil

132052 134052 136052
Contents: 12 D Ø 70 mm, 10 D 75x50 mm straight, 10 D 75x50 mm right-handed, 8 D Ø 85 mm, 6 D Ø 100 mm, base, 20 consumer flyers

Carton display 3 ÖKOLUX plus mobil

132032 134032 136032
Contents: 12 D Ø 70 mm, 8 D Ø 85 mm, 6 D Ø 100 mm, base, 20 consumer flyers

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.

Light temperatures: 2700 K 4500 K 6500 K

132132 134132 136132
12 D / Ø 35 mm

132122 134122 136122
12 D / Ø 70 mm

132112 134112 136112
10 D / 75x50 mm, straight

132102 134102 136102
10 D / 75x50 mm, right-handed

132802 134802 136802
8 D / Ø 85 mm

132062 134062 136062
6 D / Ø 100 mm
LED illuminated hand magnifiers

**ERGO-Lux MP**

Lifestyle magnifier with multi-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.

Order any of these magnifiers as a complete set including ERGO-Base by adding –SET to the item no. (e.g. 170162-SET)

<table>
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<tr>
<th>Light temperatures</th>
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**Box ERGO-Lux MP**

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<th>172062</th>
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</table>

Contents: 24 D, 20 D, 16 D, 12 D, 8 D

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.

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 multi-chip SMD LED available in 3 light temperatures.

- Individually tested light temperatures can reduce the magnification needed
- Tilt 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

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Pack of 3 AA alkaline batteries

Box ÖKOLUX plus low power lenses

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Box ÖKOLUX plus high power lenses

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<tr>
<td>146122</td>
<td>8 D</td>
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155002 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 3 multi-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 head tilt 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

Light temperatures: 2700 K, 4500 K, 6500 K

190222 190242 190262
28 D / Ø 35 mm

191222 191242 191262
20 D / Ø 55 mm

192222 192242 192262
16 D / Ø 60 mm

193222 193242 193262
12 D / Ø 70 mm

196222 196242 196262
8 D / 100 x 75 mm

195222 195242 195262
6 D / Ø 100 mm
Box MODULAR LED for testing
Contents: Heads 16 D, 12 D, 8 D
and basic units 2700 K, 4500 K, 6500 K

Box MODULAR LED
198022 198042 198062
Contents: Heads 28 D, 20 D, 16 D, 12 D, 8 D and basic unit

198122 198142 198162
Contents: Heads 16 D, 12 D, 8 D and basic unit, battery operated TWIN-Lux LED

155002 Pack of 3 AA alkaline batteries

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.
Aspheric hand 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 hand magnifiers are also available with LED illumination. For further information, please refer to page 16.
Aspheric hand magnifiers

- **SEMPRAL**

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

### Contents:
- **Box SEMPRAL**
  - Contents: 39 D, 28 D, 20 D, 16 D, 12 D, 8 D, 6 D

### Accessories:
- **Pack of 5 lanyards**
- **Pack of 5 wrist straps**

**Suitable soft case**
- **Suitable for SEMPRAL**
  - 39 D, 28 D
  - 20 D, 16 D
  - 12 D
FUNCTIONAL

Economic reading magnifier with mount and handle made in one piece.

- Loop in the handle for a lanyard or cord
- Aspheric lightweight lens

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
Aspheric 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 tilt
- Aspheric lightweight lens

<table>
<thead>
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<td>75 x 50 mm</td>
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<tr>
<td>902002</td>
<td>SIR</td>
<td>6 D</td>
<td>100 x 50 mm</td>
</tr>
<tr>
<td>903002</td>
<td>BOSS</td>
<td>8 D</td>
<td>100 x 75 mm</td>
</tr>
</tbody>
</table>

**212002** Box BOY, SIR, BOSS, SEMPRAL
Contents: BOY + case; SIR + case; BOSS + case; SEMPRAL 12 D, 6 D

**Suitable case**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>119012</td>
<td>Suitable for BOY</td>
</tr>
<tr>
<td>119022</td>
<td>Suitable for SIR</td>
</tr>
<tr>
<td>119032</td>
<td>Suitable for BOSS</td>
</tr>
</tbody>
</table>
MODULAR TS

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

- Adjustable head tilt 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
Biconvex hand 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
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

---

### ERGO-Pocket

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>181562</td>
<td>56 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
</tr>
<tr>
<td>181482</td>
<td>48 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
</tr>
<tr>
<td>181392</td>
<td>39 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
</tr>
<tr>
<td>181282</td>
<td>28 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
</tr>
<tr>
<td>181162</td>
<td>16 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
</tr>
<tr>
<td>181122</td>
<td>12 D / Ø 35 mm</td>
<td>Pack of 4 pieces</td>
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</table>

### Folding magnifier

<table>
<thead>
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<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>418342</td>
<td>Graphite black, 20 D</td>
<td>Ø 30 mm</td>
</tr>
<tr>
<td>418312</td>
<td>Red, 20 D / Ø 30 mm</td>
<td></td>
</tr>
<tr>
<td>418642</td>
<td>Graphite black, 10 D</td>
<td>Ø 60 mm</td>
</tr>
<tr>
<td>418612</td>
<td>Red, 10 D / Ø 60 mm</td>
<td></td>
</tr>
</tbody>
</table>
Special magnifiers

- **LED illuminated table top magnifier**
  Versatile magnifier integrated in table top lamp for work, art, crafting, reading, hobbies and many other close-up activities.
  - Solid table base ensures overall stability
  - Flexible gooseneck arm allows for 3-dimensional positioning of the magnifier
  - 48 durable and energy-efficient SMD LEDs provide perfect illumination of every object
  - High-quality, scratch-resistant biconvex glass lens for clear images
  - Power cord with switch and EU power plug or optional EU/US/UK/AU plug set

- **Table top 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

- **Table top 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
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

Box special magnifiers

Contents: Visolett® magnifiers Ø 40 mm, Ø 65 mm + case, segment 25×65 mm; bright field magnifiers Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; reading bars 140×20 mm, 200×35 mm

Trial box bright field magnifiers

Contents: Visolett® magnifier segment 25×65 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
Special magnifiers

- **RIDO-Clip**
  - 2 joined lenses including prisms to support convergence
  - 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 convergence
- Simply clips onto spectacles for ease of use
- Allows hand-free activities

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Magnification</th>
<th>Working Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>934021</td>
<td>3.0 D</td>
<td>250 mm</td>
</tr>
<tr>
<td>934011</td>
<td>5.5 D</td>
<td>180 mm</td>
</tr>
<tr>
<td>934031</td>
<td>7.0 D</td>
<td>125 mm</td>
</tr>
</tbody>
</table>

Contents: Clip and one lens part each in 3.0 D, 5.5 D, 7.0 D
**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. Can also be used without holders to present other SCHWEIZER products.

---

**164052** Universal display

Approx. size (WxHxD): 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 (WxHxD): ca. 50 x 182 x 60 cm
Boxes and products not included

**500022** Pack of 2 additional box holders for SlimLine
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.
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
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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180902  Pack of 5 lanyards
180912  Pack of 5 wrist straps
156002  Pack of 3 AAA alkaline batteries
Reading stands

- **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.
Light protection spectacles with filter lenses

- IV PROSHIELD Wrap-Around
  - Black matt PC polymer frame in size 61-17
  - PC polymer filter lenses
  - Frame size and filter number printed inside temple
  - Supplied with cloth pouch
  - Made in the European Union

<table>
<thead>
<tr>
<th>IV80240</th>
<th>C1</th>
<th>Comfort filter in amber colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV80241</td>
<td>450</td>
<td>Blue blocker in yellow colour</td>
</tr>
<tr>
<td>IV80242</td>
<td>C500</td>
<td>Comfort filter in light orange colour</td>
</tr>
<tr>
<td>IV80243</td>
<td>511</td>
<td>Blue blocker in orange colour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IV80244</th>
<th>C1 tinted</th>
<th>Comfort filter in amber colour with 60% grey tint</th>
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</thead>
<tbody>
<tr>
<td>IV80245</td>
<td>450 tinted</td>
<td>Blue blocker in yellow colour with 60% grey tint</td>
</tr>
<tr>
<td>IV80246</td>
<td>C500 tinted</td>
<td>Comfort filter in light orange colour with 60% grey tint</td>
</tr>
<tr>
<td>IV80247</td>
<td>511 tinted</td>
<td>Blue blocker in orange colour with 60% grey tint</td>
</tr>
</tbody>
</table>

- 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 light protection spectacles
  Contents: 8 IV PROSHIELD spectacles of your choice
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

IV PROSHIELD Fit-Over
For use over corrective spectacles

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV80264</td>
<td>C1 tinted Comfort filter in amber colour with 60% grey tint</td>
<td>Amber with grey tint</td>
</tr>
<tr>
<td>IV80265</td>
<td>450 tinted Blue blocker in yellow colour with 60% grey tint</td>
<td>Yellow with grey tint</td>
</tr>
<tr>
<td>IV80266</td>
<td>C500 tinted Comfort filter in light orange colour with 60% grey tint</td>
<td>Light orange with grey tint</td>
</tr>
<tr>
<td>IV80267</td>
<td>511 tinted Blue blocker in orange colour with 60% grey tint</td>
<td>Orange with grey tint</td>
</tr>
</tbody>
</table>

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

IMEvision

IVDIS06 POS display IV for 6 light protection spectacles
Contents: 6 IV PROSHIELD spectacles of your choice

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

IVBOX09 Trial box IV PROSHIELD Fit-Over
Contents: 1 each of IV PROSHIELD Fit-Over, total 8 Fit-Over spectacles
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.

Contents

Galilean telescopes p. 48
Keplerian telescopes p. 50
Telescope frames p. 52
Frame mounting of telescopes p. 54
Monoculars p. 55
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)
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®)

937116  Case for telescopic spectacles

931287  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 935906; measuring tape; empty slots for additional Basic and Add-on front caps

931067  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

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

933315  200 mm; 5.0 D; 2 pieces
933325  250 mm; 4.0 D; 2 pieces
933335  330 mm; 3.0 D; 2 pieces

Mounting lens with adapter for 15 mm corrective lens

Convergence adapter for trial frame
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
The eye care professional adjusts the telescope focus to the desired distance, e.g. for watching TV, 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
The eye care professional adjusts the telescope focus to the desired distance, e.g. for watching TV, 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.

Focus stop ring

<table>
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<th>Code</th>
<th>Description</th>
<th>Suitable for</th>
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</thead>
<tbody>
<tr>
<td>932525</td>
<td>Focus stop ring</td>
<td>3x9</td>
</tr>
<tr>
<td>932555</td>
<td>Focus stop ring</td>
<td>4x10</td>
</tr>
<tr>
<td>932505</td>
<td>Focus stop ring</td>
<td>4x12</td>
</tr>
</tbody>
</table>

---

938025 Adapter for Basic front caps
Suitable for 3x9, 4x10

932535 Adapter for Basic front caps
Suitable for 4x12

937116 Case for telescopic spectacles
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.
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

**Female model**

<table>
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<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
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<td>935566</td>
<td>Titanium grey, matt</td>
<td>48-19-145</td>
</tr>
<tr>
<td>935576</td>
<td>Titanium grey, matt</td>
<td>51-19-145</td>
</tr>
<tr>
<td>935546</td>
<td>Lilac rosy, matt</td>
<td>48-19-145</td>
</tr>
<tr>
<td>935556</td>
<td>Lilac rosy, matt</td>
<td>51-19-145</td>
</tr>
</tbody>
</table>

**Male model**

<table>
<thead>
<tr>
<th>Code</th>
<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>935626</td>
<td>Titanium grey, pearl</td>
<td>50-19-145</td>
</tr>
<tr>
<td>935636</td>
<td>Titanium grey, pearl</td>
<td>53-19-145</td>
</tr>
<tr>
<td>935646</td>
<td>Night blue, matt</td>
<td>50-19-145</td>
</tr>
<tr>
<td>935656</td>
<td>Night blue, matt</td>
<td>53-19-145</td>
</tr>
</tbody>
</table>

**Trial box telescope frames**

Contents: 6 telescope frames of your choice
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 hole made from CR39 (3 pieces each), set of washers, adapters for corrective lens, spare lock rings, penlight, titanium telescope frame.

- **Individual mounting parts**

- 93265 Mounting lens with mounting hole
  3 mm thick, CR39, Ø 80 mm, pack of 2 pieces
- 93265 Mounting lens without mounting hole
  3 mm thick, CR39, Ø 80 mm, pack of 2 pieces
- 932855 Mounting lens without mounting hole, frosted
  3 mm thick, CR39, Ø 80 mm, 1 piece
- 932715 Washer 0.5 mm thick
  Pack of 6 pieces
- 932725 Washer 1.0 mm thick
  Pack of 6 pieces
- 932735 Washer 2.0 mm thick
  Pack of 6 pieces
- 932745 Set of washers
  6 pieces each of 0.5 mm, 1.0 mm and 2.0 mm thickness
- 932775 Aluminium adapter for corrective lens (Ø 22 mm)
  Pack of 2 pieces
- 932785 Aluminium spare lock ring
  Pack of 2 pieces
- 936075 Penlight
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](image)

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

- Finger ring
  - Suitable for 3x9, 4x10, 4x12
  - Suitable for 6x16, 8x20

- 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 retinitis pigmentosa (RP)
  - Textured grip ensures excellent feel
  - Fold-down rubber eyecup for spectacle wearers to correct BVD
  - Convenient lanyard loop (lanyard included)

![Extender](image)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Magnification</th>
<th>Field of view</th>
<th>Objective</th>
<th>Housing</th>
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</thead>
<tbody>
<tr>
<td>943225</td>
<td>Extender</td>
<td>2x</td>
<td>34.0°</td>
<td>Ø 44 mm</td>
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<tr>
<td>931965</td>
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<td>4x</td>
<td>12.5°</td>
<td>Ø 12 mm</td>
<td>silver black</td>
</tr>
<tr>
<td>931975</td>
<td>Monocular 6x16</td>
<td>6x</td>
<td>10.0°</td>
<td>Ø 16 mm</td>
<td>silver black</td>
</tr>
<tr>
<td>931985</td>
<td>Monocular 8x20</td>
<td>8x</td>
<td>7.0°</td>
<td>Ø 20 mm</td>
<td>black</td>
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<tr>
<td>931995</td>
<td>Monocular 8x30</td>
<td>8x</td>
<td>8.5°</td>
<td>Ø 30 mm</td>
<td>black</td>
</tr>
<tr>
<td>933025</td>
<td>Monocular 10x20</td>
<td>10x</td>
<td>6.0°</td>
<td>Ø 20 mm</td>
<td>black</td>
</tr>
<tr>
<td>933035</td>
<td>Monocular 10x30</td>
<td>10x</td>
<td>6.0°</td>
<td>Ø 30 mm</td>
<td>black</td>
</tr>
</tbody>
</table>
Assessment charts help eye care professionals systematically detect and treat vision disorders. These indispensable tools have been specifically designed for low vision assessment and are all supplied with quick start guides.
Vision tests

- **SZB Bailey-Lovie chart set**
  - Set of 2 panels with logarithmic progression of optotypes
  - 5 optotypes per visual acuity level
  - Suitable for use at any viewing distance
  - Panel 1 for measuring distance visual acuity at normal contrast
  - Panel 2 for measuring distance visual acuity at low contrast
  - Dimensions: 56 x 65 cm (W x H)

- **Near vision reading test set**
  Up-to-date test in logarithmic layout according to DIN 58220 and ISO 8596. The test chart consists of unrelated sentences in different letter sizes. The notation below the smallest print the patient can still read fluently indicates the magnification required for reading newsprint. The Amsler grid test is included in the set.

- **Amsler grid test**
  The Amsler grid test for detecting and monitoring symptoms of macular degeneration is straightforward to administer. It comes printed on sturdy paper for ease of use.
www.optik-akademie.com

Anywhere, anytime, information and further training at your fingertips – just click now and go!
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!

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