Low Vision Solutions
Comprehensive Product Range

Catalogue 2016/2017

Optelec

Freephone: 080 8090 8090
Buy online: www.optelec.co.uk
About Optelec

Optelec enjoyed a successful and eventful year in 2015 as we celebrated our 40th anniversary. Once again, innovative new products were developed and launched. The Traveller HD and Compact+ HD video magnifiers built on the continuing success of the ClearView C range. See pages 15 and 16 for details.

We are firmly established as the UK distributor for the Schweizer range. Their new ERGO mobil range of handheld optical magnifiers quickly became established as the market leading option. See pages 3 and 4 for information about this product range, including new models for left-handed users which are unique in the marketplace.

Last Autumn, Optelec announced a merger with Freedom Scientific, the world’s leading developer of software products for the blind and visually impaired community. Together, this joint company is the world’s largest designer and producer of VI adaptive technology.

Exciting times lie ahead as we bring together the experience and knowledge that exists within this new organisation. We look forward to keeping in touch with you over the course of the next year and thank you for the ongoing support.
1 Optical Magnifiers

Contents

LED Illuminated Hand Magnifiers p. 3
LED Illuminated Stand Magnifiers p. 7
Special Magnifiers p. 9
Aspheric Reading Magnifiers p. 10
Stand and Needlework Magnifiers p. 11
Pocket Magnifiers p. 12
ERGO mobil


- 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 the ideal adjustment of light intensity
- Individually tested light temperatures improve reading fluency
- Low energy consumption and easy battery replacement thanks to the simple closing mechanism in the handle which locks with a distinct click
- Ergonomic design and soft-touch zone for additional grip strength and pleasant feel in a timeless white/charcoal grey
- 17 magnifier models in the range, 11 powers, 3 light temperatures and 2 brightness levels
- Aspheric lightweight lenses
- 3 times AAA alkaline batteries required (one set included)
- 2 year warranty (excluding batteries)

Light temperatures

<table>
<thead>
<tr>
<th>Warm 2700 K</th>
<th>Neutral 4500 K</th>
<th>Cool 6500 K</th>
</tr>
</thead>
<tbody>
<tr>
<td>162562</td>
<td>164562</td>
<td>166562</td>
</tr>
<tr>
<td>12x / 48 D / Ø 35 mm (opt. Ø 27.5 mm)</td>
<td>162482</td>
<td>164482</td>
</tr>
<tr>
<td>10x / 39 D / Ø 35 mm</td>
<td>162392</td>
<td>164392</td>
</tr>
<tr>
<td>7x / 28 D / Ø 35 mm</td>
<td>162282</td>
<td>164282</td>
</tr>
<tr>
<td>6x / 24 D / Ø 55 mm (opt. Ø 52.5 mm)</td>
<td>162242</td>
<td>164242</td>
</tr>
<tr>
<td>5x / 20 D / Ø 55 mm</td>
<td>162202</td>
<td>164202</td>
</tr>
<tr>
<td>4x / 16 D / Ø 60 mm</td>
<td>162162</td>
<td>164162</td>
</tr>
<tr>
<td>4x / 16 D / Ø 35 mm</td>
<td>162172</td>
<td>164172</td>
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</tbody>
</table>
Hand Magnifiers

The LED colour temperature is measured in Kelvin (K). The higher the Kelvin, the brighter the output. Schweizer magnifiers, task lights and reading stands featuring LED Illumination, are available in a choice of options:

- 2,700K LED light for those sensitive to glare.
- 4,500K LED light which emits a 'daylight' light – for when you require additional lighting to read from a favourite magazine, book or daily newspaper.
- 6,500K LED light provides a powerful bright white light which is ideal for illuminating the page you are reading.

**Light temperatures**

<table>
<thead>
<tr>
<th>Warm LED 2700 K</th>
<th>Neutral LED 4500 K</th>
<th>Cool LED 6500 K</th>
</tr>
</thead>
<tbody>
<tr>
<td>162122</td>
<td>164122</td>
<td>166122</td>
</tr>
<tr>
<td>3x / 12 D / Ø 70 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162132</td>
<td>164132</td>
<td>166132</td>
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<tr>
<td>3x / 12 D / Ø 35 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162102</td>
<td>164102</td>
<td>166102</td>
</tr>
<tr>
<td>2.5x / 10 D / 75 x 50 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162092</td>
<td>164092</td>
<td>166092</td>
</tr>
<tr>
<td>2x / 8 D / Ø 85 mm</td>
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<tr>
<td>162082</td>
<td>164082</td>
<td>166082</td>
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<tr>
<td>2x / 8 D / 100 x 75 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162062</td>
<td>164062</td>
<td>166062</td>
</tr>
<tr>
<td>1.5x / 6 D / Ø 100 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Recently launched

**Particularly designed for left-handed users**

- 2.5x / 10 D / 75 x 50 mm left-handed head
  - 162142 164142 166142
- 2x / 8 D / 100 x 75 mm left-handed head
  - 162072 164072 166072
- 1.5x / 6 D / Ø 100 mm left-handed head
  - 162062 164062 166062
Ökolux plus mobil

Schweizer Ökolux handheld magnifiers are the preferred choice of many eyecare professionals and those affected by sight loss. The advanced on-board 4-chip SMD LED provides consistent high-contrast lighting, using little battery power. As well as choosing your preferred magnification strength, the LED light is available in a choice of three light temperatures for improved reading fluency.

Key benefits

- Low energy consumption – one set of batteries included (3 times AAA) which are easy to install
- Superior quality optic lens
- Small and lightweight making them ideal for those wishing to read around the home or on the go
- 2 year warranty (excluding batteries)
- Soft micro-fibre carrycase included for lens cleaning and protection
- Convenient integrated lanyard holder (lanyard available separately)
Hand Magnifiers

1.5x / 6 D / Ø 100 mm straight

2.5x / 10 D / 75 x 50 mm straight

2.5x / 10 D / 75 x 50 mm angled

2x / 8 D / Ø 85 mm

Light temperatures
- Warm 2700 K
- Neutral 4500 K
- Cool 6500 K

132112 134112 136112
132102 134102 136102
132802 134802 136802
132062 134062 136062

130092 ÖKOLUX plus mobil base
Writing and reading stand suitable for ÖKOLUX plus mobil
LED Illuminated Stand Magnifiers

**ÖKOLUX plus**

**Key benefits**

- Low energy consumption – one set of batteries included (3 times AA - excludes magnifier heads) which are easy to install
- Superior quality aspheric optical lens
- Small and lightweight making them ideal for those wishing to read around the home or on the go
- 2 year warranty (excluding batteries)
- Soft micro-fibre carrycase included for lens cleaning and protection

**ÖKOLUX plus magnification handle / heads**

Interchangeable lens heads, available in a variety of magnification strengths / handles in a choice of light temperatures.
Stand Magnifiers

MODULAR LED

Key benefits

- Benefit from different magnification strengths - easy to interchange between lenses
- Possibility to write beneath the lower strength lenses
- Low energy consumption – uses 3 times AA batteries (available separately) which are easy to install
- Superior quality aspheric optical lens
- Small and lightweight making them ideal for those wishing to read around the home or on the go

MODULAR LED handle/heads

- MODULAR basic unit

190222 190242 190262
7x / 28 D / Ø 35 mm

191222 191242 191262
5x / 20 D / Ø 55 mm

192222 192242 192262
4x / 16 D / Ø 60 mm

193222 193242 193262
3x / 12 D / Ø 70 mm

195222 195242 195262
1.5x / 6 D / Ø 100 mm

196222 196242 196262
2x / 8 D / 100 x 75 mm

Light temperatures

- Warm 2700 K
- Neutral 4500 K
- Cool 6500 K
LED Illuminated Stand Magnifiers

■ TWIN LUX LED

Schweizer Twin Lux LED stand magnifiers offer the world’s largest field of view at 4.4 times magnification. Designed for people experiencing difficulty holding a magnifier at the correct distance away from the page, simply place on a book, magazine or newspaper and slide across the page.

Key benefits
■ Generous field of view (100 x 75 mm) at 4.4x magnification
■ 2 aspheric lightweight lenses combined
■ Low energy consumption – uses 3 times AA batteries (available separately) which are easy to install
■ 2 year warranty (excluding batteries)

Special Magnifiers

■ Schweizer Reading Bars

Reading bar made from clear optical plastic.
■ Integrated handle recess
■ Vertical magnification
■ Cloth pouch included

<table>
<thead>
<tr>
<th>Schweizer Reading Bars</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>432142</td>
<td>2 x / 165 x 20 mm</td>
</tr>
<tr>
<td>433202</td>
<td>1.5 x / 250 x 32 mm</td>
</tr>
<tr>
<td>432202</td>
<td>1.5 x / 220 x 35 mm</td>
</tr>
<tr>
<td>432332</td>
<td>1.5 x / 350 x 35 mm</td>
</tr>
</tbody>
</table>
Aspheric Reading Magnifiers

**SEMPRAL**

The classic reading magnifier in an elegant design.
- Aspheric lightweight lens
- Convenient integrated lanyard holder

Soft cases for SEMPRAL / FUNCTIONAL

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>119602</td>
<td>Suitable for 10x / 39 D, 7x / 28 D</td>
</tr>
<tr>
<td>119612</td>
<td>Suitable for 5x / 20 D, 4x / 16 D</td>
</tr>
<tr>
<td>119632</td>
<td>Suitable for 3x / 12 D</td>
</tr>
</tbody>
</table>

**FUNCTIONAL**

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

**Bright field magnifiers**

Bright field magnifier made from acrylic glass.
- Concave base avoids scratches
- Black cloth pouch included

<table>
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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>930672</td>
<td>1.8x / Ø 50 mm</td>
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<tr>
<td>930682</td>
<td>1.8x / Ø 65 mm</td>
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<td>930692</td>
<td>1.8x / Ø 80 mm</td>
</tr>
<tr>
<td>930702</td>
<td>1.8x / Ø 95 mm</td>
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Bright field magnifier with guiding line

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<td>1.8x / Ø 50 mm</td>
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<tr>
<td>930772</td>
<td>1.8x / Ø 65 mm</td>
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<tr>
<td>930782</td>
<td>1.8x / Ø 80 mm</td>
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<td>930792</td>
<td>1.8x / Ø 95 mm</td>
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**SEMPRAL**

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<td>7x / 28 D / Ø 35 mm</td>
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<td>885502</td>
<td>5x / 20 D / Ø 55 mm</td>
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<tr>
<td>886002</td>
<td>4x / 16 D / Ø 60 mm</td>
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<tr>
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<td>3x / 12 D / Ø 70 mm</td>
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**FUNCTIONAL**

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<th>Description</th>
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<td>2x / 8 D / Ø 85 mm</td>
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<td>881502</td>
<td>1.5x / 6 D / 100 x 50 mm</td>
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<table>
<thead>
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<td>835502</td>
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<td>1.5x / 6 D / 100 x 50 mm</td>
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**FUNCTIONAL**

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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>831702</td>
<td>2x / 8 D / 100 x 75 mm</td>
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</tbody>
</table>

10
Stand and Needlework Magnifiers

- **Needlework magnifier**
  
  The ideal magnifier for needlework made from transparent acrylic.
  - Adjustable neck cord
  - Biconvex lightweight lens with higher power insert to view in greater detail

- **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

### Needlework magnifier

- **794002** Needlework magnifier
  
  4 D with insert 3.5x / 14 D / Ø 30 mm

### BOY, SIR, BOSS

- **901002** BOY
  
  2.5x / 10 D / 75 x 50 mm

- **903002** BOSS
  
  2x / 8 D / 100 x 75 mm

- **902002** SIR
  
  1.5x / 6 D / 100 x 50 mm

**Suitable case**

- **119012** Suitable for BOY
- **119022** Suitable for SIR
- **119032** Suitable for BOSS
Pocket Magnifiers

- **ERGO-Pocket**

  The ergonomic pocket magnifier in an attractive style.
  - High quality folding mechanism - a single movement of the hand reveals the lens
  - Convenient integrated lanyard holder
  - Timeless colour combination of white and charcoal grey
  - Aspheric lightweight lens

- **Pocket magnifier**

  An ideal low vision aid for reading fine print that easily fits in a pocket or purse.

  **PM-33 Pocket Magnifier™**

  This handheld multi-power LED Pocket Magnifier™ has three magnifying strengths: 6x, 5x and 2.5x. It features a crystal-clear acrylic lens.

  **Folding magnifier**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Magnification</th>
<th>Diopters</th>
<th>Diameter (mm)</th>
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<td>14x</td>
<td>56 D</td>
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<td>181482</td>
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<td>28 D</td>
<td>35 mm</td>
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<tr>
<td>181162</td>
<td>4x</td>
<td>16 D</td>
<td>35 mm</td>
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<td>181122</td>
<td>3x</td>
<td>12 D</td>
<td>35 mm</td>
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<table>
<thead>
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<th>Colour</th>
<th>Magnification</th>
<th>Diopters</th>
<th>Diameter (mm)</th>
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<td>418642</td>
<td>Graphite black</td>
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<td>10 D</td>
<td>60 mm</td>
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<tr>
<td>418342</td>
<td>Graphite black</td>
<td>5x</td>
<td>20 D</td>
<td>30 mm</td>
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<td>418612</td>
<td>Red</td>
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<td>60 mm</td>
</tr>
<tr>
<td>418312</td>
<td>Red</td>
<td>5x</td>
<td>20 D</td>
<td>30 mm</td>
</tr>
</tbody>
</table>
Portable Reading Tablets

**RUBY XL®**
- 5-inch widescreen
- 2 to 14 times magnification
- Two position flip-out handle
- Built-in reading stand
- Adjustable reading lines and masks to keep your place

**RUBY®**
- 4.3-inch widescreen
- 2 to 14 times magnification (5 and 10 times when flat on desk)
- Easy flip-out handle
- Use consumable 'AAA' batteries (not included)
- Optional reading stand

**RUBY XL®**
- 5-inch widescreen
- 2 to 14 times magnification
- Two position flip-out handle
- Built-in reading stand
- Adjustable reading lines and masks to keep your place

**Compact 7 HD**
- Enjoy reading more words per line on a generous 7-inch widescreen
- High Definition images
- 2 to 24 times magnification

**Compact+ HD**
- Enjoy all the benefits of a hand and dome magnifier in a single design
- High Definition images
- 4.3-inch widescreen
- 3 to 10 times magnification
- Retractable handle
Traveller HD
- Real portability
- Unique Slide&Read design for increased reading speed
- 13-inch widescreen
- 3 to 30 times magnification

ClearView C
- Choice of high contrast widescreens
- Simple controls at your fingertips
- High quality optical camera
- Best for fluency of reading

Text-to-Speech Reading

ClearView C Speech
- Enlarges and reads aloud printed letters, newspapers and magazines
- Full page overview
- High contrast photo mode
- Available in High Definition
- Speech touchscreen offering intuitive Point&Read audio playback

ClearReader+
Rediscover the joys of reading anytime and anywhere with the award-winning Optelec ClearReader+, combining fast text-to-speech. Simply switch-on, scan your printed reading material and start listening in an instant.
- Choice of high quality naturally sounding voices
- Attractive portable design
3 Task Lighting and Reading Stands

Contents

Task Lighting p. 19
Reading Stands p. 20
Numerous studies involving people affected by low vision have revealed the importance of good lighting as well as magnification. These Schweizer MULTILIGHTS are offered in a choice of light temperatures to enhance the reading experience.

- **MULTILIGHT LED Floor Lamp**
  - Floor based lamp with 72 durable and energy efficient SMD LEDs.
  - Switch integrated in the lamp head
  - 3-dimensional flexible lamp head
  - Mains operated

- **MULTILIGHT LED Table Lamp**
  - 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 degrees horizontally and 45 degrees vertically
  - Mains operated

- **MULTILIGHT LED Akku**
  - Folding task lamp with 48 durable and energy efficient SMD LEDs.
  - Adjustable height using the extendable head
  - Designed to reduce glare and make reading easier
  - Rechargeable battery and mains powered options
Task Lighting and Reading Stands

- **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
  - Convenient pocket-size with built-in clip and integrated lanyard holder
  - Battery operated (3x AA batteries not included)

- **MULTILIGHT LED Mobil**
  Handy folding task lamp with 30 durable and energy efficient SMD LEDs
  - Switches on and off automatically as the head is opened and closed
  - Lightweight and requires little space
  - Battery operated (3x AA batteries not included)

- **MULTILIGHT LED Reading Stand**
  Small footprint with a large surface of 28 x 21 cm which can be extended up to 38 x 33 cm
  - Designed not to slip on a desk or table surface
  - Adjustable inclination in multiple steps
  - Black plastic
  - Illumination with 20 durable and energy efficient SMD LEDs
  - Battery operated (3x AAA batteries not included)

- **SCHWEIZER STANDARD Reading Stand**
  Large surface (40 x 50 cm)
  - No slipping on the table surface
  - Adjustable in multiple steps
  - Natural wood
4

Handheld Telescopes

Contents

Galilei Telescopes p. 23
Kepler Telescopes p. 25
Frame Mounting Equipment p. 26
Monoculars p. 27
Binoculars p. 28
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 pages 34/35
- Set infinite focal distance; front caps for intermediate distances (e.g. TV) and for close distances (e.g. reading)
- Correction of refractive errors through a back correction lens with Ø 22 mm, adjustment of the focal distance through inclusion in back correction lens or through Basic front cap.
- The adjustment of the focal distance through back correction can be calculated by multiplying the system magnification by itself and dividing the result by the required focal distance in metres. This provides the D power to be included in the back correction of refractive errors.
- Binocular use for close working distances is possible with special mounting lenses

Front caps

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

- Firm hold of the Basic front cap which snaps in the system audibly
- Additional Add-on front caps, which can be connected with Basic front caps for higher magnification and/or adjustment of working distances. The Add-on front caps fold up and down easily.
- Numerous focal distances from 200 cm to 4.17 cm can be created
- The combination of a Basic front cap with an Add-on front cap create an aplanatic front cap up to + 24.00 D without spherical aberrations
- At set infinite focal distance of the system the working distance is calculated by dividing 1 by the total D power of the Basic + Add-on front cap. The resulting close distance magnification is the system magnification multiplied with one quarter of the total D power of the Basic + Add-on front cap

<table>
<thead>
<tr>
<th>Front caps</th>
<th>Add-on</th>
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<tbody>
<tr>
<td>Basic</td>
<td>Add-on</td>
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<tr>
<td>938125</td>
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</table>
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®)

<table>
<thead>
<tr>
<th>Mounting lens</th>
<th>Description</th>
<th>200 mm working distance</th>
<th>250 mm working distance</th>
<th>330 mm working distance</th>
<th>Reduced back vertex distance BVD</th>
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<tbody>
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<td>Binocular use</td>
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<td>933255</td>
<td>Binocular use for 250 mm working distance</td>
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<td>2 pieces</td>
<td>2 pieces</td>
<td>2 pieces</td>
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<td>933235</td>
<td>Binocular use for 330 mm working distance</td>
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<td>2 pieces</td>
<td>2 pieces</td>
<td>2 pieces</td>
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<tr>
<td>933265</td>
<td>Without convergence for reduced back vertex distance</td>
<td>2 pieces</td>
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<td>2 pieces</td>
<td>2 pieces</td>
</tr>
</tbody>
</table>

Convergence adapter for trial frame

<table>
<thead>
<tr>
<th>Convergence adapter</th>
<th>Description</th>
<th>200 mm</th>
<th>250 mm</th>
<th>330 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>933315</td>
<td>200 mm; 5.0 D</td>
<td>2 pieces</td>
<td></td>
<td></td>
</tr>
<tr>
<td>933325</td>
<td>250 mm; 4.0 D</td>
<td>2 pieces</td>
<td></td>
<td></td>
</tr>
<tr>
<td>933335</td>
<td>330 mm; 3.0 D</td>
<td>2 pieces</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Kepler Telescopes

Small and lightweight focusable Kepler telescope.
- Multi-coated achromatic precision optics
- Focus 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 illustrated on the next page

Application tip

SCHWEIZER Kepler telescopes can be focused for the required 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, visually impaired users can still screw out the objective to bring the telescope into focus. By turning back the objective up to the stopper, the telescope is easily focused again on 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.

---

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

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

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

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

Focus stop ring

932525 Suitable for 3 x 9
932555 Suitable for 4 x 10
932505 Suitable for 4 x 12

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

- Individual mounting parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>932765</td>
<td>Mounting lens with mounting slot 3 mm thickness, CR39, Ø 80 mm, pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>932865</td>
<td>Mounting lens without mounting slot 3 mm thickness, CR39, Ø 80 mm, pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>932855</td>
<td>Mounting lens without mounting slot frosted 3 mm thickness, CR39, Ø 80 mm, 1 piece</td>
<td></td>
</tr>
<tr>
<td>932715</td>
<td>Washer 0.5 mm thickness Pack of 6 pieces</td>
<td></td>
</tr>
<tr>
<td>932725</td>
<td>Washer 1.0 mm thickness Pack of 6 pieces</td>
<td></td>
</tr>
<tr>
<td>932735</td>
<td>Washer 2.0 mm thickness Pack of 6 pieces</td>
<td></td>
</tr>
<tr>
<td>932745</td>
<td>Set of washers 6 pieces each of 0.5 mm, 1.0 mm and 2.0 mm thickness</td>
<td></td>
</tr>
<tr>
<td>932775</td>
<td>Aluminium adapter for back correction lens (Ø 22 mm) Pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>932785</td>
<td>Aluminium spare lock ring Pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>936305</td>
<td>Centring test lamp</td>
<td></td>
</tr>
<tr>
<td>932545</td>
<td>Adapter Galilei for trial frame Pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>932575</td>
<td>Adapter Kepler for trial frame Pack of 2 pieces</td>
<td></td>
</tr>
<tr>
<td>936087</td>
<td>Lock ring mounting tool</td>
<td></td>
</tr>
</tbody>
</table>
Monoculars

- **Optelec PowerScope™ Monoculars**
  - Compact and lightweight
  - Smooth barrel rotation for easy focusing
  - Clip-On Monoculars can be clipped directly on to spectacle frames. These monoculars include a cleaning cloth and protective case.
  - Hand-Held Monoculars cannot be spectacle mounted. All Hand-Held Monoculars include a detachable neck strap and case, several include protective caps.

- **Bandit™**
The world's first "lever-focus" Monocular! Its "one-hand" design allows you to focus quickly without losing sight of your subject. BK-7 prisms and crystal clear optics provide sharp, high-contrast images. The Bandit™ Monocular is compact and lightweight for outdoor activities.

- **CloseUp™**
The CF-718 Close-Up™ from Carson Optical offers all the benefits of standard 7x power Monoculars plus an extreme close focus of only 10 inches. You'll be able to view details of faraway objects as well as the objects right in front of you. This Monocular is so compact and lightweight you can take it with you anywhere. The CloseUp™ Monocular is perfect for butterfly viewing or low vision needs.
Binoculars

■ Tracker™
Compact 8 x 21 mm Binocular with multi-coated lenses and a central focus control. Also features an independent right diopter control to adjust the maximum focusing flexibility for all types of vision. These Binoculars feature roll-down eyecups for eyeglass wearers.

■ ScoutPlus™
This compact Binocular provides superior optical quality (10 x 25 mm), and a central focusing control. It also features an independent right diopter adjustment control for maximum focusing flexibility - perfect for spectating, sporting and concert events.
5

Wearable Aids

Contents

Light Protection Spectacles p. 31
Prismatic Half-eye Spectacles p. 33
Microscopic Half-eye Spectacles p. 33
Telescope Frames p. 34
Additional Aids p. 35
Light protection spectacles

- **IV Proshield Wrap-Around**
  - For use without corrective spectacles
  - Black matt PC polymer frame in size 61-17
  - PC polymer filter lenses
  - Frame size and filter number printed on the temple
  - Supplied with a cloth pouch

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV80240</td>
<td>C1 Comfort filter in amber colour</td>
<td>![C1 filtro en color amarillo]</td>
</tr>
<tr>
<td>IV80241</td>
<td>450 Blue blocker in yellow colour</td>
<td>![450 filtro en color amarillo]</td>
</tr>
<tr>
<td>IV80242</td>
<td>C500 Comfort filter in light orange colour</td>
<td>![C500 filtro en color naranja claro]</td>
</tr>
<tr>
<td>IV80243</td>
<td>511 Blue blocker in orange colour</td>
<td>![511 filtro en color naranja]</td>
</tr>
<tr>
<td>IV80244</td>
<td>C1 tinted Comfort filter in amber colour with 60% grey tint</td>
<td>![C1 filtro en color amarillo con tintado gris]</td>
</tr>
<tr>
<td>IV80245</td>
<td>450 tinted Blue blocker in yellow colour with 60% grey tint</td>
<td>![450 filtro en color amarillo con tintado gris]</td>
</tr>
<tr>
<td>IV80246</td>
<td>C500 tinted Comfort filter in light orange colour with 60% grey tint</td>
<td>![C500 filtro en color naranja claro con tintado gris]</td>
</tr>
<tr>
<td>IV80247</td>
<td>511 tinted Blue blocker in orange colour with 60% grey tint</td>
<td>![511 filtro en color naranja con tintado gris]</td>
</tr>
</tbody>
</table>

Example for blue blocker (511)
Light protection spectacles with filter lenses

**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 on the temple
- Supplied with a cloth pouch

**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

Example for comfort filter (C500)
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 on the temple
- Supplied with a protective case

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

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 on the temple
- Supplied with protective case

<table>
<thead>
<tr>
<th>IV MICROSCOPIC</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV80220</td>
<td>+12.00 D OD (Right Eye)</td>
</tr>
<tr>
<td>IV80222</td>
<td>+16.00 D OD (Right Eye)</td>
</tr>
<tr>
<td>IV80224</td>
<td>+20.00 D OD (Right Eye)</td>
</tr>
<tr>
<td>IV80221</td>
<td>+12.00 D OS (Left Eye)</td>
</tr>
<tr>
<td>IV80223</td>
<td>+16.00 D OS (Left Eye)</td>
</tr>
<tr>
<td>IV80225</td>
<td>+20.00 D OS (Left Eye)</td>
</tr>
</tbody>
</table>
Telescope frames

- 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

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 with variable saddle bridge system can be reduced by 3 mm. For this purpose an included flat saddle bridge 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
Optelec PowerTV™
Glasses & Spectacle Binoculars

- Lightweight and hands-free, perfect for television, movies and spectator events
- Fully adjustable twin-lens design for focusing
- Optimal focal distance from 10 feet to infinity
- Includes cleaning cloth and protective carrying case.
- Limited One Year Warranty.

Richardson D. Aids

- Standard telescope frames
  - Material: Alloy, screws and saddle 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
  - The lens shape is suitable for telescopes which require a very large mounting diameter

- 937246 Silver colour, matt
  - Size 48-18-155
- 937316 Silver colour, matt
  - Size 51-18-155
- 937326 Silver colour, matt
  - Size 54-18-165

- 937256 Gold colour, matt
  - Size 48-18-155
- 937416 Gold colour, matt
  - Size 51-18-155
- 937426 Gold colour, matt
  - Size 54-18-165

- 937116 Case for telescopic spectacles

**Additional Aids**

- **RIDO Clip-on magnifier**
  These clip-on magnifiers feature two joined lenses with convergence support prisms, and are designed to easily clip to the front of a pair of spectacles to allow hands-free activities.
  - 3 different magnification strengths available
  - Hard coating
  - Solid case included
  - Lightweight
  - Wide field of view

- 934021 RIDO-Clip with 3 D lens
  - For working distance 250 mm
- 934011 RIDO-Clip with 5.5 D lens
  - For working distance 180 mm
- 934031 RIDO-Clip with 7 D lens
  - For working distance 125 mm

- Optelec PowerTV Glasses
  - Magnification: 2.1x , Eye: OU,
  - Style: Head-Borne, Field of View: 20°

- Spectacle Binocular
  - Magnification: 2.8x , Eye: OU,
  - Style: Head-Borne, Field of View: 11°
  - Limited Lifetime Warranty.
Box Sets, Cases and Accessories

Contents

Box Sets ........................................... p. 37
Displays ........................................... p. 40
Cases .............................................. p. 41
Accessories ....................................... p. 41
Training ........................................... p. 41
198002 Box MODULAR LED assessment set
Contents: Heads 4x / 16 D, 3x / 12 D, 2x / 8 D and handles 2700 K, 4500 K, 6500 K.

198042 Box MODULAR LED 4500 K
Contents: Heads 7x / 28 D, 5x / 20 D, 4x / 16 D, 3x / 12 D, 2x / 8 D and basic unit 4500 K.

134042 Box ÖKOLUX plus mobil low power lenses 4500 K
Contents: 4x / 16 D, 3x / 12 D, 2.5x / 10 D, 2.5x / 10 D angled, 2x / 8 D, 1.5x / 6 D.

134092 Box ÖKOLUX plus mobil high power lens assessment set
Contents: Heads 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D and handles 2700 K, 4500 K, 6500 K.

198092 Box MODULAR LED assessment set
Contents: Heads 4x / 16 D, 3x / 12 D, 2x / 8 D and basic units 2700 K, 4500 K, 6500 K.

140092 Box ÖKOLUX plus low power lens assessment set
Contents: Heads 5x / 20 D, 4x / 16 D, 3x / 12 D, 2x / 8 D and handles 2700 K, 4500 K, 6500 K.

144092 Box ÖKOLUX plus low power lens 4500 K
Contents: 5x / 20 D, 4x / 16 D, 3x / 12 D, 2x / 8 D.

144292 Box ÖKOLUX plus high power lens 4500 K
Contents: 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D.

134022 Box ÖKOLUX plus mobil high power lenses 4500 K
Contents: 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D, 6x / 24 D, 5x / 20 D, base, 5 lanyards.

134092 Box ÖKOLUX plus mobil high power lens assessment set
Contents: Heads 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D and handles 2700 K, 4500 K, 6500 K.

140092 Box ÖKOLUX plus low power lens 4500 K
Contents: 5x / 20 D, 4x / 16 D, 3x / 12 D, 2x / 8 D.

134022 Box ÖKOLUX plus mobil high power lenses 4500 K
Contents: 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D, 6x / 24 D, 5x / 20 D, base, 5 lanyards.

134092 Box ÖKOLUX plus mobil high power lens assessment set
Contents: Heads 14x / 56 D, 12x / 48 D, 10x / 39 D, 7x / 28 D and handles 2700 K, 4500 K, 6500 K.
Sets

**198142** Box MODULAR LED, TWIN LUX LED 4500 K
Contents: Heads 4x / 16 D, 3x / 12 D, 2x / 8 D and basic unit 4500 K, battery operated TWIN LUX LED 4500 K.

**180062** Box ERGO-Pocket
Contents: 1 piece each 14x / 56 D, 12x / 48 D, 10x / 39 D; 2 pieces each 7x / 28 D, 4x / 16 D; 3 pieces 3x / 12 D; 5 lanyards.

**210502** Box FUNCTIONAL
Contents: 7x / 28 D, 5x / 20 D, 4x / 16 D, 3x / 12 D, 1.5x / 6 D, 2x / 8 D.

**212002** Box BOY, SIR, BOSS, SEMPRAL
Contents: BOY + case; SIR + case; BOSS + case; SEMPRAL 3x / 12 D, 1.5x / 6 D.

**214002** Box SEMPRAL
Contents: 10x / 39 D, 7x / 28 D, 5x / 20 D, 4x / 16 D, 3x / 12 D, 2x / 8 D, 1.5x / 6 D.

**210502** Box FUNCTIONAL
Contents: 7x / 28 D, 5x / 20 D, 4x / 16 D, 3x / 12 D, 1.5x / 6 D, 2x / 8 D.

**930752** Box special magnifiers
Contents: Visolett® magnifiers Ø 40 mm, Ø 65 mm + case, segment 25 x 65 mm; bright field magnifiers Ø 50 mm, Ø 65 mm, Ø 80 mm, Ø 95 mm; reading bars 140 x 20 mm, 200 x 35 mm.

**930812** Trial box bright field magnifiers
Contents: Visolett® magnifier segment 25 x 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.
Box Sets

931067 Trial box Galilei
Contents: 2 pieces each 2.1 x and 2.5 x in adapter for trial frame; Basic front caps 2 pieces each +0.50 D, +0.66 D, +1.00 D and 1 piece each +1.50 D, +2.00 D, +3.00 D, +4.00 D, +5.00 D, +6.00 D, +8.00 D; Add-on front caps 1 piece each +4.00 D, +8.00 D

936076 Trial box telescope frames
Contents: 6 telescope frames of your choice

931077 Trial box Kepler
Contents: 1 piece each 3 x 9, 4 x 10 and 4 x 12 in adapter for trial frame; 1 piece each focus stop ring suitable for 3 x 9, 4 x 10 and 4 x 12; 1 adapter for Basic front caps; 1 empty space for monocular 6 x 16 inclusive finger ring (not included)

936097 Box of mounting parts
This box contains all mounting parts required to mount a telescope in a frame: Adapters for trial frame, lock ring mounting tool, mounting lens with and without mounting slot (3 pieces each), set of washers, adapters for back correction lens, spare lock rings, centring test lamp, titanium telescope frame.

934001 RIDO-Clip set with all lens parts
Contents: Clip + one of each lens: 3 D, 5.5 D and 7 D.
Displays

■ SlimLine
Attractive floor stand for the display of Schweizer magnifiers for any event or on the shop floor.
- Attractive eyeline poster
- Easy to install
- Wheels allow repositioning easily
- Includes 4 display box holders
- Holds up to 8 display boxes - additional box holders available separately
- Single package for convenient shipment

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

500022 Pack of 2 additional box holders for SlimLine

Carton Display 5 models ERGO mobil

162042 164042 166042
Contents: 3x 12 D Ø 35 mm, 2.5x 10 D 75x50 mm, 2x 8 D Ø 85 mm,
2x 8 D 100x75 mm, 1.5x 6 D Ø 100 mm, 20 consumer flyers
Approx. size (W x H x D): 27.5 x 28 x 16.5 cm

■ Universal display
Black gloss coated metal display with exchangeable A4-sized insert. Comes with 3 magnetic holders for ERGO mobil. Can also be used without holders to present other Optelec products.

164052 Universal display
Approx. size (W x H x D): 30 x 30 x 21.5 cm

164052-1 Pack of 2 additional holders for universal display

IVDIS06 Improvision display stand
Light Protection, Microscopic & Prismatic Spectacles available separately
Cases

930007 Sample kit case
Total weight incl. all products less than 9 kg
Case size approx. 58 x 48 x 21 cm
Removable middle plate for ease of display at exhibitions
Please contact us for details of content

Accessories

130012 Pack of 10 micro-fibre pouches
1809026 Single lanyard
180902 Pack of 5 lanyards
156002 Pack of 3 AAA alkaline batteries
155002 Pack of 3 AA alkaline batteries
18886 Double ended clamp (chrome 450 mm)

Training

In addition to the wide range of low vision aids, Optelec can also offer low vision training for eyecare professionals. Each training session can be tailored to suit the requirements of delegates.
Help your patients see their options in 10 minutes or less!

Visit us at www.optelec.co.uk or call 080 8090 8090

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“Improving the quality of life of visually impaired people – reaching out with simple and effective solutions”