SCHWEIZER Products for Improved Vision

Valid as per November 2009

SCHWEIZER

Der LowVision-Spezialist
The family company SCHWEIZER was founded already in the year 1840 in Germany. SCHWEIZER developed from a glass grinding company and the manufacturing of optical goods into a leading supplier of product solutions for improved vision.

Since 1945 until today SCHWEIZER produces magnifiers in Germany. The offered range is continuously expanded by new and innovative products.

Experience, competence, customer satisfaction and not at last the full dedication of the staff has made SCHWEIZER to a leading specialist for improved vision. For instance SCHWEIZER was the first company to introduce a modular magnifier system with interchangeable magnification heads to the world market. At the end of the nineties SCHWEIZER produced the world’s first illuminated magnifier with LED light.

The SCHWEIZER home in Forchheim/Germany with a production area of 5500 m²
Another world novelty was the development of a comprehensive ergonomic magnifier series for comfortable reading. Every time the user-friendly innovations are at the forefront of product solutions for improved vision.

The global export activities of SCHWEIZER in presently more than 40 countries are serviced by their sister company ImproVision. This name stands for Improved Vision. Highly specialized country distributors are identified, educated and supported permanently for the benefit of the local eye care professionals and their customers in a growing number of countries.
Magnifiers are the most common classic visual aids for improved vision.

They are used to enlarge the image of an object, for example for reading, in case of a reduced visual acuity or just for hobby and leisure in order to see details quite clearly.

Illuminated magnifiers combine such an enlarged image with the advantages of an optimized light. An individually tested light temperature is more comfortable and the reading is less stressful. Such a good and appropriate light results in a better visual acuity.
Magnifiers are a part of life. The ERGO-Line changes the use of a magnifier to a comfortable experience.

- Style and function are comprehensively combined under ergonomic aspects
- The ERGO-Line series is fully assimilated to natural body movements
- Thumb and index finger automatically control the fine tuning

**ERGO-Style**
The classic reading magnifier in a new ergonomic style for use at home or on the move.

**ERGO-Lux**
The version enriched by battery operated 4 chip SMD LED lighting for an ideal illumination in manifold applications.

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

**ERGO-Pocket**
The little magnifier is a smart companion on the move as it fits in every pocket and can also be attached to a lanyard.
ERGO-Style

The classic reading magnifier in a revolutionary style!

- The ergonomic design, the clear appearance and the completely new feel turn the use and the aesthetics into a new experience
- The right distance between the lens and the object as well as the ergonomic design ensure a natural and stress free posture
- Right-hand or left-hand use of all round lenses
- Available in 4 modern colours
- Aspheric lightweight lens

Box ERGO-Style with all 5 magnification powers

179312 Arcadian blue
179322 Caribbean blue
179332 Bordeaux red
179342 Kerry green
179352 Random mix of colours
179912 Without content

174312 Arcadian blue
174322 Caribbean blue
174332 Bordeaux red
174342 Kerry green
24 D / Ø 55 mm (opt. Ø 52,5 mm)

175312 Arcadian blue
175322 Caribbean blue
175332 Bordeaux red
175342 Kerry green
20 D / Ø 55 mm

176312 Arcadian blue
176322 Caribbean blue
176332 Bordeaux red
176342 Kerry green
16 D / Ø 60 mm

177312 Arcadian blue
177322 Caribbean blue
177332 Bordeaux red
177342 Kerry green
12 D / Ø 70 mm

178312 Arcadian blue
178322 Caribbean blue
178332 Bordeaux red
178342 Kerry green
8 D / 100 x 75 mm
ERGO-Line

ERGO-Lux

Battery operated illuminated hand magnifier in a revolutionary style with a 4 chip SMD LED.

- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object
- Low energy consumption and long battery lifetime – The change of the batteries is a child’s play due to an easy closing mechanism in the handle
- The ergonomic design, the clear appearance and the completely new feel turn the use and the aesthetics into a new experience
- The right distance between the lens and the object as well as the ergonomic design ensure a natural and stress free posture
- Right-hand or left-hand use of all round lenses
- Available in 4 modern colours
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)

Box ERGO-Lux with all 5 magnification powers

- 179012 Arcadian blue
- 179022 Caribbean blue
- 179032 Bordeaux red
- 179042 Kerry green
- 179052 Random mix of colours
- 179932 Without content

Pack of 3 AAA alkaline batteries

- 156002
ERGO-Base

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

- Connection by a patented magnetic mechanism which excludes any mechanical abrasion
- Easy scrolling on the object
- Stress-free reading inclination by tilting the fixed-focus holder towards the user
- The easy tilting mechanism guarantees a stable and firm hold by locking the reading inclination
- Right-hand or left-hand use of all round lenses
- For mobile use the magnifier is easily disconnected and separated
- Available for all 5 magnification powers of the ERGO-Lux series

174102  Suitable for ERGO-Lux 24 D / Ø 55 mm
175102  Suitable for ERGO-Lux 20 D / Ø 55 mm
176102  Suitable for ERGO-Lux 16 D / Ø 60 mm
177102  Suitable for ERGO-Lux 12 D / Ø 70 mm
178102  Suitable for ERGO-Lux 8 D / 100 x 75 mm

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

- **ERGO-Pocket**

Pocket magnifier with easy handling as well as an aesthetic and appealing design.

- Fits in every pocket
- Convenient integrated lanyard holder
- The ergonomic design ensures a natural and comfortable handling
- An intelligent folding mechanism enables a speedy opening of the magnifier with one movement of the hand
- Available in 4 modern colours
- Aspheric lightweight lens
LED illuminated hand magnifiers

ÖKOLUX plus mobil

Battery operated illuminated hand magnifier with a 4 chip SMD LED available in 3 light temperatures (2700 K, 4500 K and 6000 K).

- Improved reading fluency due to individually tested light temperature
- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object
- Low energy consumption and long battery lifetime – The change of the batteries is a child’s play due to an easy closing mechanism in the handle
- Microfiber pouch for protection and lens cleaning included
- Convenient integrated lanyard holder
- Aspheric lightweight lens
- 3 AAA alkaline batteries required (not included)

156002 Pack of 3 AAA alkaline batteries

134092 Box ÖKOLUX plus mobil 4500 K
Content: 28 D, 24 D, 20 D, 16 D, 12 D, 10 D, 10 D angled

134082 Display ÖKOLUX plus mobil 4500 K
Content: 24 D, 20 D, 16 D, 2 x 12 D, 10 D, 10 D angled

130082 Display ÖKOLUX plus mobil 3 light temp.
Content: 16 D in 4500 K; 20 D in 3 light temp.; 10 D angled in 3 light temp.

Suitable soft case

119602 Suitable for Ökolux plus mobil 56 D, 48 D, 39 D, 28 D
119612 passend für Ökolux plus mobil 24 D, 20 D, 16 D, 12 D
119622 passend für Ökolux plus mobil 10 D, 10 D angled
LED illuminated stand magnifiers

**ÖKOLUX plus**

Battery operated illuminated stand magnifier with a 4 chip SMD LED available in 3 light temperatures (2700 K, 4500 K and 6000 K).

- Improved reading fluency due to individually tested light temperature
- Separate battery handles in different light temperatures available
- Very bright, consistent and high-contrast light by the special light emitting diode
- Ideal illumination of the reading material or viewing object enhanced by light-coloured material of the closed magnification head
- Perfect handling through functional design
- Adjustable reading inclination of 8 D magnification head for right-hand or left-hand use
- Low energy consumption and long battery lifetime
- Aspheric lightweight lens
- 3 AA alkaline batteries required (not included)

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**Pack of 3 AA alkaline batteries**

**Box ÖKOLUX plus high power lenses 4500 K**
Content: 56 D, 48 D, 39 D, 28 D

**Box ÖKOLUX plus 4500 K**
Content: 20 D, 16 D, 12 D, 8 D
Magnification heads

Easily interchangeable closed magnification head available in 9 different magnification powers.

Magnifier handles

Easily interchangeable magnifier handle available in 3 different light temperatures.
LED illuminated stand magnifiers

- **TWIN LUX LED**

Illuminated stand magnifier with three 4 chip SMD LEDs in the light temperature 4500 K with battery operation or mains operation (only 230 V / 50 Hz with Euro-plug).

- 3 precisely aligned 4 chip SMD LEDs for consistent and high-contrast illumination
- Perfect handling through functional design
- Comfortable reading posture through ergonomically tilted style
- Low energy consumption and long battery lifetime
- 4.4x magnification power created by 2 aspheric lightweight lenses at an accurately computed distance
- The world’s largest field of view at a magnification power of 4.4x
- 3 AA alkaline batteries required (not included)

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**916202** Battery operation
8 D / 100 x 75 mm

**916002** Mains operation
8 D / 100 x 75 mm

**155002** Pack of 3 AA alkaline batteries
Illuminated stand magnifiers

■ MODULAR AKKU

Rechargeable battery operated stand magnifier (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) with krypton lighting “Kryptostar” (400 hrs. lifetime).
Built-in NiMH battery pack with a lifetime of about 1000 charging cycles. Operation time about 1,5 hrs. when fully charged. Only 2 hrs. charging time during operation.

■ MODULAR

Mains operated stand magnifier (only 230 V / 50 Hz with Euro-plug) with halogen lighting “Halostar” (2000 hrs. lifetime).

■ Ideal brightness and contrast
■ Many useful accessories
■ Available as complete magnifier
■ Set of filters included
■ Easily interchangeable open magnification head available in different magnification powers
■ Application of an additional lens for a total magnification power of 4.4 x with the most common rectangular lens as shown on page 17
■ Possibility to write under the low power lenses
■ Reading inclination for right-hand or left-hand use
■ Perfect handling through functional design
■ Low energy consumption
■ Aspheric lightweight lens

227002 Box MODULAR AKKU
Content: Complete magnifier 8 D; heads 20 D, 12 D;
set of 2 bottom plates

220002 Box MODULAR
Content: Complete magnifier 8 D; heads 20 D, 12 D;
set of 2 bottom plates

Images show MODULAR
### Illuminated stand magnifiers

- **MODULAR AKKU / MODULAR**
  open magnification heads

Easily interchangeable open magnification head available in 7 different magnification powers.

<table>
<thead>
<tr>
<th>Model</th>
<th>Magnification</th>
</tr>
</thead>
<tbody>
<tr>
<td>189102</td>
<td>39 D / Ø 35 mm</td>
</tr>
<tr>
<td>190102</td>
<td>28 D / Ø 35 mm</td>
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<tr>
<td>191102</td>
<td>20 D / Ø 55 mm</td>
</tr>
<tr>
<td>192102</td>
<td>16 D / Ø 60 mm</td>
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<tr>
<td>193102</td>
<td>12 D / Ø 70 mm</td>
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<td>194102</td>
<td>8 D / Ø 85 mm</td>
</tr>
<tr>
<td>196102</td>
<td>8 D / 100x75 mm</td>
</tr>
</tbody>
</table>
MODULAR AKKU basic unit
Krypton handle with separate transformer cable (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) and “Kryptostar” screw bulb, tilting part for individual inclination for right-hand or left-hand use, set of filters.

MODULAR basic unit
Halogen handle with fixed transformer cable (only 230 V / 50 Hz with Euro-plug) and “Halostar” plug bulb, tilting part for individual inclination for right-hand or left-hand use, set of filters.

MODULAR AKKU handle
Spare part with separate transformer cable (100 – 240 V / 50 – 60 Hz with Euro-plug, other plugs available on request) and “Kryptostar” screw bulb.

MODULAR handle
Spare part with fixed transformer cable (only 230 V / 50 Hz with Euro-plug) but without halogen plug bulb.

Additional lens 6 D
Aspheric lightweight lens (100x50 mm) in a slide-in mount. The additional lens is used in combination with the rectangular open magnification head. This gives a total magnification power of 4,4x across a large field of view.

Set of 2 bottom plates
Made from transparent plastic with guiding line or with reading bar (additional vertical magnification).

Tilting part
Spare part inclinable in both directions, for right-hand or left-hand use.
Aspheric reading magnifiers

- **BOY, SIR, BOSS**

Foldable reading magnifier with aspheric lightweight lens.

- Mount and handle made from matt black plastic
- Folding handle
- Folding stand made from metal with adjustable reading inclination

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<tr>
<th>Code</th>
<th>Description</th>
<th>Magnification</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>901002</td>
<td>BOY</td>
<td>8 D</td>
<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>
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<tr>
<td>903002</td>
<td>BOSS</td>
<td>8 D</td>
<td>100 x 75 mm</td>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>212002</td>
<td>Box BOY, SIR, BOSS, SEMPRAL</td>
</tr>
</tbody>
</table>

Content: 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>
SEMPRAL

The elegant design of the SEMPRAL series turns this everyday aid into a trendy product.

- Aspheric lightweight lens
- Ideal for reading or looking at pictures at good surrounding light conditions
- Convenient integrated lanyard holder

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

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
881502  6 D / 100 x 50 mm
Aspheric reading magnifiers

**FUNCTIONAL**

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

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<th>Details</th>
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<tbody>
<tr>
<td>833902</td>
<td>39 D / Ø 35 mm</td>
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<td>833502</td>
<td>28 D / Ø 35 mm</td>
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<tr>
<td>835502</td>
<td>20 D / Ø 55 mm</td>
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<td>836002</td>
<td>16 D / Ø 60 mm</td>
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<td>837002</td>
<td>12 D / Ø 70 mm</td>
<td></td>
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<tr>
<td>831002</td>
<td>6 D / Ø 100 mm</td>
<td></td>
</tr>
<tr>
<td>831702</td>
<td>8 D / 100 x 75 mm</td>
<td></td>
</tr>
</tbody>
</table>

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

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 biconvex glass lens.
  - Matt black round plastic handle; premium chrome-plated brass mount

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

- **ELEGANT**
  Reading magnifier with biconvex glass lens.
  - Handle made from noble wood; premium chrome-plated brass mount

**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
Special magnifiers

- **Visolett® magnifiers**

  Bright field magnifier made from glass with white plastic rim.

  - **Visolett® glass of DESAG**

- **Bright field magnifiers**

  Bright field magnifier made from acryl glass.

  - Concave bottom side avoids scratches
  - Black cloth pouch included

- **Box special magnifiers**

  Content: Visolett® magnifier
  - Ø 40 mm, Ø 65 mm + case,
  - Segment 25 x 65 mm; bright field magnifier Ø 50 mm, Ø 65 mm,
  - Ø 80 mm, Ø 95 mm; reading bar 140 x 20 mm, 200 x 35 mm

- **Trial box bright field magnifiers**

  Content: Visolett® magnifier segment
  - 25 x 65 mm; bright field magnifier 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

- **Velour leather case for reading bar**

  - Suitable for 140 x 20 mm
  - Suitable for 200 x 25 mm
  - Suitable for 200 x 35 mm
  - Suitable for 330 x 35 mm
Stand and needlework magnifiers

■ MODULAR TS

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

■ Available as complete magnifier
■ Possibility to write under the low power lenses
■ Reading inclination for right-hand or left-hand use
■ Aspheric lightweight lens
■ Use of all open magnification heads as shown on page 16 and use of set of 2 bottom plates as shown on page 17

■ Needlework magnifier

The ideal magnifier for needlework.

■ Biconvex lightweight lens with higher power insert to see details more clearly
■ Mount and rest made from transparent acryl
■ Adjustable neck cord
Pocket magnifiers

- Folding magnifiers with leather housing

Convenient pocket magnifier with biconvex glass lens.

- Mount made from transparent plastic
- Housing made from strong grain leather

418342 Graphite black, 20 D / Ø 30 mm

418312 Red, 20 D / Ø 30 mm

418642 Graphite black, 10 D / Ø 60 mm

418612 Red, 10 D / Ø 60 mm
Working stand magnifiers

- **Stand magnifier with glass lens**
  Hands-free magnifier with aplanatic optical system.
  - Chrome-plated metal mount
  - Cast base coated with black plastic Ø 130 mm
  - Flexible metal goose neck with 300 mm length

- **Stand magnifier with lightweight lens**
  Ideal image quality across a large rectangular field of view.
  - Black plastic mount
  - Cast base coated with black plastic Ø 130 mm
  - Flexible metal goose neck with 300 mm length

- **Illuminated stand magnifiers**
  Ideal illumination in the light temperature 4000 K (only 230 V / 50 Hz with Euro-plug).
  - Biconvex glass lens
  - Table clamp and adjustable arm or table base and flexible metal goose neck

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![Image of stand magnifier with glass lens](image1.png)

**312652** 10 D / Ø 65 mm, aplanatic optical system

![Image of stand magnifier with lightweight lens](image2.png)

**314002** 8 D / 100x75 mm, aspheric lightweight lens

![Image of illuminated stand magnifier](image3.png)

**292132** 4 D / Ø 120 mm, biconvex glass lens
Adjustable arm, table clamp, 13 W energy saving lamp 4000 K

**290132** 4 D / Ø 120 mm, biconvex glass lens
Goose neck, table base, 13 W energy saving lamp 4000 K
The therapeutic service for visually impaired people starts with an optimization of the lighting according to the person’s needs.

In multiple studies with visually impaired people Professor Hartmann from Munich/Germany has diagnosed that a very good and appropriate lighting results in a considerably increased visual acuity. An individually tested light temperature is more comfortable and the reading is less stressful.

With an optimized lighting the otherwise needed magnification requirement can be reduced.
LowVision lamps

LowVision floor lamp electronic

- Floor base lamp with 18 W fluorescent tube and electronic ballast for a flicker-free illumination and a better light efficiency.
- Lightweight and solid
- Flexible goose neck

- Dimensions:
  - Floor – Goose neck: 105 cm
  - Goose neck: 28 cm
  - Lamp head: 35 cm

- Power supply only 230 V / 50 Hz with Euro-plug
- Fixed cord with plug 210 cm

### LowVision floor lamp electronic

<table>
<thead>
<tr>
<th>Code</th>
<th>Wattage</th>
<th>Color Temperature</th>
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<tbody>
<tr>
<td>936833</td>
<td>18 W</td>
<td>2700 K</td>
</tr>
<tr>
<td>936843</td>
<td>18 W / 4000 K</td>
<td></td>
</tr>
<tr>
<td>936853</td>
<td>18 W / 6500 K</td>
<td></td>
</tr>
<tr>
<td>936863</td>
<td>18 W / VisionSaver Plus</td>
<td></td>
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### Spare tube

<table>
<thead>
<tr>
<th>Code</th>
<th>Wattage</th>
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<tbody>
<tr>
<td>936873</td>
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<td>936503</td>
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<td>936893</td>
<td>18 W / 6500 K</td>
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</tr>
<tr>
<td>936903</td>
<td>18 W / VisionSaver Plus</td>
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</tr>
</tbody>
</table>
■ MULTILIGHT electronic

Folding task lamp with 13 W fluorescent tube and electronic ballast for a flicker-free illumination and a better light efficiency.
■ Switches on and off automatically as the head is opened and closed
■ Lightweight and requires only little space
■ Portable and compact; also with rechargeable battery (Akku)
■ Footprint: 90 x 90 mm (mains), 90 x 100 mm (Akku); height: 280 mm; weight: 950 g (mains), 1400 g (Akku)
■ Power supply only 230 V / 50 Hz with Euro-plug
■ Fixed cord with plug 210 cm (mains), 190 cm (Akku)
■ 3 hours permanent operation with rechargeable battery (Akku)

■ LowVision table lamp electronic

Table lamp with solid table base, 11 W fluorescent tube and electronic ballast for a jitter-free instant start, flicker-free illumination and a better light efficiency.
■ Lamp head can be positioned ideally through adjustable arm
■ Power supply only 230 V / 50 Hz with Euro-plug
■ Fixed cord with plug 150 cm
The main demands of visually impaired people – often elderly persons – are the reading of newspapers, bank statements, telephone directories, package inserts of drugs and watching television.

Consequently one essential target of providing visual aids is the maintenance or rather the restoration of the reading ability. This challenge often can also be resolved with telescopes which at the same time are also suitable for far and intermediate working distances such as for example watching television.

Telescopes with a magnification power between about 2x and 4x are mounted in a frame to create hands-free telescopic spectacles. For higher magnification needs hand-held monocular telescopes are used.
Galilei telescopes

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

- Two groups of computer-optimised lenses
- Designed for mounting in a frame, lock ring included
- Ideal for SCHWEIZER telescope frames as shown on page 42 and 43
- Set infinite focal distance; front caps for close working distances (reading)
- Correction of refractive errors and adjustment of the set infinite focal distance through a back correction lens with Ø 22 mm
- Binocular use for close working distances is possible with special mounting lenses

Flip-up front caps

Front cap for 2 working distances.

- First fixed lens for an intermediate working distance of 2 m to match a common TV distance (no need of the back correction lens)
- Second flip-up lens for close working distances available in 3 powers; folds down and up easily
- Easy use for close working distances (monocular)

Accessories

- Flip-up front caps

Front caps, coated

<table>
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<tr>
<th>Part Number</th>
<th>Diopter</th>
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<tbody>
<tr>
<td>931635</td>
<td>3.0 D</td>
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<td>931645</td>
<td>4.0 D</td>
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<td>931655</td>
<td>5.0 D</td>
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<tr>
<td>931665</td>
<td>6.0 D</td>
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<tr>
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<td>8.0 D</td>
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<tr>
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<td>12.0 D</td>
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- Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>931505</td>
<td>Opaque front cap</td>
</tr>
<tr>
<td></td>
<td>For occlusion of one eye</td>
</tr>
<tr>
<td>931515</td>
<td>Empty front cap housing</td>
</tr>
</tbody>
</table>

For individual front cap (pack of 2)
Binocular use

Mounting lens for binocular use with the according convergence.

- Mounting lens packed in pairs inclusive mounting adapters for the fitting of back correction lenses
- Mounting lens made from PMMA material (Plexiglas®)

937106 Case for telescopic spectacles

931037 Trial box Galilei
Content: 2 x 2,1x in adapter for trial frame; all coated front caps and opaque front cap; 2 empty spaces for 2,7x in adapter for trial frame (not included)

| 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 inclusive mounting adapter

Convergence adapter for trial frame
Kepler telescopes

Small and lightweight focusable Kepler telescope.

- Multi-coated achromatic precision optics
- Silver-black light metal housing, matt finish
- Focusable between infinity and about 250 mm
- Designed for mounting in a frame, 2 lock rings included
- Optional adapter to use the front caps of SCHWEIZER Galilei telescopes for close working distances
- Ideal for SCHWEIZER telescope frames as shown on page 42 and 43

<table>
<thead>
<tr>
<th>Code</th>
<th>Model</th>
<th>Magnification</th>
<th>Field of View</th>
<th>Objective Diameter</th>
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<td>Kepler 3x9</td>
<td>3x</td>
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<td>931945</td>
<td>Kepler 4x10</td>
<td>4x</td>
<td>10.0°</td>
<td>Ø 10 mm</td>
</tr>
<tr>
<td>931955</td>
<td>Kepler 4x12</td>
<td>4x</td>
<td>12.5°</td>
<td>Ø 12 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>937106</td>
<td>Case for telescopic spectacles</td>
</tr>
</tbody>
</table>
Application tip

SCHWEIZER Kepler telescopes can be focused for the needed working or reading distance. Furthermore they offer the following application possibilities:

Application with focus stop ring
For a particular application of the telescope such as watching television the eye care professional brings the telescope into focus and fastens the focus stop ring on the housing to act as a stopper.

For closer working distances the visually impaired person can still screw out the objective to bring the telescope into focus. By turning back the objective up to the stopper the telescope easily is focused again for the original application such as watching television.

Application with fixed focus
For this purpose the telescope is brought into focus for a particular application such as watching television and the eye care professional locks this focal distance with the screws in the housing. For close working distances the front caps of SCHWEIZER Galilei telescopes can be used with an adapter.

Elderly visually impaired people often prefer a fixed focal distance due to some motor dysfunctions.

Accessories

Adapter for front caps

<table>
<thead>
<tr>
<th>Code</th>
<th>Suitable for</th>
</tr>
</thead>
<tbody>
<tr>
<td>932515</td>
<td>3 x 9, 4 x 10</td>
</tr>
<tr>
<td>932535</td>
<td>4 x 12</td>
</tr>
</tbody>
</table>
Frame mounting of telescopes

- Box of mounting parts

This box contains all mounting parts which are needed to mount a telescope in a frame: Mounting lenses with and without mounting slot made from CR39 (3 pcs. each), set of washers, spare lock rings, adapters for back correction lens, adapters for trial frame, centring test lamp, titanium telescope frame with stencils.

- Individual mounting parts

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>932765</td>
<td>Mounting lens with mounting slot</td>
<td>3 mm thickness, Ø 80 mm, pack of 2 pieces</td>
</tr>
<tr>
<td>932865</td>
<td>Mounting lens without mounting slot</td>
<td>3 mm thickness, Ø 80 mm, pack of 2 pieces</td>
</tr>
<tr>
<td>932715</td>
<td>Washer 0,5 mm thickness</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932725</td>
<td>Washer 1,0 mm thickness</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932735</td>
<td>Washer 2,0 mm thickness</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>932755</td>
<td>Adapter for back correction lens (Ø 22 mm)</td>
<td>Pack of 6 pieces</td>
</tr>
<tr>
<td>932785</td>
<td>Spare lock ring made from aluminium</td>
<td>Pack of 2 pieces</td>
</tr>
</tbody>
</table>

Mounting service:

Please request a quotation for individually made ready-to-use telescopic spectacles from SCHWEIZER for your customers.
Monoculars

Hand-held Kepler telescope.

- Multi-coated achromatic precision optics
- Light metal housing, matt finish
- Eversible eye cup to correct the back vertex distance BVD for spectacle wearers
- Ideal for the maintenance of individual mobility (seeing bus numbers, street signs; reading time tables, price tags; etc.)
- Small and handy
- Focusable between infinity and about 250 mm
- Soft case and neck cord included
- Use as a hand microscope with the acrylic stand as shown on page 38

Please note:

Monoculars are primarily designed for distance orientation. They are an accepted product solution for the maintenance of mobility.

<table>
<thead>
<tr>
<th>Code</th>
<th>Model</th>
<th>Magnification</th>
<th>Field of View</th>
<th>Objective Ø</th>
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<tbody>
<tr>
<td>931965</td>
<td>Monocular 4x12</td>
<td>4x</td>
<td>12,5°</td>
<td>12 mm</td>
</tr>
<tr>
<td>931975</td>
<td>Monocular 6x16</td>
<td>6x</td>
<td>10,0°</td>
<td>16 mm</td>
</tr>
<tr>
<td>931985</td>
<td>Monocular 8x20</td>
<td>8x</td>
<td>7,0°</td>
<td>20 mm</td>
</tr>
<tr>
<td>931995</td>
<td>Monocular 8x30</td>
<td>8x</td>
<td>8,5°</td>
<td>30 mm</td>
</tr>
<tr>
<td>933025</td>
<td>Monocular 10x20</td>
<td>10x</td>
<td>6,0°</td>
<td>20 mm</td>
</tr>
</tbody>
</table>
Accessories for monoculars

- **Transparent acrylic stand**

  Can be used separately as a 3x stand magnifier or can be screwed on the monocular. In combination with the monocular 6x16, 8x20, 8x30 und 10x20 it acts as a hand microscope with a magnification of 20x, 25x or 30x.

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

- **Finger ring**

  Makes it easier to handle the monocular for outdoor orientation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>933775</td>
<td>Suitable for 4x12, small</td>
</tr>
<tr>
<td>933215</td>
<td>Suitable for 6x16, 8x20, large with short eye cup</td>
</tr>
</tbody>
</table>

- **Extender**

  A multifunctional aid for mobile use. Can be used as a basic hand-held telescope (such as a 2x fixed focus telescope with excellent depth of sharpness). Used inverse it serves as a field enlarger with the factor 2, this means that a field of view of 20° is turned into 40° – ideal for visually impaired people with RP. Combined with the monoculars 6x16 or 8x20 the extender doubles the magnification.

<table>
<thead>
<tr>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>943225</td>
<td>Extender</td>
</tr>
</tbody>
</table>
Buser-Bauernfeind prism

An additional aid for monoculars used at school as well as in case motor dysfunctions or physical impairments prevent the efficient use of monoculars. A small prism is plugged onto the monocular. The resulting 45° deflection for example enables the user to read from a distant blackboard and to write without changing the posture. An ideal use is only possible with a small table tripod.
Product solutions for improved vision also include aids which are instrumental or essential for the use of other devices. Amongst them are various special spectacle frames such as telescope frames.

In addition there are available daily living aids. For example reading stands make the use of stand magnifiers more convenient or TV-screens improve the quality of life of visually impaired people further.
Telescope frames

- **Titanium telescope frames**
  - with variable nose bridge system

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

  - **Material:** 100% titanium, welded, hypoallergenic, solder-free, screws and nose 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, optional flat saddle bridge for reduced back vertex distance BVD**
  - **Meets the technical and medical requirements for listed aids of the compulsory health insurance in Germany**
  - **Unisex:** Style and colouring equally suit ladies, gentlemen and adolescents

<table>
<thead>
<tr>
<th>Style Code</th>
<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>935736</td>
<td>Ice blue colour, matt</td>
<td>47-18-145</td>
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<td>935716</td>
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<td>50-18-145</td>
</tr>
<tr>
<td>935726</td>
<td>Ice blue colour, matt</td>
<td>53-18-145</td>
</tr>
<tr>
<td>935766</td>
<td>Gold colour, matt</td>
<td>47-18-145</td>
</tr>
<tr>
<td>935746</td>
<td>Gold colour, matt</td>
<td>50-18-145</td>
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<tr>
<td>935756</td>
<td>Gold colour, matt</td>
<td>53-18-145</td>
</tr>
<tr>
<td>935796</td>
<td>Bordeaux red colour, matt</td>
<td>47-18-145</td>
</tr>
<tr>
<td>935776</td>
<td>Bordeaux red colour, matt</td>
<td>50-18-145</td>
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<tr>
<td>935786</td>
<td>Bordeaux red colour, matt</td>
<td>53-18-145</td>
</tr>
<tr>
<td>935826</td>
<td>Titanium grey colour, matt</td>
<td>47-18-145</td>
</tr>
<tr>
<td>935806</td>
<td>Titanium grey colour, matt</td>
<td>50-18-145</td>
</tr>
<tr>
<td>935816</td>
<td>Titanium grey colour, matt</td>
<td>53-18-145</td>
</tr>
</tbody>
</table>

**Please note:**

In most cases a large back vertex distance BVD is necessary for telescopic spectacles. The SCHWEIZER telescope frames are designed accordingly. However, if needed the back vertex distance BVD of the titanium telescope frames can be reduced by 3 mm. For this purpose an optional flat saddle bridge can be mounted. This is a fast and easy way to react to different optical and anatomic conditions.
Requirements for listed telescopic frames of the compulsory health insurance in Germany:

- Frame made from metal with strong rigid bridge, stable and torsion-free
- Comply with Medical Device Directive 93/42/EEC
- Adjustable temple ends
- Silicone contact surface of the saddle bridge and the temple ends

Please note:

- Standard telescope frames

The lens shape makes this telescope frame also suitable for most telescopes from third parties which for instance require a very large mounting diameter.

- Material: Skin friendly special alloy, screws and nose bridge insert made from stainless steel
- Curl temple 155 mm or 165 mm with silicone sleeve, optional Golf temple 155 mm or 165 mm
- Adjustable saddle bridge 17 mm, optional 19 mm

Trial box telescope frames

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Material</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>936076</td>
<td>Trial box telescope frames</td>
<td>Skin friendly special alloy, screws and nose bridge insert made from stainless steel</td>
<td>48-18-155</td>
</tr>
<tr>
<td>937106</td>
<td>Case for telescopic spectacles</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Content: 3 x titanium telescope frame; 3 x standard telescope frame
Magnetic clip frames

The ideal solution for individual customer requests or for special vision tasks such as glare protection, high additions or additions for overhead work.

- One clip with polarized lenses included
- Additional clips for individual needs available as an option
- Automatic centring of the clip through strong magnetic adhesion
- Clip can easily be flipped up in 2 different positions

All frames on this double-page spread contain the following items:

- Magnetic clip frame
- Clip with polarized lenses (brown or grey)
- Spare clip for individual needs
- Hard case

950706 Champange colour, matt
Size 52-18

950756 Anthracite colour
Size 52-18

950806 Champange colour, matt
Size 53-19
<table>
<thead>
<tr>
<th>Style</th>
<th>Colour</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>950106</td>
<td>Gold colour, glossy</td>
<td>52-19</td>
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<tr>
<td>950156</td>
<td>Anthracite colour, glossy</td>
<td>52-19</td>
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<td>950206</td>
<td>Gold colour, glossy</td>
<td>54-19</td>
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<td>950256</td>
<td>Anthracite colour, glossy</td>
<td>54-19</td>
</tr>
<tr>
<td>950306</td>
<td>Gold colour, glossy</td>
<td>52-19</td>
</tr>
<tr>
<td>950356</td>
<td>Anthracite colour, glossy</td>
<td>52-19</td>
</tr>
<tr>
<td>950406</td>
<td>Gold colour, glossy</td>
<td>50-19</td>
</tr>
<tr>
<td>950456</td>
<td>Anthracite colour, glossy</td>
<td>50-19</td>
</tr>
</tbody>
</table>
Magnetic clip frames

- **951106** Gold-brown colour, glossy
  Size 50-19

- **951156** Silver colour, glossy
  Size 50-19

- **951206** Bronze-brown colour, glossy
  Size 52-19

- **951256** Anthracite colour, glossy
  Size 52-19

- **951306** Bronze-brown colour, glossy
  Size 52-19

- **951356** Anthracite colour, glossy
  Size 52-19

- **951406** Bronze-brown colour, glossy
  Size 52-19

- **951456** Anthracite colour, glossy
  Size 52-19

All frames on this double-page spread contain the following items:

- Magnetic clip frame
- Clip with polarized lenses (brown or grey)
- Hard case
Accessories

950976 Universal magnetic clip frame
Size 52-20, can also be used without lenses as a clip carrier

950956 Universal magnetic bridge
64 mm, for common frames

950996 Universal Nylor clip
Size 52-19
Protective frames

Ideal for photo-allergies and for sufferers of high pollen levels as well as for safety at work for multiple applications.

- Individual prescription lenses can be mounted
- Strong frame made from solid acetate
- The anatomically designed protection avoids glare from the bottom, from the sides and especially from the top
- Perfect UV protection of the whole eye area
- In addition a matt surface reduces light reflexions on the frame edges

937716 Brown colour
Size 48-17

937726 Black colour
Size 48-17

937556 Brown colour
Size 50-17

937566 Black colour
Size 50-17

937576 Brown colour
Size 52-17

937596 Black colour
Size 52-17

937586 Brown colour
Size 54-17

937606 Black colour
Size 54-17

937126 Case for protective frames
Eyewear display

Flexible Topseller display

Showcase selected eyewear separately, highlight certain visual aids effectively, draw attention to special offers during a consultation:

With the SCHWEIZER Topseller display you have available at the same time a multifunctional as well as a striking sales tool. This means better sales and more turnover!

504508 Topseller display box with topper
W/D/H: 37,5/18,5/73,0 cm;
topper for 6 frames,
1 drawer for 8 frames,
2 drawers for 6 frames

504518 Topseller display box
W/D/H: 37,5/18,5/24,0 cm, stackable;
1 drawer for 8 frames,
2 drawers for 6 frames

Hotline:

Phone +49 - 9191 - 72 10 56
Fax +49 - 9191 - 72 10 73
Email info@improvision-lvs.com
Daily living aids

**TV-Screens**

Large image magnifier according to the principle of a Fresnel lens. The TV-Screen is just positioned in front of the TV set or computer monitor and the picture is magnified. An appreciated aid especially in recreation rooms of nursing homes.

Specification: Includes stand; installation in front of the TV set; adjustable height.

<table>
<thead>
<tr>
<th>Model</th>
<th>Screen Diagonal</th>
<th>Magnified Image Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>937816</td>
<td>45 cm</td>
<td>About 66 cm / 52 x 42 cm</td>
</tr>
<tr>
<td>937826</td>
<td>56 cm</td>
<td>About 78 cm / 62 x 48 cm</td>
</tr>
<tr>
<td>937836</td>
<td>72 cm</td>
<td>About 93 cm / 75 x 55 cm</td>
</tr>
<tr>
<td>937846</td>
<td>82 cm</td>
<td>About 106 cm / 86 x 63 cm, roll stand</td>
</tr>
<tr>
<td>937966</td>
<td>70 cm, 16:9</td>
<td>About 86 cm / 75 x 42 cm</td>
</tr>
<tr>
<td>937976</td>
<td>82 cm, 16:9</td>
<td>About 96 cm / 84 x 47 cm</td>
</tr>
</tbody>
</table>

**Standard reading stand**

- Comfortable reading position for reading materials placed on the surface
- Large surface with a size of 40 x 50 cm
- Robust quality
- Easy operation
- No slipping on the table
- Inclination adjustable in multiple steps
- Natural wood

**Reading stand with lamp**

- Same specification as the standard reading stand, in addition:
  - Fixed lamp
  - Special fluorescent tube, 15 W (length 438 mm), 4000 K
  - Special reflector for homogenous illumination
  - Power supply only 230 V / 50 Hz with Euro-plug
  - Fixed cord with plug 250 cm

**Economic reading stand**

- Basic plastic reading stand
- Surface with a size of 32 x 28 cm and a fixed inclination of 23°
- Pack of 2 pieces
The binocular clip-on magnifier RIDO-Clip is a basic optical aid.

- 2 joined lenses with convergence supporting prisms
- Clipped on the spectacles of the user
- 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
- Convergence supporting prisms
- Easy handling, simply clipped on the spectacles
- Both hands remain free for working

**RIDO-Clip inclusive lens part**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Magnification</th>
<th>Working Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>934021</td>
<td>4 D</td>
<td>250 mm</td>
</tr>
<tr>
<td>934011</td>
<td>6 D</td>
<td>180 mm</td>
</tr>
<tr>
<td>934031</td>
<td>8 D</td>
<td>125 mm</td>
</tr>
</tbody>
</table>

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

Content: Clip and one lens part each 4 D, 6 D, 8 D
Do you have questions …

… about our products or do you need further information?
Please give us a call, we have the right specialists for you!

<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>
<tr>
<td>Internet</td>
<td><a href="http://www.improvision-lvs.com">www.improvision-lvs.com</a></td>
</tr>
</tbody>
</table>