Good-Lite Product Catalog

YOUR SOURCE for VISION
Celebrating More Than 80 Years of Good-Lite

The Good-Lite Company is celebrating more than 80 years as the industry leader in illuminated cabinets; evidence-based eye charts, such as the LEA Symbols, and many more vision screening and testing products available in this catalog and online.

The combined efforts of Robert Good, MD, Professor of Ear, Nose, and Throat at the Chicago College of Medicine and Surgery, and his son, Palmer Good, MD, ophthalmologist, created the Good-Lite Company in 1930 with the development of the first Good-Lite medical headlight.

Later, Palmer added vision testing equipment to the product line and led the Good-Lite Company to its honored position among today’s vision screening and testing providers.

Good-Lite’s numerous achievements over the last 80 years are noteworthy. Palmer Good worked closely with Louise Sloan, PhD, of the Wilmor Eye Institute at Johns Hopkins to develop the Sloan Letters for distance and near testing. Good-Lite is proud to have produced the first commercial chart using Sloan Letters, copyrighted in 1961 by Palmer Good. Sloan letters continue to be the optotype of choice for many medical professionals, and were the precursor to ETDRS charts in worldwide use in clinical trials.

In the 1970s, Palmer worked with Otto Lippmann, MD, to develop HOTV optotypes using Sloan letters. Lippmann’s HOTV optotypes — a modified version of a Stycar matching letters test based on Snellen letters — are useful for screening and testing vision of children as young as 3 years. The American Academy of Pediatrics, et al., includes HOTV optotypes on its list of recommended tests for preschool vision screening.

In 2002, Good-Lite proudly received exclusive, worldwide manufacturing rights to the complete LEA Test System developed by Lea Hyvärinen, MD, PhD, pediatric ophthalmologist, of Finland. Dr. Hyvärinen started the first vision rehabilitation service in Finland in 1976, designed the LEA Symbols in 1976, and first described her 4 symbols — apple, house, square, and circle — in a peer-reviewed journal in 1980. This System includes the LEA Symbols, the only pediatric optotypes that blur equally at threshold to prevent guessing, and the LEA Numbers. The core tests in this unique system assess near and distance visual acuity, contrast sensitivity, visual field deficits, cognitive vision, adaptation, and color deficiency. They are useful for screening and testing children of all ages, as well as for conducting functional vision assessments in children and adults with developmental delays/disabilities. The American Academy of Pediatrics, et al., includes LEA Symbols on its list of recommended tests for preschool vision screening.

Good-Lite values its key role in helping vision screeners and eye care professionals detect and treat vision disorders. We take pride in meeting the diverse needs of all those who assess vision, including the many clinical trials investigators who look to Good-Lite for state-of-the-art, evidence-based, standardized equipment. As we celebrate our 80+ years, Good-Lite remains family owned and operated and is currently in the capable hands of the third and fourth generations of the Good family.

In celebration of more than 80 years of success, we thank you, our valued customers, for your continued confidence in us. We appreciate your business and you have our assurance that we will continue to provide you with dependable, cost-efficient products and professional services in the years to come.

Good-Lite's Vision Experts

Lea Hyvärinen, MD

Lea Hyvärinen, MD, PhD, Professor h.c., Rehabilitation Sciences, University of Dortmund, Germany; Senior Lecturer, Developmental Neuropsychology, University of Helsinki, Finland, started to develop her LEA Vision Test System in 1976 in Helsinki and has worked on it with Chris Greening in 17 years. The Test System now contains tests for numerous clinical test situations and vision screening of children and adults with different communication needs.

The original tests on the printed near vision card were: a standard test, a test with wide spacing and a tightly crowded test. There were two tests for distance, a hand-made grating acuity test and for low contrast, photographic tests at the same contrast levels as today. In early 1990s came the LEA Puzzle, first black & white, later colorful; Panel 16 color vision test; LEA GRATINGS; Cone Adaptation Test; Rectangle Game; Mailbox Game; Heidi Expressions Game and the LEA Numbers. The additions of the recent years are LEA Grating Acuity Test, LEA Flicker Wand, the 40M and 60M cards for presentation as a line test or singly and the LEA Low Contrast Grating Acuity Test.

Dr. Hyvärinen’s contributions to vision include training courses and lectures on functional vision testing for children with disabilities. The next pages depict the Core Tests and their numerous variants that are still available for numerous screening projects and programs.

P. Kay Nottingham Chaplin, EdD

Director, Vision and Eye Health Initiatives

P. Kay Nottingham Chaplin, EdD, helped Geoffrey E. Bradford, MD, pediatric ophthalmologist at West Virginia University (WVU) Eye Institute and member of the American Academy of Pediatrics’ Section on Ophthalmology Executive Committee, to create the Vision Initiative for Children, a program that trained and equipped individuals to screen the vision of preschoolers.

Dr. Chaplin is a member of the national Expert Advisory Committee and Education Subcommittee to the National Center for Children’s Vision and Eye Health, an initiative housed at Prevent Blindness America. Her role is to help implement recommendations of the National Expert Panel for a universal preschool vision screening strategy, to develop a vision screening training and certification program, and to contribute to stakeholder education.

Dr. Chaplin has lectured, trained, and consulted at more than 100 national, state, and local venues, including conferences for the:

- National Association of School Nurses,
- National Head Start Association,
- National Association of Pediatric Nurse Practitioners,
- Society for Physician Assistants in Pediatrics, and the
- National Assembly on School-Based Health Care.
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3 Easy Ways to Order from Good-Lite:

- Order online at www.good-lite.com
- Order by Phone 800-362-3860
- Order by FAX 888-362-2576
LEA Core Vision Tests

Visual Acuity Tests: **LEA SYMBOLS®**

Visual acuity tests are used more than any other tests in ophthalmology, optometry, and in vision screening in preschool, school, and occupational health care. Visual acuity can be measured with several different tests that depict different qualities of vision. The basic test is the line test, which has at least five optotypes (test symbols) on the test lines with spaces between the optotypes that are equal to the width of the optotypes of that line. The distance between the test lines is equal to the height of the lower line (Visual Acuity Measurement Standard (1984) Consilium Ophthalmologicum Universale, Visual Function Committee).

In the LEA Test System series there are line tests, tests with more crowded symbols, and single symbol tests to allow assessment of function of the visual system in these three functionally different situations. The number of tests has grown over the years because the needs in screening and assessment of children and adults vary at different ages and different functional levels. For more information, go to the Instruction Section of http://www.lea-test.fi.

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**LEA 3-D Puzzle**

The LEA 3-D Puzzle is designed for supporting the development of the concept of “same”, first with colors, then with black and white concrete forms that are prerequisites for the measurement of recognition acuity with the LEA Symbols tests at an early age. During the play you can also observe eye-hand coordination and awareness of directions, which are often problems for children with brain damage, even mild brain damage. Package includes the booklet: Assessing Vision Development Through Picture and Shapes and instructions. Tray is 6.75” x 6.75” (17.2 cm x 17.2 cm). The 4 symbol puzzle pieces are approximately 2” x 2” (5.1 cm x 5.1 cm) each.

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**LEA Symbols Domino Cards**

Assess the near visual acuity of 2- and 3-year-old children, or use the cards at any age (older than 2+ years) to train an amblyopic eye. Set contains 3 packs of 16 domino-like cards with a large symbol at one end and a small symbol at the opposite end. Symbol sizes are 3.2M and 0.8M, 2.0M and 0.5M, and 1.25M and 0.3M. Each symbol on the card is printed with its M unit, decimal value, 6 meter, and 20 foot equivalency for visual acuity value at 40 cm testing distance. Includes training cards and instructions. Paper cards measure 1.6” x 2.75” (4 cm x 7 cm).

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**LEA Symbols Playing Cards**

These specially designed playing cards make it easy to measure near visual acuity in young children, while teaching concepts of similar/different, big/small, bigger/smaller. The 4 packs contain 16 cards each with symbols of varying sizes: 16M and 10M, 6.3M and 4M, 2.5M and 1.6M, and 1M and 0.63M. Includes training cards and instructions. The paper cards measure 1.6” x 2.75” (4 cm x 7 cm).

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**LEA Symbols Near Vision Screener (16 inches/40 centimeters)**

This test is designed for amblyopia screening and testing children who have difficulties when tested with the standard near vision card (#250800). The background is gray with the exception of a white rectangle spaced at 100% surrounding each line of symbols. Line sizes from 20/400 to 20/16 (6/120 to 6/4.8) equivalent, 0.05 to 1.25. Printed on two sides. Response key is printed on the test card. Includes training cards and instructions. Screener measures 8” x 10” (20.3 cm x 25.4 cm).

---

**LEA Symbols Pocket-Sized Near Vision Card (16 inches/40 centimeters)**

This test is designed for testing patients’ visual acuity during rounds and in similar situations with a need for quick testing. The test has proportionally spaced (logMAR) lines on one side and tightly crowded lines (50% spacing) on the reverse side. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Response key printed on test card. Includes training cards and instructions. Card measures 8” x 10” (20.3 cm x 25.4 cm).

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**LEA Symbols Near Vision Card (16 inches/40 centimeters)**

This test measures near visual acuity with proportionally spaced (logMAR) lines on the front and lines with 25% and 50% spacing on the back. The tighter spacing often reveals difficulties in seeing tightly spaced details, which should be known when a child is learning to read. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Response key printed on test card. Includes training cards and instructions. Card measures 8” x 10” (20.3 cm x 25.4 cm).
LEA Symbols Distance Vision Screener
(10 feet/3 meters)

This test is designed for amblyopia screening and testing children who have difficulties when tested with the standard distance charts (#250250 or 250150). The background is gray with the exception of a white rectangle spaced at 50% surrounding each line of symbols. Line sizes from 20/80 to 20/16 (6/24 to 6/4.8) equivalent, 0.25 to 1.25. Includes response key and training cards. Pages are offset for easy flipping. Instructions are printed on the inside cover. 10 pages, 3.25" x 9" (8.25 cm x 22.9 cm).

LEA Symbols Crowd ed Symbol Book
(10 feet/3 meters)

The Crowded Symbol Book is designed for testing children and adults who have difficulty in reading lines of optotypes. In this test, the child or adult identifies only the middle optotype. The four symbols surrounding the central symbol similarly to the way optotypes are crowded on line acuity charts. As a result of this crowding effect, this test often permits measurement of line acuity in young children much earlier than the line visual acuity charts and, thus, helps in early detection of amblyopia and impaired vision. Line sizes from 20/63 to 20/16 (6/19 to 6/4.8) equivalent, 0.63 to 1.25. Includes response key, training cards, and instructions. 16 offset pages, 5" x 5" (12.7 cm x 12.7 cm).

LEA Symbols 10-Line Distance Chart
(10 feet/3 meters)

This test is the most commonly used test in the health care of children at the age of 3 to 4 years and in amblyopia screening in many countries. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/16 (6/60 to 6/4.8) equivalent, 0.25 to 1.25. The 20/160 (6/48) and 20/100 (6/30) lines have been omitted. The visual acuity values measured with single symbols are often several lines better than the line acuity values in persons with impaired vision, and, thus, overestimate the quality of visual functioning. Single optotype line sizes from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask, response key, training cards, and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm).

LEA Symbols Single Symbol Book
(10 feet/3 meters)

The Single Symbol Book is designed for testing children and adults who have difficulties in perception of symbols in lines. The visual acuity values measured with single symbols are often several lines better than the line acuity values in persons with impaired vision and, thus, overestimate the quality of visual functioning. Single optotype line sizes from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask, response key, training cards, and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm).

LEA Symbols Flash Cards
(10 feet/3 meters)

This set of flash cards was designed for testing distance visual acuity in children and adults who have difficulty with visual acuity charts, the Crowded Symbol Book Test, or the Single Symbol Book Test. Line sizes from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes response key, training cards, and instructions. 30 cards per set, 4" x 5" (10 cm x 12.7 cm) to 5" x 5" (12.7 cm x 12.7 cm).

LEA Symbols Cards, 40M and 60M

The 5 LEA Symbols Cards, 40M and 60M, can be presented as single optotypes or arranged in a row as a line test. When the cards are next to each other, the space between the symbols is equal to the width of the symbols. To determine the visual acuity use the following formula:

\[ \text{VA} = \frac{\text{Viewing Distance Used (meters)}}{M-value} \]

60M cards are approx. 8.6" x 8.6" (21.9 cm x 21.9 cm), 40M cards are approx. 6" x 6" (15.25 cm x 15.25 cm).

LEO Learns By Doing
(DVD, 17 minutes)

When a blind child is born into a family, the situation is new and confusing. Parents have thousands of questions, but very few answers, such as:

- How am I able to do everything possible for my child?
- How can our everyday life become ordinary, good, and safe, yet active?
- How can I best support my child?
- Am I overprotective or encouraging as a parent?
- How will my blind child receive as many experiences as the seeing child?

These questions and more are answered in this DVD.

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
LEA Symbols 15-Line Distance Chart (10 feet/3 meters)
This test is designed for vision screening at schools and assessment of vision of children with special needs beginning with age of 3 years. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. The reverse side is black and can be used as the test surface for the color vision test (260260). Has a hole for hanging the chart on the wall. Includes response key, training cards, and instructions. 17” x 21” (43 cm x 53.4 cm). Folds to 17” x 10.5” (43 cm x 26.7 cm).

LEA Symbols 15-Line Translucent ETDRS-Style Distance Chart for ESV3000 Cabinet (10 feet/3 meters)
LEA Symbols distance visual acuity test for the ETDRS Illuminated Cabinet. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. This chart can either be wall mounted or used in an illuminated cabinet found on page 26. Includes response key, training cards, and instructions. 24.5” x 25.5” (62 cm x 65 cm).

LEA Symbols 13-Line Translucent Distance Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50 with repetitive left eye/right eye groups. This chart can either be wall mounted or used in an illuminated cabinet found on page 26. Includes response key, training cards, and instructions.

LEA Symbols 13-Line Translucent ETDRS-Style Distance Chart for ESV3000 Cabinet (10 feet/3 meters)
LEA Symbols distance visual acuity test for the ETDRS Illuminated Cabinet. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. This chart can either be wall mounted or used in an illuminated cabinet found on page 26. Includes response key, training cards, and instructions. 24.5” x 25.5” (62 cm x 65 cm).

LEA Symbols 12-Line Translucent Distance Chart (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/8 (6/30 to 6/2.4) equivalent, 0.20 to 2.50. This chart can either be wall mounted or used in an illuminated cabinet found on page 26. Includes response key, training cards, and instructions.

LEA Symbols Chart for Vision Rehabilitation (40 inches/1 meter)
This test is designed for testing children and adults with visual impairment at a distance of 1 meter. The largest symbols are 50M in size, corresponding to 1m/50M = to 1/50 or decimal visual acuity 0.02, equivalent values 20/1000, 6/300. The smallest symbols are 1M in size corresponding to 1m/1M = to 1/1 or decimal visual acuity 1.00, equivalent values 20/20, 6/6. Designed courtesy of August Coelenbrander, MD. Chart measures 16” x 21.5” (40.7 cm x 54.6 cm). Folds to 16” x 10.75” (40.7 cm x 27.3 cm).
LEA Core Vision Tests

**Visual Acuity Tests:**

LEA Numbers were developed for international studies in occupational health and school health services. Letters like the Sloan letters are used in the Western world and in the old colonies of western empires but not in a large part of the rest of the world. The Arabic numbers are known worldwide, even in countries that use other types of numbers. The four numbers 5, 6, 8, and 9 were chosen because they could be designed to blur equally.

The numbers 5, 6, 8, and 9 were designed by Dr. Hyvärinen in 1993 and calibrated with the Landolt C (Juvi Mustonen, OD; Risto Näsänen, PhDr; and Lea Hyvärinen, MD, Vision Laboratory, Department of Physiology, University of Helsinki, Finland 1994).

**LEA Numbers Near Vision Card (16 inches/40 centimeters)**

Designed to measure visual acuity with a standard line test and with three tighter spaced tests; 50%, 25%, and 12.5%, which often reveal difficulties in seeing tightly crowded details. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card measures 8” x 10” (20.3 cm x 25.4 cm).

**LEA Numbers Near Vision Card (24 inches/60 centimeters)**

Designed to measure visual acuity with a standard line test and with three tighter spaced tests; 50%, 25%, and 12.5%, which often reveal difficulties in seeing tightly crowded details. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card measures 8” x 10” (20.3 cm x 25.4 cm).

**LEA Numbers Pocket-Sized Near Card (16 inches/40 centimeters)**

This test is designed for testing patients’ visual acuity during rounds and in similar situations with a need for quick testing. The test has proportionally spaced (logMAR) lines on one side and tightly crowded lines (50% spacing) on the reverse side. Line sizes from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card measures 8” x 10” (9.5 cm x 15.9 cm).

A **LEA Numbers 13-Line Translucent Distance Chart (10 feet/3 meters)**

Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50.

B **LEA Numbers 12-Line Translucent Distance Chart (13 feet, 4 meters)**

Proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/8 (6/30 to 6/2.4) equivalent, 0.20 to 2.50.

**PLEASE NOTE:** 9 x 14 LEA Numbers Charts can either be wall mounted or used in an illuminated cabinet found on page 33.
Contrast Sensitivity

The contrast sensitivity tests that Dr. Hyvärinen has developed for clinical examinations and research projects have been used in the evaluation of vision of thousands of patients in numerous countries revealing changes in visual functioning that were not detected with the high contrast visual acuity tests. Measurement of contrast sensitivity should be a part of routine examinations because vision at low and intermediate contrast levels is important in communication and orientation in space.

LEA Numbers Single Number Book (10 feet/3 meters)
The Single Number Book is ideal for situations in which the child/adult cannot perform when tested with a line test. This book can help determine the best resolution of the visual pathway in a child/adult with amblyopia or impaired vision. Single optotype line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm).

LEA Symbols Low Contrast Test, 10M
Test for quick measurement of low contrast visual acuity at 25%, 10%, 5%, 2.5%, and 1.25% by measuring the distance where the symbols are seen. 10M symbols correspond to visual acuity 0.10 at 1 m, 0.5 m, and 0.3 at 3 m. VA values are, thus, easy to calculate. Test includes a table for conversion to Snellen equivalent VA values, a response key, training cards, recording forms, and instructions. 6 pages, 3.25" x 9" (8.25 cm x 22.9 cm).

LEA Symbols Translucent Low Contrast Charts for Illuminated Cabinet
A low contrast test is a special way to measure visual acuity to determine how well eyes function in low light situations and/or to determine how well eyes distinguish objects from similarly colored or shaded backgrounds. Testing is identical to the measurement of visual acuity at high contrast level. The 2.5% test is the most practical test in clinical use. Available in 5 contrast levels: 1.25%, 2.5%, 5%, 10%, and 25%. Includes response key, training cards, recording forms, and instructions.

LEA Numbers Low Contrast Test, 10M
Test to easily measure, record, and detect changes in the transfer of visual information when the change only affects visual acuity at low contrast levels. Chart presents numbers at the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Pages are offset for easy flipping. Each chart includes recording forms and instructions. 6 pages, 3.25" x 9" (8.25 cm x 22.9 cm).

LEA Numbers Cards, 40M and 60M
These five LEA Numbers Cards can be used for presentation as single optotypes or arranged in a row as a line test. When the cards are next to each other, the space between the numbers is equal to the width of the symbols. To determine the visual acuity use the following formula:

$$VA = \frac{\text{Viewing Distance Used (meters)}}{M\text{-value}}$$

60M cards are approx. 6" x 9" (15.25 cm x 22.9 cm). 40M cards are approx. 4" x 6" (10.2 cm x 15.25 cm).

LEA Numbers Low Contrast Test, 10M
Test to easily measure, record, and detect changes in the transfer of visual information when the change only affects visual acuity at low contrast levels. Chart presents numbers at the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Pages are offset for easy flipping. Each chart includes recording forms and instructions. 6 pages, 3.25" x 9" (8.25 cm x 22.9 cm).

LEA Symbols Low Contrast Test
See page 8 for more details.
Four cards printed on both sides in the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Cards are 9" x 9" (23 cm x 23 cm). Includes instructions.

LEA Low Contrast Grating Acuity Test
Measurement of contrast sensitivity curve is based on 4 gratings at 2 contrast levels, 10%, and 2.5% contrast using 2 grating frequencies: 0.5 cpcm and 8 cpcm (10% level) or 0.5 cpcm and 4 cpcm (2.5% level). Testing is based on finding the distance where the person is at threshold in seeing the direction of the grating lines. Includes nomograms, instructions, and recording forms. Measures 8" (20 cm) in diameter.
Cognitive Vision

Visual information undergoes several neural processes before it is perceived as images. When vision changes, the changes may occur either in the image quality, due to disorders of the eyes and/or visual pathways, or picture perception, due to loss of function in some of the specific analytic functions in the visual cortices. The number of visually impaired children with brain damage-related visual impairment is increasing in all countries. Tests for cognitive vision were designed for early diagnosis of some usual cognitive problems.

It is important that all cognitive visual functions are assessed, from seeing the orientation of lines and size of objects to different recognition functions and more complicated perceptual tasks. For example, a child who has lost recognition of facial features only may be misunderstood when he/she does not greet people whom the child knows well. Likewise, children who do not perceive facial expressions may be taken as autistic when they cannot function in a group of toddlers whose communication is through body language. For more information, go to the Instructions Link: www.lea-test.fi

Visual Field

LEA Flicker Wand

The LEA Flicker Wand is 26.5" (67.3 cm) long with a 20" (50.8 cm) flexible wand with a diode at the end that can be used as either a flickering or non-flickering stimulus at 4, 40, and 400 cd/m². The curved wand is moved from behind the person forward in all four quadrants of the visual field to detect losses in the periphery of the visual field.

LEA Numbers Low Contrast Charts for Illuminated Cabinet

A low contrast test is a special way to measure acuity to determine how well eyes function in low light situations and/or to determine how well eyes distinguish objects from similarly colored or shaded backgrounds. Testing is identical to the measurement of visual acuity at high contrast level. The 2.5% test is the most practical test in clinical use. Available in 5 contrast levels: 1.25%, 2.5%, 5%, 10%, and 25%. Includes response key, training cards, recording forms, and instructions.

A 1.25% .......................... 271500
B 2.5% .......................... 271600
C 5% .......................... 271700
D 10% .......................... 271800
E 25% .......................... 271900

Small and Medium Heidi Fixation Targets

The small 2" (5 cm) diameter "smiling face" fixation paddle was developed based on studies by Robert Fanz. Features include grating on reverse side, small pictures of a bunny and a giraffe for demanding fixation, and pupil size and corneal diameter measurement on the handle. The medium 5" (13 cm) diameter fixation paddle is for assessing children with severe disabilities to determine the distance at which the children respond to a high-contrast face figure.

A Medium Target .......................... 253100
B Small Target .......................... 253000

LEA 3-D Puzzle

The LEA 3-D Puzzle is designed for training and assessing typically developing toddlers and other young children. The puzzle also serves as an assessment tool for individuals with brain damage, or for older children and adults with low cognitive abilities. Includes instructions and the booklet: Assessing Vision Development Through Pictures and Shapes. Tray is 6.75" x 6.75" (17.2 cm x 17.2 cm). The 4 symbol puzzle pieces are approximately 2" x 2" (5.1 cm x 5.1 cm) each.

................. 251600

LEA Grating Acuity Test, a Resolving/Discrimination Test

This test at full contrast requires discrimination of the direction of long lines, which is a more demanding task than the detection acuity measured with LEA GRATINGS. The test gratings are presented to children and adults at different distances to determine which distance the direction of lines can be perceived. Knowing the distance and which grating was used, the grating acuity values can be read from the nomograms. Includes nomograms, instructions, and storage case. 4 disks 8" (20 cm) in diameter.

.................. 251300

LEA GRATINGS, a Preferential Looking Test

LEA GRATINGS are for preferential looking test situations with infants or children and adults with disabilities to determine detection acuity. Grating levels printed on each handle are: 0.25, 0.5, 1.0, 2.0, 4.0, and 8.0 cpcm (cycles per centimeter of surface). Includes instructions and storage case. 4 paddles 8" (20 cm) in diameter.

.................. 253300
LEA Core Vision Tests

LEA Rectangles Game
This educational toy is a modified version of Effron's rectangles and is used to assess size perception. The Rectangles Game contains two groups of rectangles. The total surface area of each rectangle is the same. A child with normal eyesight can distinguish between the longer and the shorter rectangles—often before the age of 3 years. If the child has difficulty making this distinction or does not understand the instructions, the LEA Rectangles Game can help determine whether or not the child has a specific visual acuity problem. Includes instructions and 10 colored rectangles (5 black, 5 gray) in 5 sizes with a total area of 4" (10.16 cm) each.

Cone Adaptation Test
The test consists of 15, 2" x 2" (5 cm x 5 cm) red, blue, and white plastic chips designed to help parents, teachers, and doctors assess children's visual difficulties in twilight. The test situation is not a formal test of night vision, but gives useful information on visual adaptation to lighting changes.

LEA Mailbox Game
Used to assess visual perception of line orientation. Tests two components: 1) information for the hand movements in the parietal lobe and 2) picture perception in the inferior temporal lobe. To observe the first function, the child is asked to drop a card through the slot of the LEA Mailbox Game. The child should demonstrate perception of the orientation of the slot by turning the card to the correct position before moving it half the distance to the slot (dorsal stream function). A ventral stream function can be observed through interactive play using the LEA Mailbox Game. If a child cannot visually perceive the orientations of lines, drawing them may be difficult, and drawing angles will make no sense. Includes instructions.

Hiding Heidi Low Contrast Face Test
Visual communication is the most important communication method during the first year of life. The ability to detect objects of low contrast is an important component of the visual system. For example, facial expressions are mediated by faint shadows and changes in the contours of the mouth and eyes. Determining the levels of contrast that an infant can detect helps provide baseline data for evaluating future changes. For example, deviations from usual behavior may indicate disorders that leave vision at high-contrast levels unaffected.

Four cards printed on both sides in the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Cards are 9" x 9" (23 cm x 23 cm). Includes instructions.

Heidi Expressions Test Game
Some children with visual impairments may achieve near normal results in routine vision tests (large visual field and normal or near normal visual acuity), but cannot interpret facial expressions or recognize people's faces. The Heidi Expressions Test Game improves early evaluation of vision for communication. 18 cards per set. Cards are 4" x 4" (10.16 cm x 10.16 cm).

Color Vision Test
Panel 16 Quantitative Color Vision Test
The Panel 16 Color Vision Test includes 16 test caps and 17 restriction rings with one of the caps being a “pilot”. The diameter of the stimulus area is 1.3" (3.3 cm), and can be reduced by using dark gray restriction rings with an opening of 0.47" (1.2 cm) in diameter. Acrylic case includes a cloth storage pouch. Travel tube comes with black cloth. Both come with recording forms and instructions.

"WHAT and HOW Does this Child See?"
Is a question that is asked each day by many professionals in early intervention and education about children with disabilities. This book attempts to help you structure your questions so that you can look for answers together with other members of your team. This book is a collection of questions and answers from lectures presented by Lea Hyvärinen, MD, PhD, FAAP, and Namita Jacob, PhD, in a number of countries.
Color Vision Tests

**Good-Lite ColorCheck Complete Vision Screener**
This test offers both LEA Numbers and Pediatric LEA Symbols screening for protan/deutan (red/green) and plates screening for tritan (blue/yellow). Color plates are larger making the screening of children, adults and low vision patients much easier. Includes user-friendly instructions, tabbed sections, and protective coating on each test page.

| Unlaminated | 730050 |
| Laminated   | 730006 |

**Richmond HRR Standard Pseudoisochromatic Test**
Quickly screens for normal color vision and congenital and acquired color vision defects, classifying to type—protan/deutan (red/green) and tritan (blue/yellow)—and extent of defect. This test is ideal for pediatric testing, because it uses simple shapes (O, X, ∆) that are easily recognized by children. Special non-glare laminate keeps colors from becoming distorted and prevents fingerprint smudges. Reversible occluding glasses are included.

| Unlaminated | 730006 |
| Laminated   | 730005 |

**Richmond HRR/Amsler Combination Color Book**
HRR and Amsler Grid combined into one easy to use book. The book contains 7 different amsler charts including Standard Chart, Diagonal, Red on Black Standard and Minute Juxta-Central.

| Unlaminated | 730020 |
| Laminated   | 730021 |

**HMC Oculus Anomaloscope**
For precision diagnosis of color vision in the red/green and blue/green areas with integrated automatic neutral adaptation. The unit is normally controlled using the MS-Windows® based software and included cable from a PC or laptop. Can also be controlled using the optional keypad (P/N 4667) with LCD display.

- Meets requirements of Nagel and DIN-Norm 6160
- Adjustable automatic neutral adaptation (standard ‘C’ lighting)
- Standard test field of 2°
- Based on additive mixing of colors


| 466600 |

**LCD Control Panel for Anomaloscope**
LCD control panel provides an alternative way to control the Oculus Anomaloscope.

| 466700 |

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**ColorCheck Handheld Color Vision Screening Tablet**
Color vision screening is now as easy as using your favorite app. The M&S Smart System Tablet (Google Nexus 7) comes pre-installed with ColorCheck color vision application to easily and quickly screen both adults and children. ColorCheck uses Pediatric LEA Symbols and Numbers to check for protan/deutan/tritan (red/green/blue) color deficiencies. The protocol is completely randomized ensuring accurate results.

| 730040 |
Arrangement Color Vision

**Panel 16 Quantitative Color Vision Test**
The Panel 16 Color Vision Test sets display the same hues as the Farnsworth D-15. The diameter of the stimulus area is 1.3" (3.3 cm), and can be reduced by using dark gray restriction rings with an opening of 0.47" (1.2 cm) in diameter. Travel tube comes with black cloth.

**Single Set**
Includes 16 test caps, 16 restriction rings, acrylic case, cloth storage pouch, recording forms, and instructions.
- A With Case .................................. 260200
- B With Travel Tube .......................... 260260

**Double Set**
Includes 2 sets of 16 test caps (32 total), 32 restriction rings, acrylic case, cloth storage pouch, recording forms, and instructions.
- C With Case ................................. 260100
- D With Travel Tube ......................... 260160

**Farnsworth D-15 Color Test Kit**
Quickly and easily screen for red-green color deficiencies by asking subjects to separate 15 color disks. The Farnsworth D-15 allows basic color deficiency screening. The diameter of the stimulus area is .47" (1.2 cm).

**Lanthony Desaturated Color Test**
The Lanthony Desaturated Color test is similar to the Farnsworth D-15, but the 15 disks are desaturated (lighter in hue). This allows the screener to determine whether or not the subject has the ability to discriminate between subtle color variations. The test can distinguish between normal color perception and mild deficiency in protan/deutan (red-green) or tritan (blue-yellow). The diameter of the stimulus area is .47" (1.2 cm).

**Richmond Desaturated Magnetic Color Test**
Assess fine color discrimination with the use of this desaturated Farnsworth D-15 test. The color disks come in an enclosed plastic box and are arranged using a magnet. The colors used in this set are desaturated (lighter in hue), so that finer discrimination is required to arrange the disks. The diameter of the stimulus area is .47" (1.2 cm).

**Panel 16 Farnsworth D-15 Arrangement Color Vision Size Comparison**
Good-Lite offers arrangement color tests with color chips in 2 sizes. The Panel 16 Quantitative Color Test measures 32 mm in diameter with a "Reduction Ring" that restricts the target to the standard size of 12 mm.

**Panel 16**
**Farnsworth D-15**

Reduction Ring

order online or find more information @ www.good-lite.com
Color Test Daylight Illuminator with Platform
The Color Test Daylight Illuminator with Platform is specifically designed to provide the optimal light when using Panel 16, Farnsworth 100 Hue, Farnsworth D-15 and Lanthony Desaturated D-15 color tests. The Daylight bulb gives off 6280 degree K light which closely matches the standards set by the International Commission of Illumination and had been approved by the U.S. Food and Drug Administration and the U.S. Defense Personnel Support Center for the armed forces.

The removable platform measures 10" x 18" (26 cm x 46 cm) and includes a black rubber dull mat.

Daylight Illuminator comes with Universal Power Supply adapting to any combination of 50 or 60 Hz and 110 or 220 volt.

Farnsworth 100 Hue Color Test
Farnsworth 100 Hue Test comes boxed in clear acrylic containers which make scoring easy and reduces the potential for test disruption by holding the patient’s disc sequence intact. The Farnsworth 100 Hue test includes 93 color discs; 4 clear acrylic boxes; a tray; a durable, laminated score template for copying; a supply of non-latex, lightly powdered gloves for the patient’s hands to maintain cleanliness and accuracy of the color discs; comprehensive instructions; and a CD disk with a scoring template for use with MS Excel. The scoring template calculates a numerical score and provides a graphical display or print-out of the patient’s score.

Dimensions: 56 cm x 17 cm x 2.4 cm.

Arrangement Test Tray
Raised platform tray for the Magnetic Farnsworth or Roth 28 tests is 10" x 18" x 1.75" (26 cm x 46 cm x 3.5 cm) and includes a black dull rubber mat.

Color Book Easel Tray
Raised easel tray for pseudoisochromatic book when viewed using the Color Test Daylight Illuminator. Places the color book at the proper viewing angle for testing.

Color Test Daylight Illuminator with Easel
The redesigned easel illuminator provides the proper angle for Pseudoisochromatic Plates and Cap Style tests. The easel helps avoid damaging fingerprints on the plates because the plates are presented standing on their own. The easel is removable for installation of a flat tray in order to use the illuminator with arrangement tests. Includes convenient hand grips for ease of transport, light switch, and a 4-foot cord.
Distance Computerized Vision Testing System (VTS)

The Good-Lite Company brings our extensive 80+ years of vision testing experience to the Vision Testing System (VTS), a seamless transition from projector charts to state-of-the-art computerized vision testing system! VTS Complete Computerized Vision Testing System

Multiple Optotypes in One System
Now easily test all your patients; children as well as adults. The VTS system contains LEA Symbols, LEA Numbers, HOTV, Sloan Letters, and more. Display characters in a variety of formats including logMAR, vertical/horizontal single lines, crowded or uncrowded single optotype, and low contrast fonts. Simply change the optotype or display format with the press of a button on the included remote control.

Secondary Calibration Distance
 Seamlessly switch between 2 calibration distances on your VTS System to accommodate a clinical trial requirement, clinical trial requirement, patient with low vision, or a patient who uses a wheelchair.

LEA Symbols Pediatric Testing
Unlike optotypes that look like LEA Symbols, the LEA Symbols have been validated, calibrated against the Landolt C, and are the only pediatric optotypes to blur equally at threshold to prevent guessing.

LEA Symbols are on the recommended list of eye charts in a consensus policy statement of the AAP, AOA, AAPOS, and AACO.

Optotype Indicator
The advanced optotype indicator allows the clinician to easily direct both children and adults as to which optotypes to identify.

VTS Includes:

- Sloan Letters
- LEA Symbols
- LEA Numbers
- Landolt "C"
- HOTV
- Tumbling "E"
- Red/Green
- Low Contrast Testing
- Crowding/Interaction Bars
- Worth 4-Dot
- Phoria Fixation Disparity
- Three Lines Same Size
- Single Vertical Line
- Color Vision Testing

Performance Attributes:

- Optotype Indicator
- Unlimited User-Defined Protocols
- Cycling Optotype/Multi-Lines/Letters
- Complete Randomization
- Streamlined Video Select and Display
- Secondary Calibration Distance
- Quick Copy Video Control
- ETDRS Selectable
- Fixation Targets/Stimulus

VTS Software with Computer* 300100
VTS Software Only 300105

* Please contact Good-Lite for details on computer

order online or find more information @ www.good-lite.com
Distance Vision Screening is now Fun and Easy!

EyeSpy 20/20™ Vision Screening Software
EyeSpy 20/20™ employs a revolutionary proprietary approach to vision screening technology - a software program created by the Founders of VisionQuest 20/20. A child’s vision is assessed in a standardized, cost-effective manner while the child "plays" a 2- to 3-minute video game. EyeSpy 20/20™ has been independently validated by the Medical University of South Carolina’s Storm Eye Institute for scientific validity and reliability. The results of the double-blind study suggest that EyeSpy 20/20™ provides results comparable to those achieved by a certified opthalmic technician using a "gold standard" device for assessing vision.

Distribution of our vision screening program is focused on schools, through government health programs, pediatricians, and other health care professions. Schools represent the most efficient distribution channel because they offer the single largest venue for reaching children.

EyeSpy 20/20™ System Features
• Easy-to-implement program and will operate on most computers currently in schools.
• Automated, age-appropriate vision screening protocols, for ages 3 years old and up.
• Professional, easy-to-read report documenting screening results in either English or Spanish.
• Integrates with EMR and EHR Systems
• HIPAA Compliant Data Storage
• Results are automatically and immediately available for school health records as well as for the child’s guardian.
• Child’s screening history is retained in a database, enabling rescreening without record duplication as well as reports that can be reprinted at any time, individually or collectively.
• Can be installed on an unlimited number of computers within a school.
• Offers schools and other organizations a fund-raising opportunity while protecting their students vision.

EyeSpy 20/20™..................300400
Annual Renewal License............300401
Testing Goggles...................300402
UBS Mouse 10’ Extension Cable...300403
Eye Patches.....................300404

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576

GOOD-LITE® 13
Distance Vision Screening

VSS: Computerized Vision Screening Software
The Good-Lite® Company has developed a computer-based Vision Screening System (VSS) that provides acuity tests for children as young as 3 years to adults.
The screening software will display LEA Symbols, HOTV, LEA Numbers, and Sloan Letters optotypes ranging from 20/100 to 20/10 (6/30 to 6/3) equivalent, 0.20 to 2.00. Optotypes can be displayed as either single line, single line with 50% spaced rectangles, or single optotypes with 50% crowding bars. The VSS can also quickly display critical lines only of 20/40 (6/12) for 3-5 year olds and 20/32 (6/9.5) for 6 and older. The screening software can be quickly calibrated to a testing distance of either 5, 10, or 13 feet.

Features:
- LEA Symbols, LEA Numbers, HOTV, and Sloan Letter optotypes.
- Critical line testing for 3-5 year olds and 6 and older.
- Single optotype with 50% crowding bars.
- Lines with 50% crowding rectangles.
- Threshold acuity testing.

Easily cycle through each acuity line using the included remote control. Run the VSS Screening software on your existing computer equipment. Windows XP and Vista compatible.

This kit includes:
- Vision Screening Software
- USB Remote Control

Requirements
Intel Celeron or AMD Athlon CPU, 512 MB RAM, 40 GB hard drive, Windows XP.

iPad Vision Apps
for iPads with high resolution displays only

Near/Distance Vision Screening Testing
Good-Lite’s Near/Distance Vision Screening and Testing app for the iPad 3 with retina display features evidence-based, proportionally spaced eye chart designs and optotypes for screening and testing both distance and near vision. App also includes Continuous Reading Text.

Near and distance vision threshold charts include LEA Symbols, HOTV, LEA Numbers, and Sloan Letters. Toggle button provides ability to change charts to prevent memorization. Each eye chart and Continuous Reading Text chart has 3 charts choices.

App settings permit screening or testing at different distances and measurements.

Available at iTunes Store

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App settings permit screening or testing at different distances and measurements.

Available at iTunes Store

iPad Vision Apps
Distance Acuity Wall Charts

LEA Symbols 10-Line Distance Chart (10 feet/3 meters)
This test is the most commonly used test in the health care of children at the age of 3 to 4 years and in amblyopia screening in many countries. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/16 (6/60 to 6/4.8) equivalent, 0.25 to 1.25. The 20/160 (6/48) and 20/100 (6/30) lines have been omitted. The reverse side is black and can be used as the test surface for the color vision test (#260260). Has a hole for hanging the chart on the wall. Includes response key, training cards, and instructions. 16" x 16" (40.6 cm x 40.6 cm). Folds to 16" x 8" (40.6 cm x 20.3 cm).

LEA Numbers 15-Line Distance Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Has hole for hanging on the wall. 18" x 20" (45.7 cm x 50.8 cm). Folds to 18" x 10" (45.7 cm x 25.4 cm).

Sloan Letters Folding Chart (10 feet, 3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. 18" x 18" (45.7 cm x 45.7 cm); folds to 18" x 9" (45.7 cm x 22.9 cm).

Cardiff Pediatric Acuity Test
Designed specifically for acuity measurement in children ages 6 months to 3 years. The test may also be helpful in other age groups for people with intellectual impairment, dementia, head injury, or stroke. Cards can be used at either 1 meter or 0.5 meter. This card set includes 36 cards providing 24 acuity levels when used at both distances and Children’s Fun Frame Occluders.

Pacific Acuity Test (PAC Test)
The Pacific Acuity Test is a vanishing optotype test designed with opposing figures to provide a simple forced-choice testing format appropriate for nonverbal children and individuals with developmental disabilities who are unable to respond to standard optotype recognition tests. Each card has two figures: a simple face, and an opposing oval target of the same overall size but with interior details that allow discrimination from the face at the threshold of acuity.

The full test kit consists of 18 cards with two cards at each level. The cards at each acuity level have a different position of the face target compared to the opposing oval figure. Each card can be presented at either 50 cm or 1 meter but the 1 meter test distance is recommended for greater accuracy and comparison to distance visual acuity tests. The test range from 1.3 logMAR (20/400) down to 0 logMAR (20/20) allows for testing a broad range of visual acuity.

PAC Test comes with protective canvas case and isolation mask.

Insist On Genuine LEA Products by GOOD-LITE®

LEA SYMBOLS®
LEA Numbers®

GOOD-LITE®

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
Distance Acuity Handheld Tests

LEA Symbols Single Symbol Book (10 feet/3 meters)
The Single Symbol Book is ideal for people who cannot perform when tested with a line test. This book can help determine the best resolution of the visual pathway in a child/adult with amblyopia or impaired vision. Single optotype line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask, response key, training cards, and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm). 250600

LEA Symbols Distance Vision Screener (10 feet/3 meters)
This test is designed for amblyopia testing or screening. The background is gray with the exception of a white rectangle spaced at 50% surrounding each line of symbols. Line sizes range from 20/80 to 20/16 (6/24 to 6/4.8) equivalent, 0.25 to 1.25. Includes response key and training cards. Pages are offset for easy flipping. Instructions are printed on the inside cover. 10 pages, 3.25" x 9" (8.25 cm x 22.9 cm). 259900

LEA Symbols 50% Spaced Crowding Bars Book (10 feet/3 meters)
This book features 50% spaced contour interaction bars to provide single optotype acuity with the proper crowding effect. Optotype line sizes range from 20/100 to 20/20 (6/30 to 6/6) equivalent, 0.20 to 1.00. Includes response key, training cards, and instructions. 17 offset pages for easy flipping. 4" x 4" (10.2 cm x 10.2 cm). 259200

LEA Symbols Flash Cards (10 feet/3 meters)
This set of flash cards was designed for testing distance visual acuity in children and adults who have difficulty with visual acuity charts, the Crowded Symbol Book test as in: Crowded Symbol Book test. Line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes response key, training cards, and instructions. 30 cards per set, 4" x 5" (10 cm x 12.7 cm) to 5" x 5" (12.7 cm x 12.7 cm). 252700

LEA Symbols Crowded Symbol Book (10 feet/3 meters)
Variant of the line test for children or adults who have difficulty concentrating on a chart. The center symbol is surrounded on four sides by symbols of the same size. The interaction between the center symbol and the surrounding symbols is approximately the same as in a line test. The test size is convenient and easy to administer during screenings, home visits, and unique testing situations. Often, this is the first line test that can measure visual acuity of a young child with amblyopia, because the test produces the effect of crowding. Line sizes range from 20/63 to 20/16 (6/19 to 6/4.8) equivalent, 0.32 to 1.25. Includes response key, training cards, and instructions. 16 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm). 250700

LEA Symbols Single Number Book (10 feet/3 meters)
The LEA Numbers Single Number Book is ideal for situations in which the child/adult cannot perform when tested with a line test. This book can help determine the best resolution of the visual pathway in a child/adult with amblyopia or impaired vision. Single optotype line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm). 274000

Single HOTV Letter Book With 50% Spaced Crowding Bars (10 feet/3 meters)
This book features 50% contour interaction bars to provide single optotype acuity with the proper crowding effect. Optotype line sizes range from 20/100 to 20/16 (6/30 to 6/4.8) equivalent, 0.20 to 1.25. Includes response panel, training cards, and instructions. 17 offset pages for easy flipping. 4" x 4" (10.2 cm x 10.2 cm). 600350

LEA Numbers Single Number Book (10 feet/3 meters)
The LEA Numbers Single Number Book is ideal for situations in which the child/adult cannot perform when tested with a line test. This book can help determine the best resolution of the visual pathway in a child/adult with amblyopia or impaired vision. Single optotype line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes isolating mask and instructions. 13 offset pages for easy flipping. 5" x 5" (12.7 cm x 12.7 cm). 259900

Magnetic Sloan Letters Chart (20 feet/6 meters)
This durable chart is made of plastic-coated, galvanized steel with 2 sets of 20 magnetic strips (40 total) with 5 characters on each strip. Meets all qualifying standards for military aviators (e.g., officer candidates, pilots, air crewmen, etc). Approved by the Navy Bureau of Medicine and Surgery (BUMED). Chart measures 9.5" x 11" (24.1 cm x 28 cm). 20/20 size 400500
20/40 size (not shown) 400900

order online or find more information @ www.good-lite.com
Spot Handheld Vision Screener from PediaVision

Screeners Love Spot
Whether you’re screening 10 or 10,000 kids, any member of your team can conduct vision screenings. Spot is as easy to use as a camera and does the work for you; most operators become proficient within a few practice screenings. Spot provides a reliable, objective and immediate assessment. Spot can screen up to 60 children per hour. That’s enough to surpass the goals of even the most ambitious schools and charities. Because Spot is fast and simple to use, it’s easy to integrate into any charitable, nonprofit or school-based screening program. Spot goes where you go with a lightweight design and battery that powers a typical day of screening. You can do screenings virtually anywhere!

• Simple as taking a photo
• No formal training required
• Can be used by any staff member or volunteer

Screening Solution
With Spot, you get everything you need:

• User guide to help navigate you through Spot’s usage
• WiFi enabled for easy printing to optional printer
• Data can be easily stored and transferred to support various electronic records protocols.

Spot is Thorough
Spot instantly detects the indication of major vision issues, including:

• Anisometropia (unequal refractive power)
• Hyperopia (farsightedness)
• Strabismus (eye misalignment)
• Myopia (nearsightedness)
• Astigmatism (blurred vision)
• Anisocoria (pupil size deviations)

Spot’s unique binocular screening for amblyopic precursors (anisometropia/eye misalignment) makes it the ideal tool for early intervention programs targeted at special needs, pre-verbal and pre-school children.

Spot Handheld Vision Screener
Spot handheld vision screener with power cord.

Spot Soft Carrying Case
Protective case to store and transport the Spot Vision Screener.

Replacement Power Cable for Spot
Power cable for the Spot Vision Screener.

1 Year Additional Warranty
Provide your Spot Vision Screener with an additional 1 year of protection.

Contact Good-Lite for information on recommended printer and router for Spot.

The AAPOS Vision Screening Kit is for screening the vision of individuals beginning at age 3 through adulthood. Spiral-bound, multisided, distance visual acuity eye charts that can be hung on a wall or held in the hands. The distance charts contains both Full-Chart Threshold and Single Critical Line formats with the following optotypes:

• Sloan Letters for when children know their letters.
• LEA Symbols for preschoolers and for children who do not yet know their letters.

The AAPOS Vision Screening Kit includes Black Handheld Flip Paddle Occluder, Children’s Fun Frames Occluder Glasses, 10-foot cord for measuring, Translucent Response Panel, Instructions and DVD with additional information.

AAPOS Supplemental Screening Kit
The AAPOS Vision Screening Kit: Supplemental Screening Package is for screening the vision of individuals beginning at age 3 through adulthood.

The near vision chart contains both Full-Chart Threshold and Single Critical Line formats with the following optotypes:

• Sloan Letters for when children know their letters.
• LEA Symbols for preschoolers and for children who do not yet know their letters.

The AAPOS Supplemental Vision Screening Kit includes Black Handheld Flip Paddle Occluder, Children’s Fun Frames Occluder Glasses, 16 Plate Color Vision Test, Random Dot Butterfly stereopsis test, Instructions and DVD with additional information.
### Near Vision and Reading Visual Acuity

#### Intermediate Distance Charts

**80 cm and 66 cm Sloan Letters Intermediate Distance Charts**
Charts calibrated to test visual acuity at an intermediate distance of 31" (80 cm) or 26" (66 cm). Charts are available in 3 scrambled versions for repetitive testing situations. Sloan Letters optotypes with proportionally spaced lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Notations for Letter Size, Decimal, and logMAR are also on the chart. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinet. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 31" (80 cm) testing distance.

<table>
<thead>
<tr>
<th>Chart Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 cm Chart 1</td>
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<tr>
<td>80 cm Chart 2</td>
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<td>80 cm Chart 3</td>
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<td>66 cm Chart 1</td>
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<td>66 cm Chart 2</td>
<td>758510</td>
</tr>
<tr>
<td>66 cm Chart 3</td>
<td>758610</td>
</tr>
</tbody>
</table>

#### Near Vision Charts for ESV1200 & Model A+

**LEA Symbols Near Vision Chart**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinet. Chart size is 9" x 14" (22.9 cm x 35.6 cm). Includes response panel and flash cards.

- 257800

**LEA Numbers Near Vision Chart**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinet. Chart size is 9" x 14" (22.9 cm x 35.6 cm).

- 273000

**Sloan Letter Near Vision Charts**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinet. Chart size is 9" x 14" (22.9 cm x 35.6 cm).

- 756300
- 756400

#### Near Vision Acuity Cards for 16 inches/40 centimeters

**LEA Symbols Near Vision Card (16 inches/40 centimeters)**
This test assesses a child’s functional vision at near distances. Can also be used to familiarize child with testing procedure before introducing a distance test. Proportionally spaced (logMAR) lines on one side and more tightly-spaced symbols on the opposite side. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Response key printed on test card. Includes training cards and instructions. Card measures 8" x 10" (20.3 cm x 25.4 cm).

- 250800

**Sloan Letter Near Vision Screener (16 inches/40 centimeters)**
This test is designed for amblyopia testing or screening. The background is gray with the exception of a white rectangle spaced at 100% surrounding each line of symbols. Line sizes from 20/400 to 20/16 (6/120 to 6/4.8) equivalent, 0.05 to 1.25. Printed on two sides. Response key is printed on the test card. Includes training cards and instructions. Card measures 8" x 10" (20.3 cm x 25.4 cm).

- 252000

[order online or find more information @ www.good-lite.com]
Near Vision and Reading Visual Acuity

LEA Symbols & LEA Numbers Near Card (16 inches/40 centimeters)
This card combines a LEA Symbols line test on one side and a LEA Numbers line test on the other. Proportionally spaced (logMAR) lines from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Response key is printed on the test card. Training cards and instructions included. Card measures 8” x 10” (20.3 cm x 25.4 cm).

LEA Numbers Near Vision Card (16 inches/40 centimeters)
Proportionally spaced (logMAR) lines on one side and more tightly-spaced numbers on the other. Line sizes from 20/400 to 20/10 equivalent with continuous text line sizes ranging from 20/100 to 20/20 equivalent. Notations are indicated in Snellen in Feet/ Meters, logMAR, Decimal, Letter Size and Diopeters of Add.
This near vision card is available in different languages. Near vision card measures 10” x 8” (25.4 cm x 20.32 cm) and comes with attached 16” (40 cm) measuring cord for easy use. Printed on styrene for long lasting durability.

HOTV Near Vision Card (16 inches/40 centimeters)
This double-sided card combines Proportionally spaced (logMAR) lines on one side and 50% spaced rectangle (MassTest™ format) on the other. Line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Includes training cards and instructions. 8” x 10” (20.3 cm x 25.4 cm).

Sloan Letters Near Vision Card (16 inches/40 centimeters)
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Printed on both sides. 7” x 9” (17.8 cm x 22.9 cm).

Landolt C and Tumbling E Near Vision Card (16 inches/40 centimeters)
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Printed on both sides. 7” x 9” (17.8 cm x 22.9 cm).

Combination Near Vision and Reading Card
Near Vision Card has both continuous text reading examples and ETDRS format Sloan Letters. Sloan Letters line sizes range from 20/400 to 20/10 equivalent with continuous text line sizes ranging from 20/100 to 20/20 equivalent. Notations are indicated in Snellen in Feet/ Meters, logMAR, Decimal, Letter Size and Diopeters of Add.
This near vision card is available in different languages. Near vision card measures 10” x 8” (25.4 cm x 20.32 cm) and comes with attached 16” (40 cm) measuring cord for easy use. Printed on styrene for long lasting durability.

Combination Near Vision and Reading Card with High Contrast and 10% Low Contrast
Near Vision Card has both continuous text reading examples and ETDRS format Sloan Letters. The front side of the card is 100% black optotypes while the reverse side is 10% low contrast level. Sloan Letters line sizes range from 20/400 to 20/10 equivalent with continuous text line sizes ranging from 20/100 to 20/20 equivalent. Notations are indicated in Snellen in Feet/ Meters, logMAR, Decimal, Letter Size and Diopeters of Add.
Near vision card measures 10” x 8” (25.4 cm x 20.32 cm) and comes with attached 16” (40 cm) measuring cord for easy use. Printed on styrene for long lasting durability.

GOOD-LITE®
phone toll-free : 1.800.362.3860 • fax toll-free : 1.888.362.2576
Near Vision Pocket Cards for 16"/40 cm

LEA Symbols Pocket-Sized Near Vision Card (16 inches/40 centimeters)
Use this small pocket card to quickly determine whether a child's or an adult's visual acuity is within the normal range. Proportionally spaced (logMAR) lines on one side and 50% spaced symbols on the opposite side. Line sizes from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. 3.75" x 6.25" (9.5 cm x 15.9 cm).

LEA Symbols Pocket Box Stick (16 inches/40 centimeters)
The LEA Symbols Pocket Box Stick shows 20/125, 20/100, 20/80, 20/60, 20/50, 20/40, 20/30, and 20/20 lines. Each stick is 9/16" (1.4 cm) square and 4.5" (11.5 cm) long with fixation targets on each end.
A Proportionally spaced ................. 486200
B Linear-spaced .......................... 507100

LEA Numbers Pocket-Sized Near Vision Card (16 inches/40 centimeters)
Use this small pocket card to quickly discover whether a child's or an adult's visual acuity is within the normal range. Proportionally spaced (logMAR) lines on one side and more tightly-spaced numbers on the other. Line sizes from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. 3.75" x 6.25" (9.5 cm x 15.9 cm).

Sloan Letters and Landolt C Near Vision Card
This easy-to-use visual acuity near vision card features Landolt C on one side and Sloan Letters on the other. Both sides have optotypes in proportionally spaced (logMAR) lines with line sizes ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card size is 3.75" x 6.25" (9.5 cm x 15.9 cm). Testing distance is 16" (40 cm).

Sloan Letters Pocket-Sized Near Vision Card (16 inches/40 centimeters)
Sloan letters with line sizes of 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00 on one side. Continuous text is printed on the reverse side with line sizes 20/80 to 20/16. 3.75" x 6.25" (9.5 cm x 16 cm).

LEA Symbols and Landolt C Near Vision Card
This easy-to-use visual acuity near vision card features Landolt C on one side and LEA Symbols pediatric symbols on the other. Both sides have optotypes in proportionally spaced (logMAR) lines with line sizes ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card size is 3.75" x 6.25" (9.5 cm x 15.9 cm).

LEA Numbers and Landolt C Near Vision Card
This easy-to-use visual acuity near vision card features Landolt C on one side and LEA Numbers on the other. Both sides have optotypes in proportionally spaced (logMAR) lines with line sizes ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card size is 3.75" x 6.25" (9.5 cm x 15.9 cm).
Near Vision and Reading Visual Acuity

**Landolt C Near Vision Card**
This easy-to-use visual acuity near vision card features Landolt C. Both sides have optotypes in proportionally spaced (logMAR) lines with line sizes ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00. Card size is 3.75” x 6.25” (9.5 cm x 15.9 cm).

**Number & Word Recognition Pocket-Size Test Card**
Designed as a rapid test for checking current prescription and accuracy of the add to be prescribed. Contains words on one side and numbers on the reverse. Line increments in logMAR units in Snellen equivalent notations. Acuity range 8.0M to .4M (20/400 to 20/20). Measures 3.5” x 6.5” (9.5 cm x 16 cm)

**Near Acuity Test Chart**
This standardized assessment is designed with Sloan letters for testing subnormal low vision. Acuity range 16M to .5M (5/200 to 20/25). Measures 9” x 14” (23 cm x 35.5 cm)

**Word “Game” Recognition Pocket-Size Test Card**
Designed as a rapid test for checking current prescription and accuracy of the add to be prescribed. Line increments in logMAR units in Snellen equivalent notations. Acuity range 8.0M to .4M (20/400 to 20/20). Measures 3.5” x 6.5” (9.5 cm x 16 cm)

**“Bee” Continuous Text Card**
This near vision reading card includes simple sentences in proportionally spaced (logMAR) lines with Snellen equivalent notation. Acuity range 8.0M to .4M (20/400 to 20/20). Pediatric card tests children with elementary reading levels (grades 1-3). Two-sided, measures 7” x 9” (18 cm x 23 cm).

**Number Recognition Pocket-Size Test Card**
Designed as a rapid test for checking current prescription and accuracy of the add to be prescribed. Line increments in logMAR units in Snellen equivalent notations. Acuity range 8.0M to .4M (20/400 to 20/20). Measures 3.5” x 6.5” (9.5 cm x 16 cm)

**“Bird” Continuous Text Card**
Simple sentences in proportionally spaced (logMAR) lines with Snellen equivalent notations. Acuity range 8.0M to .4M (20/400 to 20/20). Pediatric card tests children with elementary reading levels (grades 1-3). Two-sided, measures 7” x 9” (18 cm x 23 cm).
Near Vision and Reading Visual Acuity

Near Vision Reading Cards for 16"/40cm

**Crowded HOTV Near Vision Card**
(16 inches/40 centimeters)
Crowded line sizes from 20/125 to 20/20 (6/38 to 6/6) equivalent, 16 to 1. Instructions printed on reverse. Includes paper isolating mask. 5.5" x 8" (14 cm x 20.3 cm).

**Lebensohn Near Vision Card**
(14 inches/35.6 centimeters)
This 2-sided contemporary reading card, designed by James Lebensohn, MD, provides a full range of near vision exercises, including words, numbers, and OX symbols. Optotypes include 20/800, 20/400, 20/260, 20/200, 20/100, 20/65, 20/50, 20/40, 20/30, 20/25, and 20/20. Notation equivalents include decimal readings in English and metric, Jaeger, point size, and visual efficiency percentages. Red/green bars employed on 5 pt to 12 pt optotypes. Card size is 5.5" x 8.5" (14 cm x 22 cm).

**Fonda-Anderson Near Vision Reading Card**
(16 inches/40 centimeters)
One side displays continuous text while the other side has LEA Symbols, LEA Numbers, and Sloan Letters. Card measures 5" x 8" (12.7 cm x 20.3 cm).

**Wormington Near Reading Card**
(16 inches/40 centimeters)
The Wormington Near Vision Card corrects inaccuracies of the Rosenbaum Vision Screener noted by Horton and Jones (1997) and others. For example, the "J" Notation, which lacked associated standards, was eliminated. The Wormington Near Vision card measures a patient’s single optotype near vision acuity and reading acuity. Card features Times Roman font and Tumbling Es and provides a metric scale and pupil size array to enhance versatility.

**Graded Reading Near Vision Booklet**
This easy-to-use near vision reading book provides appropriate reading examples for preschool through 8th grade, according to Flesch-Kincaid grade levels. The preschool section provides preschool testing using the clinically tested LEA Symbols together with LEA Numbers, which provide a narrow acuity threshold. Each tab along the side of the book allows the user to quickly go to the grade to be tested.

Each Grade Level has examples for 20/100, 20/80, 20/63, 20/50, 20/40, 20/32, and 20/20. The Reading Booklet also provides double-spaced examples for 2nd and 3rd grade students with suspected amblyopia, an Amsler Grid, an Acuity Equivalent Chart for 7 different optotype measurement nomenclatures, an Accommodation test, and an Astigmatic Chart.

Book has tabbed pages for ease of use and is printed on durable styrene. Coil binding permits the least distracting method of page presentation. Dimensions are 6.25" x 6.25" (16 cm x 16 cm) exclusive of tabs and binding.

**Contemporary Near Vision Card**
(16 inches/40 centimeters)
This 2-sided contemporary reading card provides familiar reading exercises, such as a crossword puzzle, help wanted ads, football and basketball scores, music song bar, calendar, playing cards, recipes, instructions, telephone white page listings, and TV listings. Continuous text examples are equivalent to 20/160, 20/100, 20/80, 20/50, 20/40 and 20/30. Notation equivalents include Jaeger and point size. Card size is 8.5" x 11" (21.5 cm x 28 cm).

**Dr. Good’s Near Vision Reading Card**
(14 inches/35.6 centimeters)
First-grade words. Line sizes from 20/160 to 20/20 (6/48 to 6/6) equivalent, 12 to 1. Card measures 5.5" x 8" (14 cm x 20.3 cm).

**Sloan Letters Near Card**
(16 inches/40 centimeters)
Linear-spaced lines. Line sizes range from 20/400 to 20/16 (6/120 to 6/4.8) equivalent, 0.05 to 1.25. 5.5" x 8" (14 cm x 20.3 cm).
Spanish Sloan Letters Near Pocket Card (16 inches/40 centimeters)
Sloan Letters with line sizes of 20/400 to 20/10 (6/120 to 6/3) equivalent, 0.05 to 2.00 on one side. Continuous text in Spanish is printed on the reverse side with line sizes 20/80 to 20/16. 3.75" x 6.25" (9.5 cm x 16 cm).

Spanish Wormington Near Reading Card (16 inches/40 centimeters)
This is a Spanish translation of the Wormington card. The known inaccuracies of the Rosenbaum Vision Screener as noted by Horton and Jones (1997) and others have been corrected in the Wormington card. The 'J' notation has been eliminated due to the lack of standards associated with it. This card measures a patient's single letter near acuity and reading acuity. Font used is Times Roman, typical of newspapers and books. Tumbling E series, metric scale, and pupil size array enhance the card's versatility.

Spanish Graded Reading Near Vision Booklet
This easy-to-use Spanish near vision reading book provides appropriate reading examples for preschool through 6th grade, according to Flesch-Kincaid grade levels. The Preschool section provides preschool testing using the clinically tested LEA Symbols together with LEA Numbers. Each tab along the side of the book allows the user to quickly go to the grade to be tested. Each Grade Level has examples for 20/100, 20/80, 20/63, 20/50, 20/40, 20/32, and 20/20. This reading booklet also provides double-spaced examples for 2nd and 3rd grade students with suspected amblyopia, an Amsler grid, an Acuity Equivalent Chart for 7 different optotype measurement nomenclatures, an Accommodation test, and an Astigmatic Chart. Book has tabbed pages for ease of use and is printed on durable styrene. Coil binding permits the least distracting method of page presentation. Dimensions are 6.25" x 6.25" (16 cm x 16 cm) exclusive of tabs and binding.

Spanish Near Point Card (16 inches/40 centimeters)
This Spanish language continuous text near point reading card includes notation equivalents for Jaeger, letter size, font size, Snellen feet, and Snellen meters. Determines acuity levels at 20/25, 20/30, 20/40, 20/60, 20/100 and 20/200. 5" x 7.5" (13 cm x 18 cm) card is printed on white styrene plastic.

Spanish Language with 10% Contrast Level on Back
Good-Lite® phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
Near Vision and Reading Visual Acuity

Miscellaneous Near Vision Items

LEA Symbols Playing Cards
These specially designed playing cards make it easy to measure near visual acuity in young children, while teaching concepts of similar/different, big/small, bigger/smaller. The 4 packs contain 16 cards each with symbols of varying sizes: 16M and 10M, 6.3M and 4M, 2.5M and 1.6M, and 1M and 0.63M. Includes training cards and instructions. The paper cards measure 1.6” x 2.75” (4 cm x 7 cm).

LEA Symbols Domino Cards
Assess the near visual acuity of 2- and 3-year-old children, or use the cards at any age (older than 2+ years) to train an amblyopic eye. Set contains 3 packs of 16 domino-like cards with a large symbol at one end and a small symbol at the opposite end. Symbol sizes are 3.2M and 0.8M, 2.0M and 0.5M, and 1.25M and 0.3M. Each symbol on the card is printed with its M unit, decimal value, 6 meter, and 20 foot equivalency for visual acuity value at 40 cm testing distance. Includes training cards and instructions. Paper cards measure 1.6” x 2.75” (4 cm x 7 cm).

Phoropter Roto Chart
This versatile near point Roto chart for the phoropter contains a variety of tests for the eye care professional. Fits on a phoropter using both the phoropter rod and clip. Notched wheel for easy chart selection. The Roto Chart comes in 2 versions and contains the following tests:

Phoropter Roto Chart 1 Features:
- Sloan Letters: Line sizes ranging from 20/200 to 12.5/20
- LEA Symbols: Line sizes ranging from 20/160 to 20/12.5
- LEA Numbers: Line sizes ranging from 20/160 to 20/12.5
- HOTV: Line sizes ranging from 20/160 to 20/12.5
- Tumbling E: Line sizes ranging from 20/200 to 20/12.5
- Astigmatic Wheel
- English and Spanish continuous text
- 20/32 and 20/63 Sloan Letters Vertical and Horizontal Line
- Cross Hatch Target

Phoropter Roto Chart 2 Features:
- Sloan Letter: line sizes ranging from 20/200 to 12.5/20
- LEA Symbols: line sizes ranging from 20/160 to 20/12.5
- LEA Numbers: line sizes ranging from 20/160 to 20/12.5
- English and Spanish continuous text
- 20/40 Sloan Letter Vertical and Horizontal Line
- 20/20 Sloan Letter Horizontal Line
- Cross Hatch Target and more

Roto Chart Clip
Used in conjunction with the Phoropter Rod to hold near point roto charts on your phoropter.

Phoropter Rod
Durable metal rod contains measurements for inches and diopters on one side and centimeters on the other. Phoropter Rod breaks down into two separate pieces for easy storage, 26.5” (67.31 cm) long in length.
Low Vision Charts

LEA Symbols Chart for Vision Rehabilitation (40 inches/1 meter)
This low vision test is designed for examining children and adults with severe visual impairments. The largest symbols are 50M in size, corresponding to 1/50 (20/1000, 6/300, 0.02). The smallest symbols are 1M in size, corresponding to 1/1 (20/20, 6/6, 1.00) at a distance of 1 meter. The test comes with an attached cord to maintain the proper testing distance. Includes response key, training cards, and instructions. Designed courtesy of August Colenbrander, MD. Chart measures 16” x 21.5” (40.7 cm x 54.6 cm). Folds to 16” x 10.75” (40.7 cm x 27.3 cm).

LEA Numbers Chart for Vision Rehabilitation (40 inches/1 meter)
This low vision test is designed for examining children and adults with severe visual impairments. The largest numbers are 50M in size corresponding to 1/50 (20/1000, 6/300, 0.02) and the smallest symbols are 1M in size corresponding to 1/1 (20/20, 6/6, 1.00) at a distance of 1 meter. The test comes with an attached cord to maintain the proper testing distance. Includes response key, training cards, and instructions. Designed courtesy of August Colenbrander, MD. 16” x 21.5” (40.7 cm x 54.6 cm). Folds to 16” x 10.75” (40.7 cm x 27.3 cm).

Effective Magnification Acuity Chart
The EMAG Chart allows for easy determination of the starting dioptic power needed to read standard size print. The chart is used at 10” (25 cm) with a +4.00 add and gives the doctor or technician a uncomplicated approach for incorporating low vision in their practice. Acuity lines range from 20/400 to newspaper size print. The chart comes with instructions and has an attached measuring cord that ensures proper testing distance.

LEA Symbols Cards, 40M and 60M
These five LEA Symbols Cards can be used for presentation as single optotypes or arranged in a row as a line test. 60M cards are approximately 8.6” x 8.6” (21.9 cm x 21.9 cm). 40M cards are approximately 6” x 6” (15.25 cm x 15.25 cm).

LEA Numbers Cards, 40M and 60M
These five LEA Numbers Cards can be used for presentation as single optotypes or arranged in a row as a line test. 60M cards are approximately 6” x 9” (15.25 cm x 22.9 cm). 40M cards are approximately 4” x 6” (10.2 cm x 15.25 cm).

Low Vision Reading Card
Available in either English or German language near vision reading card with 16” (40 cm) attached measuring cord for easy measurement. Chart contains continuous text with line sizes ranging from 20/320 to 20/16 (6/95 to 6/4.8) equivalent. The card also contains Letter Size, Decimal, logMAR, and M Size notations. Chart measures 15” x 10” (25.5 cm x 38.5 cm).

English .................................................. 777001
German .................................................. 777000

Runge Low Vision Near Card
(16 inches/40 centimeters)
This easy-to-use low vision card was developed to mimic reading from left to right. Printed answers on back of card allows the tester to follow the patient’s testing results. The back includes Snellen, meters, decimal, logMAR, font size, Jaeger, and M unit notations. A ruler and pupil gage is also included.

Sloan Letters with line sizes ranging from 20/1000 to 20/16 (equivalent). 13” x 7.5” (33 cm x 19 cm).

.......................... 756900
LEA Numbers Low Vision Book
LEA Numbers low vision test is designed for examining children and adults with severe visual impairments. This complete book includes testing for 10' (3 meters), 5' (1.5 meters) and 16" (40 cm) near vision. Distance testing line sizes range from 20/1600 to 20/16 equivalent, 0.25 to 1.25. Near vision testing line sizes range from 20/800 to 20/16 equivalent, 0.25 to 1.25.
This book comes bound either on the left side or top. Kit includes Butterfly occluder glasses for children and metal frame occluder glasses for adults are included.

Left-Side Bound
Kit .................................................. 513100
Book Only ........................................... 575300

Top Bound
Kit .................................................. 527300
Book Only ........................................... 575400

VISUALKEYES Vision Simulator Glasses
Simulator glasses are educational tools, developed by The Lighthouse Inc., to demonstrate the impact of different types of vision loss or near and distance activities. Experience what those with low vision see each day. The simulators in this kit allow you to try on a range of vision impairments and gain valuable understanding and insight into the daily challenges of those living with visual impairment.

Glasses are available in 7 versions with each one simulating a different visual impairment.

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<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
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<tr>
<td>Color Deficient</td>
<td>200779</td>
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</tbody>
</table>

Twin-Lux LED Stand Magnifier
The Schweizer 4.4X Twin-Lux LED Stand Magnifier is equipped with LEDs for bright, evenly dispersed, high contrast light. The Twin-Lux stand magnifier features the largest field of view at a 4.4x magnification. This is created using 2 aspheric lightweight lenses built-in at a precisely engineered distance. The Twin Lux magnifier enables a comfortable reading posture and utilizes the LEDs low energy consumption and long battery life. Requires 3 AA batteries (included).

Power: 4.4X
Diopter: 8D + 6D
Lens Size: 100 x 75mm + 100 x 50mm

Peripheral Field Loss

Combined Loss

Color Deficient

Schweizer Sempral Round Hand Magnifiers
Schweizer Sempral Round Handheld Magnifiers are a lightweight and durable visual aid, with a sleek and elegant design. The hand magnifier features a high quality aspheric lens to provide a clear, quality image and a round grip that includes an integrated lanyard holder for ease-of-use.
The 100 x 50 mm is the only magnifier offered with a rectangular lens.
Low Vision Magnifiers from SCHWEIZER

Schweizer Okolux Plus Handheld Magnifiers

The Schweizer Okolux Plus Mobil Handheld Magnifier features SMD LEDs (white clear light- 4500K light temperature). The SMD LEDs provides a bright, evenly dispersed, high contrast light. The aspheric lightweight magnifying lens is made of acrylic glass that is scratch-resistant. The lens provides a sharply defined, clear image that is further enhanced by the SMD LEDs. Okolux Plus Mobil line of handheld magnifier’s have been engineered for low energy consumption and a long-lasting battery life. The battery compartment was designed for easy battery replacement.

<table>
<thead>
<tr>
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<td>582000</td>
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<td>10D</td>
<td>75 x 50mm</td>
<td>Straight</td>
<td>580900</td>
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<tr>
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<td>12D</td>
<td>70mm</td>
<td>Straight</td>
<td>580800</td>
</tr>
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<td>5X</td>
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<td>Straight</td>
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<td>35mm</td>
<td>Straight</td>
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<tr>
<td>13X</td>
<td>48D</td>
<td>35mm</td>
<td>Straight</td>
<td>580200</td>
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<tr>
<td>15X</td>
<td>56D</td>
<td>35mm</td>
<td>Straight</td>
<td>581900</td>
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</table>

Schweizer 3X/8D Okolux Plus SMD LED Stand Magnifier

The Schweizer Okolux Plus Stand Magnifier features SMD LEDs (white clear light- 4500K light temperature). The SMD LEDs provide a bright, evenly dispersed, high contrast light. Low energy consumption and a long-lasting battery life. The aspheric lightweight magnifying lens is made of acrylic glass that is scratch-resistant. The lens provides a sharply defined, clear image that is further enhanced by the SMD LEDs. Okolux Plus Stand magnifiers feature easily interchangeable magnification heads, allowing you to create and update your personal magnifier if your future vision needs change or to replace a broken lens.

<table>
<thead>
<tr>
<th>Power</th>
<th>Diopter</th>
<th>Lens Size</th>
<th>Part Number</th>
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<tr>
<td>3X</td>
<td>8D</td>
<td>100 x 75mm</td>
<td>581500</td>
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<td>4X</td>
<td>12D</td>
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<td>16D</td>
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<td>10.75X</td>
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<td>35mm</td>
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<td>13X</td>
<td>48D</td>
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<tr>
<td>15X</td>
<td>56D</td>
<td>35mm</td>
<td>581700</td>
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Schweizer 2.5X/6D Modular LED Stand Magnifier
This magnifier features three 4-chip SMD LEDs. It is a bright, consistent and high contrast light with the three precisely aligned LEDs. The Aspheric lens is lightweight and mounted on an open and adjustable stand that can be inclined to accommodate right- or left-handed users and the lower powered magnifiers can be used when writing. This line of magnifiers also features interchangeable magnification heads.

<table>
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<th>Lens Size</th>
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<td>6X</td>
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<tr>
<td>8X</td>
<td>28D</td>
<td>35mm</td>
<td>582600</td>
</tr>
</tbody>
</table>

Schweizer Okolux Plus Low Power LED Illuminated Stand 4 Magnifier Kit
This Schweizer kit offers a range of magnifiers with 4 chip SMD LEDs packed in a compact tray box. They provide bright consistent and high-contrast light, the ideal illumination for reading or viewing objects. Each magnifier requires 3 AA batteries, included, and carry a 10-year limited warranty.

Kit includes:
- 581500 8D Stand Magnifier
- 581400 12D Stand Magnifier
- 581600 16D Stand Magnifier
- 581300 20D Stand Magnifier

Optelec Low Vision Diagnostic Tool
Even if your specialty isn’t low vision, this tool will allow you to easily guide more low vision patients to rehabilitation, support and vision aids. Assess, refer and retain patients and improve their quality of life in 10 minutes or less!

Assess - Conduct the test after an eye exam or it can be used in a home evaluation. It will determine the patient’s reading ability and need for electronic or optical vision aids.

Refer - Write your recommendation on a Low Vision Passport and give it to your patient. This Educational Guide introduces various types of Optelec low vision aids and an informational end-user website. It helps them connect with local support networks, including Low Vision Rehabilitation Specialists and Authorized Dealers. Build a partnership with professionals who will refer back to you!

Retain - Expand your patient care, partner for referrals, and distinguish your practice. Low vision patients get instant gratification and a new sense of hope despite their vision loss. This will help guide them towards a clear path for maintaining independence. Patients continue to return for check-ups and further treatment.

This kit includes:
- Diagnostic Tool
- Instruction Manual with Quick Start Guide
- Two-Sided Reading Test Card
- 15 Low Vision Passport Guides

Specify your order online or find more information @ www.good-lite.com
Low Vision

PowerScope Handheld Monocular Telescope
The Optelec PowerScope Handheld Monocular Telescope is a compact and lightweight, achromatic mini monocular telescope. The focal barrel rotation is smooth and fluid, allowing you to easily set your ideal viewing distance.

Due to the new design of the optics, the PowerScope 2.5X25 monocular telescope can be used for both distance and near focus viewing.

The PowerScope Clip-On Monocular includes a protective case and detachable neck strap and comes with a Limited Lifetime Warranty.

2.5X25 ........................ 556300
4X12 ........................ 037600
6x12 ........................ 037700

Optelec Compact Mini
The Optelec Compact Mini is the smallest and lightest electronic video magnifier offered by Optelec, designed as a simple and effective, high contrast alternative to a traditional optical magnifier. Read medicine labels, airline tickets, restaurant menus or price tags; the Compact Mini delivers convenience in a modern, pocket-sized solution.

The 3.5" full color screen has adjustable magnification of 2X, 5X, 8X, and 11X with multiple high contrast viewing options. Pocket-sized, lightweight at only 4.7 oz. 3-hour rechargeable battery; auto-shutoff to retain battery life.

Protective carrying case and wrist strap (included) with a 2-year standard warranty.

2.1X ........................ 460950

Schweizer Round Pocket Magnifier
The Schweizer Round Pocket Magnifier is a sleek, easy-to-use magnifier with Schweizer quality optics. The biconvex glass magnifying lens is mounted in transparent plastic. A strong grain leather casing protects the lens when not in use. The compact design allows you to store the pocket magnifier in a handbag, briefcase or pocket to take with you anywhere.

3.5X/100 - 60mm Lens
Black .......................... 544300
Red ............................ 578200

6X/200 - 30 mm Lens
Black .......................... 544000
Red ............................ 543700

Schweizer Bar Magnifier with Reading Line
The Schweizer bar magnifier or magnifying ruler is an ideal tool for magnifying text and following lines while reading. A handle is included on the reading magnifier to adjust while reading, and a flat bottom surface allows you to lay it flat on paper for hands-free use. An integral red-line guide helps to aid while you read. The bar magnifier is made of pure optical plastic.

1.5X Power
3.5 cm x 20 cm Long ........... 530200
3.5 cm x 33 cm Long ........... 530400

2X Power
2 cm x 16.5 cm Long ........... 530000

Optelec 4X/12D PowerDome Dome Magnifier
Optelec PowerDome 4X/12D Dome Magnifier is a great low vision aid for simple reading tasks requiring magnification. The dome magnifier is small and lightweight making them ideal for people having difficulty in holding a magnifier away from the page. The base easily slides over surfaces of reading material.

Each PowerDome comes with a soft micro-fiber case for cleaning and protection.

65 mm .......................... 076400
80 mm .......................... 076500
95 mm .......................... 076200

Optelec PowerTV Binocular Glasses
Lightweight, adjustable Optelec Power TV Glasses provide 2.1X magnification ideal for distance viewing. These comfortable glasses are perfect for watching television, movies, sporting events or other activities.

Using a fully adjustable twin-lens design to set a desired viewing distance, the easy-to-use glasses will maximize the size of your television screen and provide complete enjoyment of multiple activities. Optimal focal distance of 10".

Weighs only 1.7 oz. Includes a micro-fiber cleaning cloth and protective carrying case. Limited One Year Warranty.

2.1X .......................... 460950

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
Ultra Slim Magnifying Lamp XR
With bright 28 watts daylight™ light, the unique 7”/17.5 cm XR™ lens and the new Free-Motion head-joint™, this lamp combines the latest innovations in lighting design. These new features make your lamp extremely easy to operate and reliable. Our XR technology™ makes the lens 50% lighter and easy to clean. And the new head-joint guarantees you precise and smooth positioning of your lamp without constantly having to tighten the wing-nut.

MAGnificent Floor/Table LED Magnifying Lamp
The MAGnificent Lamp is ideal for all types of hobbies, crafts and reading. By simply removing the pole, it converts from a floor to a table magnifying lamp. It provides 27 high performance, energy efficient daylight™ LEDs which only use 3 Watts of energy but provide 65 watts of traditional bulb light. The large 5.75”/14.6 cm semi-rimless 1.75X magnifying lens allows close-work activity.

Flexi-vision Floor Lamp
This product is the result of extensive research and collaboration with the RNIB and other low vision specialists. The Flexi-vision™ Floor Lamp regroups all the best features to make it the ultimate reading lamp. The 20 watts daylight™ energy saving bulb (285 watts equiv.) reduces glare and improves contrast allowing you to read and write for a longer time in optimal comfort. With the new multi-swivel system and flexible arm, you can direct the light exactly where you need it and use this lamp near a sofa or at a table. The lamp itself is lightweight and designed to fold neatly away, making it easy to transport. Now for the technical bit - this top lamp boasts even more practical features, all designed to make sure you craft in comfort. The lamp’s detachable base makes it extremely stable and with daylight™ technology there is absolutely no strobe effect so eyestrain is reduced and potential headaches are eliminated.

Fold™ LED Lamp
The portable LED Fold™ Lamp features 30 bright daylight™ LEDs to give you comfortable full-spectrum natural daylight which is kind to your eyes, reducing glare which helps reduce eye strain, headaches and red-eye. The Fold™ will give up to 8 hours of bright white light on batteries and unlimited power using the USB connection to your laptop, making it the ideal travel companion.

White ........................................ 045000
Black .......................................... 045001

The Swan Lamp
The EasyTwist™ shade with extra long flexi-arm neck reach of 14”/36 cm allows easy positioning of the powerful 18 watts energy saving light. The lamp also includes a crystal clear 1.75X magnification lens on a new longer removable 19”/46 cm flexi-arm.

Hobby Lamp
The powerful 27 watts Full Spectrum Naturalight™ tube will give you the best color rendering and allow to read or work in comfort. With its flexible neck, you can also direct the light exactly where you are, not the other way around.
Low Contrast Tests

Low Contrast Charts

Translucent Low Contrast Charts (10 feet/3 meters)
A low contrast test is a special way to measure visual acuity by determining how well eyes function in low light situations and/or the ability to distinguish objects from similarly colored or shaded backgrounds. Testing is identical to the measurement of visual acuity at high contrast levels. The 2.5% test is the most practical test in clinical use. Available in 5 contrast levels: 1.25%, 2.5%, 5%, 10%, and 25%. LEA Symbols charts include response key and training cards. All contrast charts include recording forms and instructions.

A LEA Symbols*
1.25% (not shown) ............... 253700
2.5% (shown) ............... 253800
5% (not shown) ............... 253900
10% (not shown) ............... 254000
25% (not shown) ............... 254100

*B LEA Numbers
1.25% (not shown) ............... 271500
2.5% (shown) ............... 271600
5% (not shown) ............... 271700
10% (not shown) ............... 271800
25% (not shown) ............... 271900

C Sloan Letters
1.25% (not shown) ............... 600754
2.5% (shown) ............... 600753
5% (not shown) ............... 600752
10% (not shown) ............... 600751
25% (not shown) ............... 600750

Low Contrast Flip Charts
A low contrast flip chart is an easy way to measure, record, and detect changes in the transfer of visual information when the change affects only visual acuity at low contrast levels. Chart presents LEA Symbols, LEA Numbers, and Sloan Letters at the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Pages are offset for easy flipping. LEA Symbols contrast flip charts include response key and training cards. All flip charts include recording forms and instructions. 6 pages, 3.25” x 9” (8.25 cm x 22.9 cm).

D LEA Symbols
Mixed Order ............... 251100

E LEA Numbers
Mixed Order ............... 270400

F Sloan Letters
Mixed Order ............... 736000

Hiding Heidi Low Contrast Face Test
Visual communication is the most important communication method during the first year of life. The ability to detect objects of low contrast is an important component of the visual system. For example, facial expressions are mediated by faint shadows and changes in the contours of the mouth and eyes. Determining the levels of contrast that an infant can detect helps provide baseline data for evaluating future changes. For example, deviations from usual behavior may indicate disorders that leave vision at high-contrast levels unaffected.

Four cards printed on both sides in the following contrast levels: black, 25%, 10%, 5%, 2.5%, and 1.25%. Cards are 9” x 9” (23 cm x 23 cm). Includes instructions.

............. 253500
Low Contrast Tests

Evans Letter Contrast Test (ELCT)
The Evans Letter Contrast Test (ELCT) chart is a standardized test for letter contrast sensitivity. The ELCT chart is designed to be used with either the ESV3000 or ESC2000 providing consistent lighting for improved testing results. The ELCT chart presents Sloan Letters optotypes line size of 20/630 with a testing distance of 1m. The varying contrast in sets of 3 letters of equal contrast level. All triplets are balanced for letter difficulty and differ in contrast by 0.15 log contrast step.

ELCT Chart 1 contains 12 contrast levels ranging from standard 100% acuity to 1.65 log contrast or 2.24% contrast level. Studies show that 1.65 log contrast is the average letter contrast sensitivity for the normal older population. (Weber contrast calculation).

ELCT Chart 2 presents 4 contrast levels from 1.8 to 2.25 log contrast.
ELCT charts are available as either Chart 1 only or as a set of both Chart 1 and Chart 2. Kit with charts and ESV3000 are also available that include ESV3000 Standardized Cabinet, remote control and floor stand.

ELCT Charts Only
Chart 1 Only .................. 500031
Chart 2 Only .................. 500032
Set with Chart 1 and Chart 2 .... 500030

ESV3000 Kits
Chart 1 Only .................. 500631
Set with Chart 1 and Chart 2 .... 500630

Pediatric Low Contrast Near
Pediatric Near Low Contrast Test Booklet with contrast sensitivity levels of full contrast (100%), 25%, 10%, 5%, 2.5% and 1.25% proportionally spaced (logMAR) lines ranging from 20/400 to 20/16 using Michelson measures. One side of each page provides LEA Symbols for testing of 3 to 5 year olds. The reverse side shows LEA Numbers for testing 5 years olds and older. Near Contrast testing provides an efficient means to detect or track ocular pathologies, including glaucoma, ARMD, diabetic retinopathy, cataract, and keratoconus. Low contrast acuity loss measurement can used to demonstrate progress in disease treatment and help children's parents understand the need for continued support.

Score card, recording form and comprehensive instructions are also provided to support plotting of a graph with the child's results indicating the relationship of visual acuity and contrast sensitivity. Normal ratios are also indicated to permit comparison. The booklet is printed on high-quality styrene plastic for long-term durability.

10% 2.5% 5% 10% 25%

Adult Near Vision Low Contrast Test
This adult near vision low contrast test features both ETDRS format and Continuous Text in 100%, 25%, 10%, 5%, and 2.5% contrast levels. Continuous text letter sizes range from 20/100 to 20/20 (6/30 to 6/6) equivalent in each contrast level. ETDRS format letter sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent in 17 increments for each contrast level. Each contrast level page is tabbed for easy access with included instructions. Printed on durable long-lasting styrene plastic and clear coated for added protection. The near vision contrast booklet contains 7 pages measuring 6.25" x 6.25" (15.8 cm x 15.8 cm).

Testing distance is 16" (40 cm).

Low Contrast Translucent ETDRS Charts from Good-Lite
Good-Lite offers a wide selection of low contrast charts to fit your testing needs. Charts are available in different contrast levels and testing distances.

All charts are proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. 24.5"H x 25.5"W (62 cm x 65 cm).

13 feet/4 meters Testing Distance
LEA Numbers Optotype
2.5% ......................... 274200
10% .......................... 274300

10 feet/3 meters Testing Distance
Sloan Letters Optotype
1.25% ...................... 500030
2.5% ........................ 500029
5% .......................... 500028
10% .......................... 500027
25% .......................... 500026

order online or find more information @ www.good-lite.com
Quantum Series Illuminated Cabinet and Charts

ESV1200 Quantum™ Cabinet
LEDs provide uniform illumination across the entire testing surface. Universal power supply automatically adjusts power. Can be powered by an optional battery pack. The ESV1200 has a compartment in back for chart storage. Charts are not provided with this unit and must be ordered separately. 9.25”W x 15”H x 1.75”D (38.1 cm x 23.5 cm x 4.4 cm). CE and CSA listed.

ESV1500 Quantum™ Cabinet
Calibrated for Research Vision Testing
Similar to the ESV3000 using advanced patented technology, self-calibrating to provide consistent photopic (85 cd/m²) and mesopic (3 cd/m²) illumination on the chart surface. Controlled by infrared wireless remote. The ESV1500 has a compartment in back for chart storage. Charts are not provided with this unit and must be ordered separately. 9.25”W x 15”H x 3.25”D (38.1 cm x 23.5 cm x 8.3 cm). CE and CSA listed.

ESV1500 Quantum™ Cabinet
Similar to the ESV3000 found on page 40 but Portable!

ESV1200 Quantum™ Cabinet
LEDs provide uniform illumination across the entire testing surface. Universal power supply automatically adjusts power. Can be powered by an optional battery pack. The ESV1200 has a compartment in back for chart storage. Charts are not provided with this unit and must be ordered separately. 9.25”W x 15”H x 1.75”D (38.1 cm x 23.5 cm x 4.4 cm). CE and CSA listed.

Accessories

Stand for Professional, ESV1500, ESV1200, ESV1018, LED Insta-Line, Models A+, A, or M Cabinets
Add mobility to your light box with this deluxe universal 5-leg stand. Available with or without casters. Note: Using stand with LED Insta-Line requires LED Insta-Line bracket 914100 found on page 47.
A Casters .......................... 705000
B Without casters .................. 704000

Adjustable Wall Mount for ESV1500 and ESV1200 Illuminated Cabinets
This wall mount can easily adjust to patient’s eye level for more accurate acuity testing or screening. Extends less than 4” (10.2 cm) from wall. This wall mount is for ESV1500 and ESV1200 illuminated cabinet only.

Hinged Wall Bracket for Professional, ESV1500, ESV1200, ESV1018, Model A+, A, or M Cabinets
Allows cabinet to swing from wall or door jamb.

Canvas Carrying Case
For Quantum Series, Model A+, Model A, LED Insta-Line, and Insta-Line PLUS. Adjustable shoulder strap provides comfort when carrying an illuminated cabinet.

GOOD-LITE®

phone toll-free : 1.800.362.3860 • fax toll-free : 1.888.362.2576
10 feet/3 meters Distance Acuity Translucent Charts

ESV1500, ESV1200, Model A+, and Model A Translucent Charts

Chart Size: 9" x 14", 22.9 cm x 35.6 cm

**A LEA Symbols Set or Chart (10 feet/3 meters)**
Linear-spaced lines; line sizes range from 20/100 to 20/16 (6/30 to 6/3) equivalent, 0.20 to 1.25. Set includes response key, training cards, and instructions.

- **Set** .......................... 255000
- **Chart Only** .................... 255001

**B LEA Symbols Set or Chart (10 feet/3 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50. Set includes response key, training cards, and instructions.

- **Set** .......................... 250400
- **Chart Only** .................... 250401

10’ and 20’ notations only (not shown)
- **Set** .......................... 250411
- **Chart Only** .................... 250412

**C LEA Symbols Set or Chart (10 feet/3 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50 with repetitive left eye/right eye groups. Includes response key, training cards, and instructions.

- **Set** .......................... 252400
- **Chart Only** .................... 252401

**D Crowded HOTV Set or Chart (10 feet/3 meters)**
Crowded line sizes from 20/100 to 20/16 equivalent, 0.20 to 1.25. Set includes chart, response key, training cards, and instructions.

- **Set** .......................... 600001
- **Chart Only** .................... 600724

**E HOTV Set or Chart (10 feet/3 meters)**
Linear-spaced lines; line sizes range from 20/100 to 20/16 equivalent, 0.20 to 1.25. Set includes chart, response key, training cards, and instructions.

- **Set** .......................... 600017
- **Chart Only** .................... 600717

**F HOTV Test Set or Chart (10 feet/3 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50. Set includes chart, response key, training cards, and instructions.

- **Set** .......................... 600018
- **Chart Only** .................... 600736

**G HOTV Test Set or Chart (10 feet/3 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50. Set includes chart, response key, training cards, and instructions.

- **Set** .......................... 600759
- **Chart Only** .................... 600758

**PLEASE NOTE:** All charts may be held in the hands, mounted, or hung on a wall. Charts should be used at eye level with the person screened or examined.

**Test Sets for LEA Symbols & HOTV**
Test Sets for both LEA Symbols and HOTV optotypes include 1 chart, 1 response key with all four optotypes, and 4 training cards with one optotype on each card.

Response Panel and Cards are used to assist in preparing children for testing or help in identifying what optotype the children see on the chart.

**LEA Symbols Response Key and Flash Cards**

**HOTV Response Key and Flash Cards**

order online or find more information @ www.good-lite.com
10 feet/3 meters Distance Acuity Translucent Charts

ESV1500, ESV1200, Model A+, and Model A Translucent Charts
Chart Size: 9” x 14”, 22.9 cm x 35.6 cm

A LEA Symbols Clear Response Key
Response key with LEA Symbols. Printed on one side. Response Key is now translucent to allowing to easily view which optotype the child is pointing to.

B LEA Symbols Training Cards
Training cards with LEA Symbols. Printed on one side.

LEA Numbers Translucent Distance Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/8 (6/38 to 6/2.4) equivalent, 0.16 to 2.50.

C HOTV Response Key
Response Key with HOTV optotypes. Printed on one side.

D HOTV Training Cards
Training cards with HOTV optotypes. Printed on one side.

E Sloan Letters Chart (10 feet/3 meters)
Linear-spaced line sizes; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8) equivalent, 0.20 to 1.25. Lines are labeled with 10’ and 20’ notations only.

F Sloan Letters Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/160 to 20/10 (6/48 to 6/3) equivalent, 0.12 to 2.00.

Tumbling E Chart (10 feet/3 meters)
Wide-spaced lines; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8) equivalent, 0.20 to 1.25. Lines are labeled with 10’ and 20’ notations only.

This chart is recommended by the Texas Department of Public Health for vision testing and screening.
Illuminated Cabinets & Charts

**13 ft/4 m Translucent Distance Charts**

**LEA Symbols Set or Chart (13 feet/4 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/8 (6/30 to 6/2.4) equivalent, 0.20 to 2.50. Set includes response key, training cards, and instructions.

Set ........................................ 255100
Chart Only ............................... 255101

**HOTV Test Set or Chart (20 feet/6 meters)**
Crowded lines; line sizes ranging from 20/80 to 20/16 (6/24 to 6/4.8), 0.25 to 1.25. Set includes chart, response key, training cards, and instructions.

Set ........................................ 600006
Chart Only ................................ 600731

**Sloan Letters Chart (13 feet/4 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/80 to 20/10 (6/24 to 6/4.8), 0.25 to 2.00. Lines are labeled with 20’ notations only.

........................................ 600737

**Sloan Letters Chart (20 feet/6 meters)**
Linear-spaced lines; line sizes range from 20/80 to 20/16 (6/24 to 6/4.8), 0.25 to 1.25. Lines are labeled with 20’ notations only.

........................................ 600725

**Tumbling E Chart (20 feet/6 meters)**
Linear-spaced lines; line sizes range from 20/80 to 20/16 (6/24 to 6/4.8), 0.25 to 1.25. Lines are labeled with 20’ notations only.

........................................ 600735

**Snellen Letters Chart (20 feet/6 meters)**
Linear-spaced lines; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8), 0.20 to 1.25. Lines are labeled with 20’ notations only.

........................................ 600727

**20 feet/6 meters Translucent Distance Charts**

**LEA Numbers Translucent Distance Chart (13 feet/4 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/8 (6/30 to 6/2.4) equivalent, 0.20 to 2.50.

........................................ 271300

**A Sloan Letters Chart (13 feet/4 meters)**
Proportionally spaced (logMAR) lines; line sizes range from 20/125 to 20/10 (6/38 to 6/3) equivalent, 0.16 to 2.00.

........................................ 600739

**B Sloan Letters Chart (20 feet/6 meters)**
Linear-spaced lines; line sizes range from 20/80 to 20/16 (6/24 to 6/4.8), 0.25 to 1.25. Lines are labeled with 20’ notations only.

........................................ 600728

**Tumbling E Chart (20 feet/6 meters)**
Wide-spaced lines; line sizes range from 20/80 to 20/16 (6/24 to 6/4.8), 0.20 to 1.25. Lines are labeled with 20’ notations only.

........................................ 600736

*

order online or find more information @ www.good-lite.com
Intermediate Distance Charts

**80 cm and 66 cm Sloan Letters Intermediate Distance Charts**
Charts calibrated to test visual acuity at an intermediate distance of 31" (80 cm) or 26" (66 cm). Charts are available in 3 different scrambled versions for repetitive testing situations. Sloan Letters optotype with proportionally spaced lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Notations for Letter Size, Decimal, and logMAR are also on the chart. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinets. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 31" (80 cm) testing distance.

**66 cm Intermediate Distance Charts**

**LEA Symbols Near Vision Charts**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinets. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 16" (40 cm) testing distance. 257800

**LEA Numbers Near Vision Charts**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinets. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 16" (40 cm) testing distance. 273000

**Sloan Letters Near Vision Charts**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinets. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 16" (40 cm) testing distance. 756300

**Spanish Near Vision Reading Charts**
A set of 2 near vision chart with continuous text in Spanish language. Charts fit in either the Model A+ or ESV1200 Illuminated cabinet. Three different chart combination versions are available when repetitive testing is involved. Line sizes range from 20/320 to 20/250 (6/60 to 6/4.8) equivalent, 0.10 to 1.25 on one chart and 20/200 to 20/16 (6/60 to 6/4.8) equivalent, 0.10 to 1.25 on the other. Charts come in 2 different versions incase repetitive testing is involved. Testing distance is 16" (40 cm). 756780

**Chart Set 1**

**Chart Set 2**

**Spanish Near Vision Reading chart for Illuminated Cabinet**

**LEA Numbers Near Vision Charts**
Proportionally spaced (logMAR) lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. Chart fits in Quantum Series, Model A+, and Model A illuminated cabinets. Chart size is 9" x 14" (22.9 cm x 35.6 cm). 16" (40 cm) testing distance. 756400

**Chart Set 1**

**Chart Set 2**

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
ESV1018 Professional Illuminated Cabinet & Charts

ESV1018 LED Professional Illuminated Cabinet
The ESV1018 Professional Illuminated Cabinet holds 10" x 18" (25.4 cm x 45.7 cm) charts and uses light emitting diodes (LEDs) to provide uniform illumination for standardized testing. Controlled by included infrared wireless remote. Universal power supply. Measures 18.125"H x 10.125"W x 3"D (46 cm x 25.7 cm x 7.6 cm). CE and CSA Listed. Does not include charts, purchased separately.

ESV1018 Rechargeable Battery Pack (Optional)
Rechargeable battery pack for all LED series illuminated cabinets.

Adjustable Wall Mount for ESV1018 Cabinets
This wall mount can easily adjust to patient’s eye level for more accurate acuity testing or screening. Extends less than 4" (10.2 cm) from wall. This wall mount is for ESV1018 Illuminated cabinet only.

LEA Symbols Set or Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Set includes response key, training cards, and instructions.
Set ........................................ 800722
Chart Only ............................... 800721

LEA Numbers Translucent Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/160 to 20/8 (6/48 to 6/2.4) equivalent, 0.12 to 2.50.
........................................... 800737

Crowded HOTV Translucent Chart (10 feet/3 meters)
Crowded lines; line sizes range from 20/160 to 20/16 (6/48 to 6/4.8) equivalent, 0.12 to 1.25. Set includes chart, response key, training cards, and instructions.
Set ........................................... 800004
Chart Only ................................... 800726

A Sloan Letters Chart (10 feet/3 meters)
Linear-spaced lines; line sizes range from 20/160 to 20/16 (6/48 to 6/4.8) equivalent, 0.12 to 1.25.
........................................... 800713

B Sloan Letters Translucent Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/160 to 20/8 (6/48 to 6/2.4) equivalent, 0.12 to 2.50.
........................................... 800735

PLEASE NOTE: All charts may also be mounted or hung on a wall.
Illuminated Cabinets & Charts

Tumbling E Chart
(10 feet/3 meters)
Linear-spaced lines; line sizes range from 20/160 to 20/16 (6/48 to 6/4.8) equivalent, 0.12 to 1.25.

13 feet/4 meters ESV1018 Translucent Distance Charts

LEA Symbols Set or Chart
(20 feet/6 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/80 to 20/8 (6/24 to 6/2.4), 0.25 to 2.50. Set includes response key, training cards, and instructions.

LEA Numbers Translucent Chart
(20 feet/6 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/80 to 20/8 (6/24 to 6/2.4) equivalent, 0.25 to 2.50.

C Sloan Letters Chart
(20 feet/6 meters)
Linear-spaced lines; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8), 0.20 to 1.25.

D Sloan Letters Translucent Chart
(20 feet/6 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/10 (6/30 to 6/3), 0.20 to 2.00.

E Sloan Letters Reversed Translucent Chart
(20 feet/6 meters)
Reversed proportionally spaced (logMAR) lines; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8), 0.20 to 1.25. Response key and training cards are not included.

F Tumbling E Chart
(20 feet/6 meters)
Linear-spaced lines; line sizes range from 20/100 to 20/20 (6/30 to 6/6), 0.20 to 1.00.

Low Vision Sloan Letters Translucent Chart (20 feet/6 meters)
Low vision reversed Sloan Letters chart; line sizes range from 20/400 to 20/160 (6/120 to 6/48), 0.05 to 0.125. Available as either standard or reversed letters.

A .................. 800741
B (Reversed Letters) .................. 800742

phone toll-free: 1.800.362.3860  •  fax toll-free: 1.888.362.2576
ETDRS Illuminated Cabinet & Charts

ESV3000 ETDRS Illuminated Cabinet
Contains patented internal calibration technology, which automatically controls the standardized LEDs (light emitting diodes) output. When this lighting technology is combined with a universal standard power supply, the result is consistent standardized lighting that makes the ESV3000 the most accurate, easy-to-use tester for evaluating ETDRS and logMAR acuity. Simply turn on the device and with a push of a button, the ESV3000 automatically calibrates to a photopic light level of 85 cd/m² or a mesopic level of 3 cd/m². These light levels are recommended by the National Academy of Sciences’ Committee on Vision Testing Standards.

The ESC2000 Illuminator Cabinet
This is our more cost effective ETDRS Cabinet providing a uniform retro-illuminated testing surface, ideal for clinical testing of high contrast and low contrast logMAR tests, including ETDRS, Lea Symbols, Lea Numbers, Landolt C, etc. This makes it the perfect choice when precision calibrated luminance is not required.

Both measure 24.5"H x 25.5"W x 3.75"D (62 cm x 65 cm x 9.75 cm). CE and CSA listed.

<table>
<thead>
<tr>
<th>Compare Cabinets</th>
<th>ESV3000 with Calibrated LED Lights</th>
<th>ESC2000 with LED Lights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self Calibrate to 85 cd/m²</td>
<td>✔ Yes</td>
<td>✔ No</td>
</tr>
<tr>
<td>Provide Mesopic Testing</td>
<td>✔ Yes</td>
<td>✔ Yes</td>
</tr>
<tr>
<td>Provide Uniform Light</td>
<td>✔ Yes</td>
<td>✔ Yes</td>
</tr>
<tr>
<td>Ready for Immediate Use</td>
<td>✔ Yes</td>
<td>✔ Yes</td>
</tr>
<tr>
<td>Universal Power Supply</td>
<td>✔ Yes</td>
<td>✔ Yes</td>
</tr>
<tr>
<td>Custom Light Levels Available</td>
<td>✔ Yes</td>
<td>✔ Yes</td>
</tr>
<tr>
<td>Built-in Glare Light Receptacle</td>
<td>✔ Yes</td>
<td>✔ No</td>
</tr>
<tr>
<td>Remote Controlled</td>
<td>✔ Yes</td>
<td>✔ No</td>
</tr>
</tbody>
</table>

ESV3000 ETDRS Standardized Viewer
The only ETDRS viewing cabinet that self-calibrates illumination on the chart surface for both photopic (85 cd/m²) and mesopic (3 cd/m²) light level testing. The unit utilizes the most advanced self-monitoring LED light source patented technology, providing uniform and highly calibrated illumination across the entire testing surface (Patent 5,078,486).

ESV3000 Kit With Original Series
4 Meter ETDRS Charts
Includes the ESV3000 viewer, ESV3000 stand, and 3 Original Series 4 meter ETDRS charts.*

ESV3000 Kit With "2000" Series
4 Meter ETDRS Charts
Includes the ESV3000 viewer, ESV3000 stand, and 3 "2000" Series 4 meter ETDRS charts.*

ESV3000 Kit With "2000" Series
3 Meter ETDRS Charts
Includes the ESV3000 viewer, ESV3000 stand, and 3 "2000" Series 3 meter ETDRS charts.*

ESV3000 ETDRS Viewer
Individual Items
ESV3000 ETDRS Standardized viewer only.*

ESC2000 ETDRS Standardized Viewer
Our more cost effective ETDRS Viewer when calibrated light levels are not required.

ESC2000 Kit With Original Series
4 Meter ETDRS Charts
Includes the ESC2000 viewer, ESC2000 stand, and 3 Original Series 4 meter ETDRS charts.*

ESC2000 Kit With "2000" Series
4 Meter ETDRS Charts
Includes the ESC2000 viewer, ESC2000 stand, and 3 "2000" Series 4 meter ETDRS charts.*

ESC2000 Kit With "2000" Series
3 Meter ETDRS Charts
Includes the ESC2000 viewer, ESC2000 stand, and 3 "2000" Series 3 meter ETDRS charts.*

ESC2000 ETDRS Viewer
Individual Items
ESC2000 ETDRS Standardized viewer only.*

† Manual user adjustment required.
* Power plug adaptor may be needed for outlets outside the United States.
Accessories and Options

ESV3000 Glare Lights
Easy-to-use Glare Lights simply plug in. Turn on and off remotely when used in conjunction with the ESV3000. Set of 2. Can only be used with the ESV3000.

ESV3000 Floor Stand
ESV3000 Floor Stand with casters. The base of the stand measures 27.5” square (69.85 cm). The height is adjustable from a minimum of 33” (83.82 cm) to maximum of 49” high (124.46 cm).

13 feet/4 meters ETDRS Distance Charts
Chart Size: 24.5” x 25.5”, 62 cm x 65 cm

"2000" Series ETDRS Translucent Distance Charts (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Revised version of the original ETDRS series based on more recent research.
A Chart “1” .......................... 500016
B Chart “2” .......................... 500017
C Chart “3” .......................... 500018

LEA Symbols ETDRS Translucent Distance Charts (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/160 to 20/8 (6/48 to 6/2.4) equivalent, 0.90 to 2.50. Includes response key, training cards, and instructions.
........................................ 253333

Original Series ETDRS Translucent Distance Charts (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Standardized format is used in National Eye Institute-sponsored clinical studies and in low vision evaluations when accurate and repeatable visual acuity measurements are needed.
D Chart "R" .......................... 500013
E Chart “1” .......................... 500014
F Chart “2” .......................... 500015

LEA Numbers ETDRS Translucent Distance Chart (13 feet/4 meters)
Proportionally spaced (logMAR) lines; lines range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Chart is available in 3 scrambled versions for repetitive testing.
G ........................................ 270200
H ........................................ 270200A
I ........................................ 270200B

Note: All charts, except for the low contrast charts, can be hung on a wall.
Illuminated Cabinets & Charts

13 feet/4 meters ETDRS Distance Charts
Chart Size: 24.5" x 25.5", 62 cm x 65 cm

Landolt C ETDRS Translucent Distance Charts (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. 500037

HOTV ETDRS Translucent Distance Chart (13 feet/4 meters)
Proportionally spaced (logMAR) lines; lines range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Chart is available in 2 scrambled versions for repetitive testing.
A. 500025
B. 500034

Tumbling E ETDRS Translucent Distance Charts (13 feet/4 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. 500044

Crowded HOTV ETDRS Translucent Distance Chart (13 feet/4 meters)
HOTV letters with 50% contour interaction bars to provide single optotypes with crowding. Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Chart is available in 2 scrambled versions for repetitive testing.
C. 500035
D. 500036

New Roll-up ETDRS Charts can be found on page 44.

10 feet/3 meters ETDRS Distance Charts

"2000" Series ETDRS Translucent Distance Charts (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Revised version of the original ETDRS series based on more recent research.
E Chart "1" 500010
F Chart "2" 500011
G Chart "3" 500012

Original Series ETDRS Translucent Distance Charts (10 feet/3 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Revised version of the original ETDRS series based on more recent research.
H Chart "R" 500046
I Chart "1" 500047
J Chart "2" 500048

Note: All charts, except for the low contrast charts, can be hung on a wall.
LEA Symbols ETDRS Translucent Distance Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; lines range from 20/200 to 20/6 (6/60 to 6/2.4) equivalent, 0.10 to 2.50. Includes response key, training cards, and instructions. 24.5" x 25.5" (62 cm x 65 cm).

LEA Numbers ETDRS Translucent Distance Chart (10 feet/3 meters)
Proportionally spaced (logMAR) lines; lines range from 20/200 to 20/6 (6/60 to 6/2.4) equivalent, 0.10 to 2.50.

1.25% 2.5% 5% 10% 25%

"2000" Series ETDRS Translucent Distance Charts (6.5 feet/2 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Revised version of the original ETDRS series based on more recent research.

K Chart "1" ........................................ 500041
L Chart "2" ........................................ 500042
M Chart "3" ........................................ 500043

Original Series ETDRS Translucent Distance Charts (6.5 feet/2 meters)
Proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. Revised version of the original ETDRS series based on more recent research.

N Chart "R" ........................................ 500038
O Chart "1" ........................................ 500039
P Chart "2" ........................................ 500040

ETDRS Low Contrast Charts

Low Contrast Translucent ETDRS Charts from Good-Lite
Good-Lite offers a wide selection of low charts to fit your testing needs. Charts are available at different contrast levels and testing distance.
Some charts are available in "Scrambled Versions" with optotypes in different order for when repetitive testing is involved.
All charts are proportionally spaced (logMAR) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00. 24.5"H x 25.5"W (62 cm x 65 cm).

13 feet/4 meters Testing Distance
Sloan Letters Optotype
1.25% .............................................. 500022
1.25% - Scrambled Version .............. 500033
2.5% .............................................. 500021
2.5% - Scrambled Version .............. 500032
5% .................................................. 500020
10% ............................................... 500019
25% ............................................... 500023

10 feet/3 meters Testing Distance
Sloan Letters Optotype
1.25% .............................................. 500030
2.5% .............................................. 500029
5% .................................................. 500028
10% ............................................... 500027
25% ............................................... 500026

13 feet/4 meters Testing Distance
LEA Numbers Optotype
2.5% .............................................. 274200
10% ............................................... 274300
ETDRS Rollup Charts

ETDRS Translucent Distance Charts
Our standard ETDRS charts printed on a thinner styrene plastic allowing the chart to be easily rolled up for storage or transporting. Each chart comes with plastic wall hanging clip.

Each chart is proportionally spaced (logMAR) lines; lines range from 20/200 to 20/8 (6/60 to 6/2.4) equivalent, 0.10 to 2.50.

13ft/4m ETDRS Charts
Original Series Chart R............ 511113
Original Series Chart 1............ 511114
LEA Numbers Chart............ 270211

10ft/3m ETDRS Charts
LEA Symbols ETDRS Chart............ 250311

Super Pinhole Cabinet & Charts

Super Pinhole Macula Cabinet
This Cabinet can assist with testing potential visual acuity when considering cataract surgery for patients with retinal disease, such as macular degeneration. This greatly improved Super Pinhole Macula Cabinet provides uniform illumination across the entire chart. LEDs provide uniform illumination. Universal power supply. Sloan Letters Super Pinhole chart (300304), Extension Cord (300320), and Multiple Pinhole Occluder (700010) are included with the cabinet.

Accessories

Multiple Pinhole Spectacle Occluder
Pinhole Spectacle... 700010
Spectacle Only... 700012

Reversible Pinhole Occluding Glasses
One side is occluded with 5 pinholes, the other is fully occluded. Sturdy metal frames with straight temples for easy reversibility.

Small Pinhole Occluder
Miniature occluder with 17 pinholes. 4” x 1.25

Replacement Extension Cord
Replacement extension cord for the Super Pinhole Macula Cabinet.

Super Pinhole Macula Charts (5 feet/1.5 meters)
High contrast charts for the Super Pinhole Macula Cabinet. Optotypes are proportionally spaced (logMAR) lines; line sizes ranging from 20/100 to 20/20 (6/30 to 6/6) equivalent, 0.25 to 1.25.

F Sloan Letters... 300304
G Sloan Letters Scrambled... 300305
H LEA Numbers... 300306
I LEA Symbols... 300307

GOOD-LITE®
order online or find more information @ www.good-lite.com
VectorVision CSV-1000 Contrast Sensitivity

The New CSV-1000HGT
The CSV-1000HGT tests a combination of contrast and glare sensitivity providing the most accurate measure to evaluate cataracts, glaucoma, diabetic eye disease, contact lens performance, refractive surgery, etc. Patented photocell circuitry automatically monitors and calibrates instrument testing light levels. The CSV-1000HGT includes the following: CSV-1000HGT instrument, remote control (with battery), score pads, your choice of test face(s), and instruction manual.

CSV-1000HGT Contrast Testing System
CSV-1000HGT Instrument with Glare Lights and 1 Test Face. Stand sold separately. (shown) .......................... 500050

Accessories for CSV-1000
Mesopic Testing Lens .......................................................... 500053
Floor Stand with Casters ......................................................... 500004

CSV-1000 Contrast Testing System
The CSV-1000 is the only self-standardized vision testing instrument. In each row of the device, photocell circuitry continually monitors and calibrates the instrument light level. This unique system senses both the external light striking the face of the instrument and the internal light which emanates from the miniature fluorescent bulbs. By measuring both light sources, the patented circuitry (U.S. Patent Number 5,078,486) determines the total light reflected from the instrument face and provides for a constant test luminance level of 85 cd/m². CSV-1000 Contrast Testing System comes with CSV-1000 unit and one contrast testing chart. Floor stand sold separately. ........................................ 500000

CSV-1000 ETDRS Test Face
ETDRS acuity testing is the worldwide standard for visual acuity testing. The CSV-1000 ETDRS test face provides standardized testing of ETDRS acuity. Three different ETDRS tests are available: Chart R, Chart 1, and Chart 2.
Chart R .......................... 500003

CSV-1000S Test Face
The CSV-1000S test face is widely used for in-or out-of-office screenings and for cataract evaluations. This test presents standard visual acuity from 20/15 to 20/200, 2 rows of spatial frequencies (6 and 12 cycles/degree), and a real-world driver’s scene. The test is useful for cataract documentation because it provides a standard acuity score, a functional acuity score, and a real-world simulation. .......................... 500001

CSV1000CA Contrast Acuity (CA) Chart
Tests high contrast and 10% contrast from 20/100 to 20/10. .......................................................... 500052

CSV1000E Contrast Chart
This test provides for 4 rows of sine-wave gratings. At the recommended test distance of 8 ft (2.5 meters), these gratings test the spatial frequencies of 3, 6, 12, and 18 cycles/degree. The CSV-1000E provides a full contrast sensitivity curve, which is useful for the evaluation of ocular disease (particularly cataracts, glaucoma, optic neuritis, diabetes, and macular degeneration), contact lenses, and refractive surgery. For cataract evaluation/documentation, a functional acuity score can be obtained directly from the test scoring sheet. .......................... 500051

phone toll-free : 1.800.362.3860 • fax toll-free : 1.888.362.2576

GOOD-LITE®
Illuminated Cabinets & Charts

LED Insta-Line Quantum Cabinet & Charts

10 feet/3 meters Testing Distance Charts and Sets for ALL Insta-Line Cabinets

LEA Symbols Test Set
Linear spaced optotypes in the following size equivalents: 20/60, 20/50, 20/40, 20/32, 20/25, 20/20, 20/16, and 20/12.5. Two lines of each size with 5 optotypes on each line. Includes chart, response key, training cards, switch box overlay, and instructions. This test set is included with 915000 Complete LED Insta-Line Quantum™ and 916000 LED Preschool Insta-Line Quantum™. 9” x 14” (22.9 cm x 35.6 cm).

LEA Symbols Chart Only
Includes switch box overlay. 9” x 14” (22.9 cm x 35.6 cm).

HOTV Test Set
Linear spaced optotypes in the following size equivalents: 20/60, 20/50, 20/40, 20/32, 20/25, 20/20, 20/16, and 20/12.5. Two lines of each size with 5 optotypes on each line. Includes chart, response key, training cards, switch box overlay, and instructions. This test set is included with 915000 Complete LED Insta-Line Quantum™ and 916000 LED Preschool Insta-Line Quantum™. 9” x 14” (22.9 cm x 35.6 cm).

HOTV Chart Only
Includes switch box overlay. 9” x 14” (22.9 cm x 35.6 cm).

LEA Numbers Chart
Linear spaced optotypes in the following size equivalents: 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, 20/16, and 20/12.5. Two lines of each size with 5 optotypes on each line. Includes chart and switch box overlay. Included with 915000 Complete LED Insta-Line Quantum™. 9” x 14” (22.9 cm x 35.6 cm).

Sloan Letters Chart
Linear spaced optotypes in the following size equivalents: 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, 20/16, and 20/12.5. Two lines of each size with 5 optotypes on each line. Includes chart and switch box overlay. This chart is included with 915000 Complete LED Insta-Line Quantum™. 9” x 14” (22.9 cm x 35.6 cm).

Preschool LED Insta-Line Quantum™
Complete and accurate screening for preliterate children as young as 3 years. Portable, durable, and works with the touch of a finger. Includes LEA Symbols test set, HOTV test set, and occluder. Universal power supply. CSA Listed.

Basic LED Insta-Line Quantum™
Cabinet only, charts not included. Universal power supply. CSA Listed.

order online or find more information @ www.good-lite.com
LEA Symbols Combination Distance and Near Test Set
Easily screen both near and distance vision with one chart using the Insta-Line illuminated cabinet.
This pediatric eye chart features LEA Symbols pediatric symbols with 2 lines of linear-spaced optotypes in the following size equivalents: 20/50, 20/40, 20/32 and 20/20. Distance screening for these lines is 10 ft, 3 meters.
Near vision screening features LEA Symbols with 2 lines of linear-spaces optotypes in the following size equivalents: 20/200, 20/40 and 20/32. Near vision portion also contains 2 columns of proportionally spaced characters with size equivalents of 20/50 to 20/16.
Chart measures 9" x 14" (22.9 cm x 35.6 cm). Chart set includes overlay, flash cards and response panel. .................................................. 904034

LED Insta-Line Mounting Bracket
Add portability to your LED Insta-Line with the Insta-Line Mounting Bracket. Adding this bracket to our deluxe universal stand allows increased mobility. Mounting bracket can only be used with the LED Insta-Line Quantum. ................................................................. 914100

Stand for Professional, ESV1500, ESV1200, ESV1018, LED Insta-Line®, Models A+, A, or M Cabinets
Add mobility to your illuminated cabinet with this deluxe universal 5-leg stand. Available with or without casters. Note: Using stand with LED Insta-Line requires LED Insta-Line bracket 914100 found above.
A Casters .................................................. 705000
B Without casters ................................. 704000

Hyperopia Glasses (Hard Lens)
+1.75. Recommended for children 10 years or older. .................................................. 900003
+2.25. Recommended for children ages 6 to 10 years who have greater accommodation. ................................................................. 900002
+2.50. Recommended for children ages 6 to 10 years who have greater accommodation. ................................................................. 900005

Canvas Carrying Case
For Quantum Series, Model A+, Model A, LED Insta-Line, and Insta-Line PLUS™. Adjustable shoulder strap provides comfort when carrying an illuminated cabinet. .................................................. 904020

Crowded HOTV Test Set
Crowded optotypes in the following size equivalents: 20/50, 20/40, 20/30, and 20/20. Includes chart, response key, training cards, switch box overlay, and instructions. 9" x 14" (22.9 cm x 35.6 cm). .................................................. 904015

Crowded HOTV Chart Only
Includes switch box overlay. 9" x 14" (22.9 cm x 35.6 cm). .................................................. 900707

Children’s Vision Screening/Testing Fun Frames

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Butterfly</th>
<th>Horse</th>
<th>Parrot</th>
<th>Tiger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opaque Occluder</td>
<td>460800</td>
<td>460900</td>
<td>461000</td>
<td>461100</td>
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<tr>
<td>Frosted Occluder</td>
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<tr>
<td>+1.50 Hyperopia</td>
<td>516000</td>
<td>525900</td>
<td>525700</td>
<td>528900</td>
</tr>
<tr>
<td>+2.00 Hyperopia</td>
<td>491000</td>
<td>491100</td>
<td>491200</td>
<td>491300</td>
</tr>
<tr>
<td>+2.50 Hyperopia</td>
<td>500300</td>
<td>500400</td>
<td>500500</td>
<td>500611</td>
</tr>
<tr>
<td>+3.00 Hyperopia</td>
<td>514900</td>
<td>515100</td>
<td>515000</td>
<td>515200</td>
</tr>
</tbody>
</table>

GOOD-LITE®
Stereoacuity

Stereoacuity Screening and Testing

**Combination LEA Symbols and Stereo Fly Acuity Test**
Tests designed to rapidly test for amblyopia and strabismus using gross thru fine stereopsis (4800 to 20 sec of arc). Graded circle test from 400 sec now down to 20 sec with no monocular clues. New improved booklet has answer key on back cover and includes both adult and child polarized viewers.

**Random Dot 2 LEA Symbols Stereoacuity Test**
Designed to rapidly test for amblyopia and strabismus in early and non-readers and non-verbal children and adults. Expanded random dot LEA test (500, 250, 125 sec of arc). Graded circle test now down to 12.5 sec with no monocular clues. New improved booklet has answer key on back cover and includes both adult and child polarized viewers.

**Random Dot 3 LEA Symbols Stereoacuity Test**
Designed to rapidly test for amblyopia and strabismus in early and non-readers and non-verbal children and adults. Expanded Random Dot 3 with LEA Symbols tests gross disparity at 900, 650, 500 and 400 seconds of arc. Test children at 400, 200, 100 seconds of arc. Graded circle test now down to 12.5 seconds with no monocular clues. New improved booklet has answer key on back cover and includes polarized viewers.

**Random Dot E Stereoacuity Test**

**PASS Test™ 1**
Preschool Assessment of Stereopsis with a Smile (PASS) - Stereoacuity test for basic screening of stereopsis in children and non-readers. Includes: 3 Cards (720, Demo, and Blank), 1 Pair Pediatric Polarized Viewers, and 1 Pair Intermediate Polarized Viewers.

**PASS Test™ 2**
Preschool Assessment of Stereopsis with a Smile (PASS) - Stereoacuity test for school assessment of stereopsis in children and non-readers. Includes: 4 Cards (480, 240, Demo, and Blank) with Carrying Case, 1 Pair Pediatric Polarized Viewers, and 1 Pair Intermediate Polarized Viewers.

**PASS Test™ 3**
Preschool Assessment of Stereopsis with a Smile (PASS) - Stereoacuity test for quantitative assessment of stereopsis in children and non-readers. Includes: 6 Cards (480, 240, 120, 60, Demo, and Blank) with Carrying Case, 1 Pair Pediatric Polarized Viewers, and 1 Pair Intermediate Polarized Viewers.

**Stereo Vision Viewers**
Polarized stereoacuity test viewers.
A Adult ................................................................. 103050
B Intermediate .................................................. 103175
C Children ............................................................. 103150
Polarized Variable Vectographs

Polarized Variable Vectograph Vision Therapy System for Vision Training. Improve your patients' vision therapy outcomes using the new home reinforcement Vision Therapy System.

All Vectographs include therapy binder, doctor and patient instruction manuals, patient vision therapy recording form, and standard polarized viewers.

Vortex Polarized Variable Vectograph
Steroposis depth on Vortex image of 6100 seconds of arc. Letters' orient to the Vortex image above, below, and even with the image at +/-600 seconds of arc. 16-diopter range for base-in (divergence) training and 24-diopter range for base-out (convergence) training for a total accommodation range of 40 diopters. .................................................. 105550

VFD Variable Fixation Disparity™ Polarized Variable Vectograph
Two-dimensional Fixation Disparity target without central Fusion Lock and without peripheral Gem image. 16-diopter range for Base-In (Divergence) Training and 24-diopter range for Base-Out (Convergence) Training with total accommodation range of 40 diopters. .................................................. 106590

Chain Polarized Variable Vectograph Vision Therapy System
Three-dimensional Chain image to provide an introduction to binocular experiences. 16-diopter range for Base-In (Divergence) Training and 24-diopter range for Base-Out (Convergence) Training with total accommodation range of 40 diopters. .................................................. 105600

Large Saccadic Polarized Variable Vectograph
Treatment Vectograph contains four rows of saccadic Fixation Disparity Cross stimuli presented at a 20/100 acuity level, reflective of the visual demands of larger print books. Two-dimensional Fixation Disparity Target stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target). Total accommodation range is 40 diopters. .................................................. 107100

Small Saccadic Polarized Variable Vectograph
Treatment Vectograph comes with five rows of saccadic Fixation Disparity Cross stimuli presented at a 20/63 acuity level to monitor visual, binocular and accommodative functions more reflective of reading demands at higher grade levels (smaller print books). Two-dimensional Fixation Disparity Target stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target) with a total of accommodation range of 40 diopters. .................................................. 107101

Teddy Bear Polarized Variable Vectograph Vision Therapy System
Range of 6100 seconds of arc stereopsis depth. Teddy Bear and Blocks orient to the Vectograph above, below, and even with the image at +30 to +1500 seconds of arc and -25 to -1100 seconds of arc. 16-diopter range for base-in (divergence) training and 24-diopter range for base-out (convergence) training for a total accommodation range of 40 diopters. .................................................. 105700

Frog Polarized Variable Vectograph Vision Therapy System
Vectograph has stereopsis depth of 5300 seconds of arc. Frog image has stereopsis depth of 2500 seconds of arc. 16-diopter range for base-in (divergence) training and 24-diopter range for base-out (convergence) training for a total accommodation range of 40 diopters. .................................................. 105800
Stereoacuity

Disparity Polarized Targets

Far Polarized Fixation Disparity Target
Vectographic 2-dimensional Fixation Disparity Target for assessing Far Point of Fixation Disparity and Associated Vergence Measures at Distance. Can be administered in free space or behind a refractor and be presented at a variety of working distances. Includes Doctor Manual and Standard Polarized Viewers.

Near Polarized Fixation Disparity Target
Vectographic 2-dimensional Fixation Disparity Target for assessing Near Point of Fixation Disparity and Associated Vergence Measures at Near. Can be administered in free space or behind a refractor and be presented at a variety of working distances. Includes Doctor Manual and Standard Polarized Viewers.

Fixation Disparity Polarized Target
Fixation Disparity Polarized Target Vectographic 2-dimensional card with 2 Fixation Disparity Crosses positioned vertical to one another to facilitate the comparison of binocular performance when using a lower versus higher spatial frequency or acuity demand. Top Fixation Disparity Cross at 20/95 acuity level mimics reading demands of larger print books. The Small Target bottom Fixation Disparity Cross at 20/63 acuity level mimics reading demands at higher grade levels (smaller print books) while the Large Target bottom cross is at 20/100 acuity level.

Randomized Fixation Disparity Polarized Target
Assessment tool for measuring binocular/accommodative function during a saccadic eye movement task using a sequence of saccadic identification targets. Vectographic silvered card with four rows of saccadic Fixation Disparity Cross stimuli presented with a 20/100 target size, reflective of the visual demands of larger print books. Two-dimensional Fixation Disparity Cross stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)

Kits

PL Binocular Vision Dysfunction Diagnostic and Treatment System™
Quickly and accurately diagnoses large to small fixation disparities with this all inclusive kit, which contains the following items:

- 106575 - Far Fixation Disparity Target™
- 106550 - Near Fixation Disparity Target™
- 106055 - Gem™ Polarized Variable Vectograph
- 106050 - Gem PL™ Polarized Variable Vectograph
- 106595 - GemPL NFL™ Polarized Variable Vectograph


Binocular Accommodative Saccadic Series
BASS-PL (Binocular Accommodative Saccadic Series) Vision Therapy System for improving patient visual performance and reading efficiency, consisting of diagnostic Fixation Disparity Targets and treatment Vectographs with saccadic identification targets at two acuity levels.

- Fixation Disparity Polarized Targets (2 cross targets) (Large and Small)
- Randomized Fixation Disparity Polarized Targets (Large and Small)
- Saccadic Polarized Variable Vectographs (Large and Small)

Fixation Disparity Polarized Target Vectograph includes manual and standard polarized viewer.

Good-Lite® order online or find more information @ www.good-lite.com
Stereoacuity

**Berens 3 Character Test**
The Berens 3 Character Test is designed for patients who are unable to respond to the Worth 4-Dot Test, such as children who cannot name colors and individuals with low color perception. The 3 characters are: a red girl, a green elephant and a white ball. All are reproduced on a special insert that goes over the flashlight lens. The test set consists of a high-quality, three-cell flashlight with a pair of universal spectacles together and complete instructions. 3 D-cell batteries included.

Available as either a single or double Vectograph Viewing stand.
- **A** Single: 585600
- **B** Double: 587800

**Lichtenstein Fixation Box**
The Lichtenstein Fixation Box gives you the added ability to test fusion, as well as to maintain fixation for your younger patients. The box contains a Worth 4-Dot examination, a white fixation light for adults and older children, and a fixation light that changes colors for strabismus measurements or refraction. LEDs provide increased bulb life. Universal power supply. 7.25" H x 6" W x 1.5" D (18.4 cm H x 15.3 cm W x 3.8 cm D). CE and CSA Listed.

- **C** Worth 4-Dot Flashlight with Anaglyph Glasses. Batteries not included.
  - Standard: 950100
  - LEA Symbols: 520600

- **D** Reversible Red/Green Anaglyph Glasses
  - Durable metal frame glasses with spring-loaded temples. Storage case included.
  - **E** Adult: 153160
  - **F** Children: 153170

- **Worth 4-Dot Test Attachment**
The Worth 4-Dot Attachment fits on your Welch Allyn or Keeler transilluminator and supports Worth 4-Dot testing using red/green goggles. Compared to conventional flashlight versions, the Worth 4-Dot Test Attachment does not require cumbersome flashlight units or D batteries. Use with red/green anaglyph adult glasses 955100 or one of our Children’s Fun Frame anaglyph glasses found on page 56.
  - Standard Worth 4-Dot: 475900
  - LEA Symbols Worth 4-Dot: 499600

- **Illuminated Vectograph Viewer**
The Illuminated Vectograph Viewer is dual height to permit viewing of two VA vectographs at the same time. Provides even illumination and supports the full extension of vectographs.

  - The Vectograph Viewer is specifically designed to accommodate vectographs that measure 4.5" H x 6.5" W (11.5 cm x 16.5 cm) allowing for 2 rows top and bottom as shown. Sits at the proper viewing angle and includes a handle on top for easy portability.

  - The Illuminated Vectograph Viewer measures 10" x 16" x 2.5" (26 cm x 41 cm x 7 cm). Uses LED illumination with universal power supply (50-60 Hz, 110/240 AC) ensures long life.
  - **A** Single: 585600
  - **B** Double: 587800

- **Combination Polarized and Anaglyph Flipper**
Combination polarized and red/green stereo lenses into one flipper. Use the red/green for the Worth 4-Dot or other anaglyph test; then, flip to polarized lenses for stereoaucity test.
- **E** Adult: 153160
- **F** Children: 153170

**Red & Green Wraparound Glasses**
Wraparound anaglyphic (red/green) glasses offer a functional advantage for vision testing and therapy; they prevent side light regardless of where the patient moves his or her eyes or head.
- **E** Adult: 153160
- **F** Children: 153170

**GOOD-LITE®**

phone toll-free: 1.800.362.3860 • fax toll-free: 1.888.362.2576
Examination Tools

**Vergence Facility Prism**
Quick screen for binocular vision. Use to get the patient to cycle between the 2 prisms up to 15 cycles per minute. Use at 16" (40 cm) with 20/30 near point line. Prisms are 12D base-out and 3D base-in and 1.5 inch high (38 mm). Comes either mounted on a stainless stick holder or loose.
Mounted (Shown) ............... 477700
Prism Only ........................ 477701

**Stainless Steel Stick Prism Set**
Prisms are mounted on a stainless steel stick for easier and more sanitary presentation. Set includes: Red lens plus diopters of 0.5, 1, 2, 4, 6, 8, 10, 12, 15, 20, 25, 30, 35, 40, and 45, and 50 in a wooden storage box. Prisms are 37 mm square.
16-piece set ..................... 467100

**Loose Prism Sets**
These high quality prisms are used to measure the deviation in strabismus. It is important to conduct polarized testing through prisms that are known to cause the least interference with polarization. Prisms are available loose or with a magnetic attachable handle.
Set of 16 includes: 0.5, 1, 2, 4, 6, 8, 10, 12, 15, 20, 25, 30, 35, 40, 45, 50 diopter prisms, and red lens.
Set of 22 includes: 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 45, 50 diopter prisms, and red lens.
Each measures 37 mm square and includes case.
Loose Prism Sets
16-piece set ..................... 444900
22-piece set ..................... 444500

**Prism Bars**
Made from durable, lightweight acrylic. 16 segments that provide 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, and 45 PD. Vertical prism bars have 15 segments that provide 1, 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 25, and 30 PD. Includes protective case.
A Horizontal ..................... 444600
B Vertical ........................ 444700
A and B Combined ............... 444800

**Retinoscopy Paddles with Axis Compass**
This two-paddle version has one paddle with plus lenses and the other for minus. Optics on both are 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, and 12. Includes 180° axis compass printed directly along the top of each paddle. Lenses are 16 mm diameter, recessed to help prevent scratching. Lenses are glass for greater accuracy and durability. Includes protective case.

**Risley Rotary Prism**
Large aperture (1”/23 mm) rotating prisms permit more flexibility compared to your Phoropter. Two versions are offered: +/-20 PD or +/-30 PD with handles. The prisms are controlled with a convenient knurled rotating knob. Accurately calibrated dial shows prism diopter selected and rotates through 30 PD right-exo to 30 PD left-eso. 20 PD .................................. 467300
30 PD .................................. 467400

**Red Maddox Insert**
Red maddox insert for Risley Rotary Prism.

**Prism Flipper Set**
Five Prism Flipper Set includes 2, 3, 4, 6 and 8 diopters with base in and base out plus one occluding Flapper and Stand. Lens Types are:
2 Diopter (2^+2^) = 4^ total .......................... 137001
3 Diopter (3^+3^) = 6^ total .......................... 137002
4 Diopter (4^+4^) = 8^ total .......................... 137003
6 Diopter (6^+6^) = 12^ total ...................... 137004
8 Diopter (8^+8^) = 16^ total ...................... 137005

**Individual Prism Flipper Lens**
Handheld individual prism flipper.
Orientation of the prism flippers are Base In and Out.
Individual Prism Flipper Lens
1 Diopter (1^+1^) = 2^ total .......................... 137001
2 Diopter (2^+2^) = 4^ total .......................... 137002
3 Diopter (3^+3^) = 6^ total .......................... 137003
4 Diopter (4^+4^) = 8^ total .......................... 137004
6 Diopter (6^+6^) = 12^ total ...................... 137006
8 Diopter (8^+8^) = 16^ total ...................... 137008

**38mm & 48mm Corrected Curve Prisms**
Corrected Curve Prisms are used with our Yoked Prism Frames. The lenses are available individually in base powers from 0.25D to 12D. Each lens is clearly marked with the diopter power and a ‘line’ indicating the base. The 38 mm are recommended for use with Pediatric Patents.
Visit www.good-lite.com for more

**Yoked Prisms Frames**
Good-Lite offers a variety of Yoked Prism Frames for your practice. 38 mm for Pediatrics, 45 mm for VTE (Italy) lenses and 48 mm for adults with different options.
Visit www.good-lite.com for more

Visit www.good-lite.com for more information @ www.good-lite.com
The Thorington Card quickly measures heterophoria. The near card is used with a Maddox Rod. Scoring reveals if the patient has normal alignment when fusion is broken or if the patient has abnormal alignment. The card helps diagnose Uncrossed or Crossed Diplopia and RhypoP, LhyperP, RhyperP, and LhypoP. Includes a 1 mm hole in center for the fixation light. With the near adult card, each optotype represents 1 prism diopter, and measures +/-12 diopters. The card measures 5.75 x 4.75 inches (147 x 121 mm) and is available in 2 versions: Penlight/Transilluminator attachment or Touch LED Light.

Adult Thorington Card
Uses a combination of both numbers and letters. Available in 2 versions.
Transilluminator/Penlight ........ 489300
Touch LED .......................... 555800

Pediatric Thorington Card
Available in 2 versions.
Transilluminator/Penlight ........ 539000
Touch LED .......................... 555900

Pocket Neutral Density Bar
Used to measure Afferent Pupillary Defects (APD) which is defined as diminished pupil reaction to light levels. It uses 6 standard ND levels for quantifying APD. The log units quantify amount of light transmitted through the filter. Includes 6 filters rated as 0.3, 0.6, 0.9, 1.2, 1.5, and 1.8 log unit optical density values. The 0.3 ND filter is most useful for uncovering a borderline pupil defect.
The filter bar can be used in conjunction with the “Swinging Flashlight” test to detect and quantify the depth of any afferent conduction defect.
Fits in shirt pocket. Includes leather slip cover. Overall bar is 6.5" x 1" (16.5 cm long and 3 cm wide). Each filter measures 7/8" by 1" (2.5 cm x 3 cm).

Neutral Density Filter Bar
Will add 1.8 density to filter bar.

Neutral Density Bar Slide
Will add 1.8 density to filter bar.
**Fixed PD Trial Frames**

These adjustable fixed PD trial frames are comfortable because they are lightweight and sized to the patient’s needs and adjustable for temple length. Available in sets or individually. The set includes a PD rule to make accurate frame selection quick and easy. Each frame holds 3 trial lenses in front and a 4th lens behind on each side. All have a knob to rotate the axis of the front lenses.

The light blue fixed trial frames come in smaller PD sizes of 52, 54, 56, 58, and 60 mm. The 52, 54, and 56 mm PD trial frames will hold 3 lenses while the 58 and 60 mm light blue frames will both hold 4.

The light gray fixed trial frames come in larger PD sizes of 62, 64, 66, 68, and 70 mm and each will hold 4 lenses.

**Light Blue Frames**
- 52 mm PD: 530600
- 54 mm PD: 530700
- 56 mm PD: 530800
- 58 mm PD: 530900
- 60 mm PD: 531000

**Gray Frames**
- 62 mm PD: 531100
- 64 mm PD: 531200
- 66 mm PD: 531300
- 68 mm PD: 531400
- 70 mm PD: 531500

**Universal Adult Frames**

The following adjustments can be made: temple angle, temple length 4.125° to 5.5° (98 mm to 135 mm), nose bridge height 0 mm to 14 mm, nose angle 0° to 30°, PD adjustable to 24 mm to 40 mm on each side (48 mm to 80 mm total both eyes). Each frame holds 3 trial lenses in front and 1 behind. Clear, precisely printed scales. Foam-covered nose bridge for comfort.

- Axial calibration on each lens:
  - left - 120° to 0° to 135°
  - right - 45° to 180° to 60°
  - Lens rotation is full 360°

- Accommodates three 38 mm lenses in front and 1 behind. Clear, precisely printed scales. Foam-covered nose bridge for comfort.

- Lens
  - right
  - 0° to 180°
  - 45° to 120°
  - 0° to 360°

**Adjustable Adult Trial Frames**

Easy-to-use and lightweight adjustable adult trial frames. Lens holders on right/left side available for inserting 5 standard trial lenses simultaneously.

- Range of PD scale: 50~80 mm
  - Single side (right or left).
- Scale: 25~40 mm;
- Minimum scale Value: 1 mm
- Axis scale step: 5°
- Range of nose bridge adjustment:
  - Height: 0~23 mm
  - Angle: 0°~360°

These lightweight frames weigh only 61g.

**Pediatric Trial Frames**

Pediatric spring-hinged trial frames are both lightweight and easy to use. PD can be adjusted from 54 mm to 70 mm and accommodates up to four 38 mm trial lenses on each side. Also contains axis of astigmatism and one touch adjustment on nose pad.

- Blue: 469800
- Charcoal: 469900

**Clip-On Trial Frames**

Attaches to existing Rx glasses for a quick opportunity to over refract. Use of the clips reduces vertex distance error compared to phoropter. Once the patient’s distance Rx is correct, clips can help check presbyopic addition. Axis markings provided for use with cylinders. Set of 2 Clip-On Frames

- 301100

**10-Well Trial Lens Holder**

Easily use your existing trial lenses with this handheld 10-Well Trial Lens Holder. Contains 2 lens holders, 2 lens holders with axis scale, and nose bridge with a handle. Made of sturdy black plastic for long lasting durability.

- 151460

**15-Well Trial Lens Holder**

Easily use your existing trial lenses with this handheld 15-Well Trial Lens Holder. Contains 5 wells with a handle. Made of sturdy black plastic for durability.

- 151560
Examination Tools

Bagolini Striated Lenses
Finely striated, clear lenses used for evaluating retinal correspondence in patients with eye deviations. Consists of 2 circular lenses, indexed and mounted in 38 mm trial lens metal rings with tabs for use by the examiner. In testing suppression, the lenses are placed in a trial frame with the striations at an angle of 135° and 45° for each eye respectively.

Maddox Lenses for Trial Frames
Maddox lenses mount in trial rings oriented to the handle. Available as either Red, Green, or White.
A Red ................................. 473000
B Green .............................. 473100
C White .............................. 473200

Trial Lens Set
These are packaged in an attractive lockable briefcase and rims are plated for quick identification. The Trial Lenses kit colored rims with Red = Plus and Black = Minus or chrome-rimmed lenses. Also includes case, Prisms and accessory lenses. Space is provided for your choice of trial frame.
Reversed Red/Black Rims .......................... 592000
Chrome Rims .................................. 449300

Occluders for Trial Frames
Various occluders mounted in trial frames.
D Opaque Occluder ......................... 532400
E 1 mm Pinhole Occluder .................. 532500
F Frosted ..................................... 533100

Occluders

Multiple Pinhole Spectacle Occluder
Pinhole Spectacle .............................. 700010
Spectacle Only ............................... 700012

Multiple Pinhole Glasses
Each lens contains 49 pinholes in circular formation. Lightweight and easy to use.
.................................................. 204007

Reversable Pinhole Occluding Glasses
One side is occluded with 5 pinholes, the other is fully occluded. Sturdy metal frames with straight temples for easy reversibility.
.................................................. 204006

Reversible Occluding Glasses
One side is occluded, the other is open. Sturdy metal frames with straight temples for easy reversibility.
.................................................. 452300

Mini Handheld Occluder for Trial Frames
These easy-to-use and portable Mini Occluders are only 4 inches (10.1 cm) long. Available in 4 different versions; full occlusion, frosted, single pinhole or 17 pinhole occluder. Handle in printed with half moon to the edge with 8 sizes: 2 mm to 9 mm and 6 cm ruler and will fit in Trial Frames.
Opague ........................................ 605700
Frosted ....................................... 618600
Single Pinhole .............................. 605800
17 Pinholes ................................. 605900
Red Maddox .............................. 606000
White Maddox ............................ 607400
Green Maddox ........................... 607300

Trial Lenses for Your Practice
Good-Lite has a variety of individual trial lenses for your Practice available in both Cylinder and Sphere. Individual lenses have a chrome rim and come in standard sizes. Contact us with the diopter increment that you need for your set.
Cylinder Trial Lens Range
±20.0D to ±8.0D — 1.0 diopter increment
±7.50D to ±5.50D — 0.5 diopter increment
±5.25D to ±0.12D — 0.25 diopter increment

Sphere Trial Lens Range
±20.0D to ±8.0D — 1.0 diopter increment
±7.50D to ±5.50D — 0.5 diopter increment
±5.25D to ±0.12D — 0.25 diopter increment
Note: ±0.37D and ±0.12D are available for both Cylinder and Sphere Trial Lenses.
128000 Cylinder - Specify Diopter Increment
129000 Sphere - Specify Diopter Increment

Multiple Pinhole Spectacle Occluder
Pinhole Spectacle .............................. 700010
Spectacle Only ............................... 700012

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Single Pinhole .............................. 605800
17 Pinholes ................................. 605900
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White Maddox ............................ 607400
Green Maddox ........................... 607300

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±5.25D to ±0.12D — 0.25 diopter increment

Sphere Trial Lens Range
±20.0D to ±8.0D — 1.0 diopter increment
±7.50D to ±5.50D — 0.5 diopter increment
±5.25D to ±0.12D — 0.25 diopter increment
Note: ±0.37D and ±0.12D are available for both Cylinder and Sphere Trial Lenses.
128000 Cylinder - Specify Diopter Increment
129000 Sphere - Specify Diopter Increment

Multiple Pinhole Spectacle Occluder
Pinhole Spectacle .............................. 700010
Spectacle Only ............................... 700012

Multiple Pinhole Glasses
Each lens contains 49 pinholes in circular formation. Lightweight and easy to use.
.................................................. 204007

Reversable Pinhole Occluding Glasses
One side is occluded with 5 pinholes, the other is fully occluded. Sturdy metal frames with straight temples for easy reversibility.
.................................................. 204006

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Opague ........................................ 605700
Frosted ....................................... 618600
Single Pinhole .............................. 605800
17 Pinholes ................................. 605900
Red Maddox .............................. 606000
White Maddox ............................ 607400
Green Maddox ........................... 607300

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±20.0D to ±8.0D — 1.0 diopter increment
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±5.25D to ±0.12D — 0.25 diopter increment

Sphere Trial Lens Range
±20.0D to ±8.0D — 1.0 diopter increment
±7.50D to ±5.50D — 0.5 diopter increment
±5.25D to ±0.12D — 0.25 diopter increment
Note: ±0.37D and ±0.12D are available for both Cylinder and Sphere Trial Lenses.
128000 Cylinder - Specify Diopter Increment
129000 Sphere - Specify Diopter Increment
Examination Tools

**Frosted Clip-On Occluder**
Lightweight frosted occluder securely clips onto any existing frame.

**Clip-On Occluder**
Lightweight black plastic occluder clips onto any existing frame using metal spring clip.

**Multiple Pinhole Clip-On Occluder**
Lightweight black metal multiple pinhole occluder securely clips onto any existing frame.

**Frosted Clip-On Occluder**
Lightweight frosted occluder securely clips onto any existing frame.

**Adhesive Eye Occluder**
Lightweight, breathable elastic cloth for comfort and adhesive for a secure fit and easy removal.

**Opaque Plastic Occluders**
Set of 6 in either black or gray.

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Butterfly</th>
<th>Horse</th>
<th>Parrot</th>
<th>Tiger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opaque Occluder</td>
<td>460800</td>
<td>460900</td>
<td>461000</td>
<td>461100</td>
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<tr>
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<tr>
<td>Polarized</td>
<td>460400</td>
<td>462000</td>
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</tr>
<tr>
<td>+1.50 Hyperopia</td>
<td>516000</td>
<td>525900</td>
<td>525700</td>
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<tr>
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<tr>
<td>+2.50 Hyperopia</td>
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<td>500400</td>
<td>500500</td>
<td>500611</td>
</tr>
<tr>
<td>+3.00 Hyperopia</td>
<td>514900</td>
<td>515100</td>
<td>515000</td>
<td>515200</td>
</tr>
</tbody>
</table>

**LEA Face Disposable Occluder**
These easy-to-use disposable occluders are a perfect addition to any vision testing or screening program. Printed on sturdy card stock with LEA Smiling Face for fixation. Each package contains 50 occluders glued along the edge for easy storage.

Who said serious tests had to be done with boring test glasses? Add fun to your pediatric tests with our animal motif frames. Use these fun frames as occluders to increase testability, as pinhole occluders or hyperopia glasses, and during tests requiring anaglyph or polarized glasses, such as stereoacuity tests. Occluders come in left and right pairs with the same frame style. These covered frames are more colorful than shown here and they are surprisingly durable! Not for possession by children below age 3.

**Children’s Vision Screening/Testing Fun Frames**

- **Tiger Opaque Occluder**
- **Parrot Polarized Occluder**
- **Horse Frosted**
- **Butterfly Anaglyph**

**Sunflower Occluder Glasses**
These fun sturdy occluding glasses have flip-up sunflowers to permit occlusion of each eye. Supports 55 mm to 65 mm PD and recommended for children 3 years to 5 years old.

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Butterfly</th>
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<tr>
<td>+3.00 Hyperopia</td>
<td>514900</td>
<td>515100</td>
<td>515000</td>
<td>515200</td>
</tr>
</tbody>
</table>

**Happy Flip-up Occluders**
Fun colorful Happy Froggy or Pink Blossom pediatric occluding glasses have flip-up lenses to permit occlusion of each eye. Supports 55 mm to 65 mm PD and recommended for children 3 years to 5 years old.

**Tiger Opaque Occluder**

**Parrot Polarized Occluder**

**Horse Frosted**

**Butterfly Anaglyph**

**LEA Face Disposable Occluder**

**Adhesive Eye Occluder**

**Opaque Plastic Occluders**

**Clip-On Occluder**

**Multiple Pinhole Clip-On Occluder**

**Frosted Clip-On Occluder**

**Sunflower Occluder Glasses**

**Happy Flip-up Occluders**

<table>
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**Who said serious tests had to be done with boring test glasses? Add fun to your pediatric tests with our animal motif frames. Use these fun frames as occluders to increase testability, as pinhole occluders or hyperopia glasses, and during tests requiring anaglyph or polarized glasses, such as stereoacuity tests. Occluders come in left and right pairs with the same frame style. These covered frames are more colorful than shown here and they are surprisingly durable! Not for possession by children below age 3.**
Opaque and Frosted Occluders

approximately 9.5” (24 cm) in length.

A Single-ended black occluder. ....................................... 204004
B Single-ended single pinhole occluder. .......................... 479500
C Single pinhole and black occluder. ............................... 120101
D 17-pinhole and black occluder. ................................. 481800
E 49-pinhole and black occluder. ................................ 120302
F Frosted and black occluder. ........................................ 681000
G Frosted "See the Eye" occluder. .................................. 760000
H White opaque occluder. ............................................. 204005

Combination Maddox Lenses and Pinhole Occluder

O Red Maddox with 45° lines and single pinhole occluder. .......................................................... 543500
P Clear Maddox with 45° lines and single pinhole occluder. .......................................................... 623800
Q Green Maddox with 45° lines and single pinhole occluder. ......................................................... 623900

Maddox Lenses

I Red Maddox with 45° lines from center. ............................... 205001
J Green Maddox with 45° lines from center. ......................... 205000
K Clear Maddox with 45° lines from center. ......................... 205002

Multiple Pinhole Spectacle Occluder

Pinhole Spectacle ....................................................... 700010
Spectacle Only .......................................................... 700012

Mirrored Opaque Occluder

Long handle single ended occluder with acrylic mirror. .......................................................... 618700

Frosted Occluder and Maddox

L Red Maddox with 45° and vertical lines from center. .......................................................... 211000
M Red Maddox with 45° lines and red filter. .......................................................... 209000
N Red Maddox with 45° lines and occluder. .......................................................... 207000

Filter Lenses

U Red Filter lens. .......................................................... 206001
V Red Filter lens and opaque occluder. .......................................................... 208000
Examination Tools

Leaf Style Clip-on Occluders
Available in 44 mm, 46 mm, 48 mm or 50 mm in height; Black or Beige color.

<table>
<thead>
<tr>
<th>Set of 6 occluders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige</td>
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<td>481144</td>
</tr>
<tr>
<td>481146</td>
</tr>
<tr>
<td>481148</td>
</tr>
<tr>
<td>481150</td>
</tr>
</tbody>
</table>

Round Style Clip-on Occluders
Available in 44 mm, 46 mm, 48 mm or 50 mm in height; Black or Beige color.

<table>
<thead>
<tr>
<th>Set of 6 occluders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige</td>
</tr>
<tr>
<td>481244</td>
</tr>
<tr>
<td>481246</td>
</tr>
<tr>
<td>481248</td>
</tr>
<tr>
<td>481250</td>
</tr>
</tbody>
</table>

Foam-Edged Clear Moisture Chamber
Foam-Edged Clear Moisture Chamber with clear lens permits post surgical observation of the condition of the eye. Also permits the wearer to see through the patch which makes this item appropriate for Bell's palsy patients and for use as a moisture chamber. For Bell's palsy patients, this patch prevents air flow on the eye. Uses non-latex foam, fits over either eye with wide elastic band ensuring a secure fit.

Available in two sizes; Large chambers are 2.8125" x 1" (7.14 cm x 5 cm) and Small chambers are 2.375" x 1.6875" (6 cm x 4.5 cm).

Large Size: 2.8125" x 1" (7.14 cm x 5 cm)
- Each ............................................ 675801
- Set of 2 ..................................... 675802

Small Size: 2.375" x 1.6875" (6 cm x 4.5 cm)
- Each ............................................ 675901
- Set of 2 ..................................... 675902

Visual Field Fatigue Diffuser
Designed by John Karickhoff, MD, to block vision by diffusion rather than occlusion. The diffusion level was selected to block viewing of the largest targets and fixation spot of all the standard parameters but allows 97% of the light of the bowl to enter the covered eye while keeping air away from the eye. This eliminates the continuous ocular rivalry caused by standard opaque occluders. Clear Visual Field Fatigue Diffuser with white elastic straps to fit all sizes.

Sold in a package of 3, Size: 3" x 2" (75 mm x 50 mm) ............................................ 166000

Foam-Edged Patches
Foam edging ensures comfort and excellent occlusion. Durable; can be used repeatedly with careful cleaning. Adult patches are 2.8125" x 1" (7.2 cm x 5 cm). Children’s patches are 2.375" x 1.6875" (6 cm x 4.5 cm).

White Children’s Eye Patch with Elastic
A .................................................. 487900
- Black Adult Eye Patch with Elastic       B .................................................. 487700
- White Adult Eye Patch with Elastic       C .................................................. 487800

Note: All foam-edged patches contain latex.

Medical Eye Shield
This plastic shield provides temporary protection for the eye. Comes with elastic string in packages of 24 shields. Available in either Adult or Pediatric sizes.

<table>
<thead>
<tr>
<th>Adult Eye Shield – 77 mm x 53 mm</th>
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</thead>
<tbody>
<tr>
<td>Black .......................................... 131000</td>
</tr>
<tr>
<td>Beige ........................................... 133000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pediatric Eye Shield – 63 mm x 44 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black .......................................... 571600</td>
</tr>
<tr>
<td>Beige ........................................... 571700</td>
</tr>
</tbody>
</table>

Moisture Chamber Goggles
Large Dry Eye Moisture Chamber Goggles provide a chamber to ease the pain for dry eye sufferers and those with Bell’s palsy providing protection for both eyes. Dry Eye Moisture Chamber Goggles will protect eyes from air movement, dust, smoke, sprays and other particulates. Also, the Dry Eye Moisture Chamber Goggles retain moisture helping to keep the eye lubricated. Dry Eye Moisture Chamber Goggles come with a comfortable wide elastic to avoid “pinching” and can be worn under glasses.

The durable clear material is made of PETG and is optically "clean". Dry Eye Moisture Chamber Goggles is latex free and can be easily cleaned with a damp cloth.

Large Size: 2.8125" x 1.9375" (7.2 cm x 5 cm).
- Each ................................................. 681700
- Set of 6 .......................................... 681706

Small Size: 2.375" x 1.6875" (6 cm x 4.5 cm).
- Each ................................................. 681800
- Set of 6 .......................................... 681806

FOAM-EDGED CLEAR MOISTURE CHAMBER

ORDER ONLINE OR FIND MORE INFORMATION @ WWW.GOOD-LITE.COM
Fixation Products

Small and Large Fixation Paddles
The small 2" (5 cm) diameter “smiling face” fixation paddle was developed based on studies by Robert Fanz. Features include grating on reverse side for preferential looking, small pictures of a bunny and a giraffe on end of stick for fixation, and marks for measuring pupil size and corneal diameter measurement on the handle.
The medium 5" (13 cm) diameter fixation paddle is for assessing children with severe disabilities to determine the distance at which children respond to a high-contrast face figure.

A Medium Target .......................... 253100
B Small Target .......................... 253000

Blue Hippo Triple Fixation Set
Set of 3 double-sided fixation sticks with 12 colorful images that will not rub off. Images include Birthday Cake, Toucan, Blue Hippo, Sun, Sunflower, Tree, Snowflake, Lion, Present, Maracas, Dog, and Cat. Size: 5.75" x 1.325" (14.6 cm x 3.4 cm).

Mini Spinning Fixation Globes
The Mini-Spinner is only 4" (10 cm) tall with a 1.5" (37 mm) globe where the blue, red and yellow LEDs spin. Light pattern changes as ball spins. The button must be held down for the lights to light and the ball to spin. Runs for a long time on three LR44 hearing aid batteries. Comes 2 to a package and includes instructions for battery replacement.
Note: Colors may vary.

FixiStix™ Wiggle Pictures
Wiggle Pictures are back, but with a brand new style! This classic product features new designs recreated especially for the pediatric market. Set includes 3 plastic spatula sticks with wiggle pictures on the front and back.

Pediatric Fixation Sticks
Pediatric Fixation Sticks provide a series of detailed accommodation stimulation targets for the young patient. The targets are calibrated for near. Included are (as examples) a Clown Face, a Dog, a Beach Ball, etc. Each target is in brilliant color for patient ease.
The set consists of 3 durable plastic sticks with targets on both sides.
Single sticks can be used for performing various tests: unilateral cover/uncover test at near, alternating cover test at near, pursuit testing, near point of convergence (NPC), motilities (ductions and versions), vergence facility at near, fixation stability at near in diagnostic positions of gaze, amplitude of accommodation, and accommodative facility. Dual sticks with different optotypes exposed to the patient can be used for saccade testing.

Face Fixation Sticks
Provides a series of detailed accommodation stimulation targets for the young patient. The set consists of 3 durable plastic sticks with fixation faces smiling on one side and frowning on the other side. Single sticks can be used for performing various tests: unilateral cover/uncover test at near, alternating cover test at near, pursuit testing, near point of convergence (NPC), motilities (ductions and versions), vergence facility at near, fixation stability at near in diagnostic positions of gaze, amplitude of accommodation, and accommodative facility.
**Examination Tools**

**DXDT's Quantitative Retina Test Grid**

This test grid system measures changes in retina health for patients under medication that may affect retina health and individuals who want to get the earliest possible warning if retina issues emerge. Free analysis tools will estimate the rate of improvement or degradation in retina health or to test for the effectiveness of treatment interventions. The system, preloaded on a USB drive, operates on any Microsoft Windows-based personal computer. The system provides grids of selectable sizes and color schemes.

**Amsler Grid Book**

This is an expanded version of our popular Amsler Grid Book and provides 7 Amsler Grids and a score sheet master. In addition to the 4 grids we’ve always included, this expanded booklet adds the White Dots, Parallel Line, and Parallel Line with Central Line Grids. In addition to the Standard Grid, the Red on Black is used to diagnose a color scotoma. The White Dots Grid reveals a scotoma without distortion. The two Parallel Line Grids are used with patients needing a more simplified Amsler Grid and are presented both horizontally and vertically. Each of the small squares on the Grid with Small Squares approximates 0.5 degree and is used for patients with small, central scotomata.

**Damato Campimeter**

This handheld campimeter enables practitioners to assess the central 30-degree visual field when other methods are impractical. It consists of a double-sided card with a test grid on each side. Each test grid displays a central stimulus surrounded by a series of numbered fixation targets. The patient looks at each numbered fixation target in turn, so that the stimulus moves through 30 relevant areas of the visual field. While the patient gazes at a selected target, the examiner dials a disc so that a black-on-white stimulus briefly appears in a central window on the test card. The normal blind spot is used as a control. An occluder for the eye is attached to the side of the test card by a rigid arm to ensure that the patient is at the correct working distance. This test is fully portable and does not require a power supply. The “perimetry by numbers” technique makes the examination relatively easy to learn and administer. Includes recording forms.

**LEA Flicker Wand**

The LEA Flicker Wand is 26.5” (67.3 cm) long with a 20” (50.8 cm) flexible wand with a diode at the end that can be used as either a flickering or non-flickering stimulus at 4, 40, and 400 cd/m². The curved wand is moved from behind the person forward in all 4 quadrants of the visual field to detect losses in the periphery of the visual field.

---

**Amsler Grid Viewer**

Provides an amsler grid in a simple key chain viewer ensuring monocular viewing. Priced low enough to give to patients for home use. Available in assorted colors and color shipped can not be guaranteed. Purchase either individually or in a package of 5 viewers.

- Each ............................... **563300**
- 5-Pack ............................. **563400**

**Inside Viewer**

This is an expanded version of our popular Amsler Grid Book and provides 7 Amsler Grids and a score sheet master. In addition to the 4 grids we’ve always included, this expanded booklet adds the White Dots, Parallel Line, and Parallel Line with Central Line Grids. In addition to the Standard Grid, the Red on Black is used to diagnose a color scotoma. The White Dots Grid reveals a scotoma without distortion. The two Parallel Line Grids are used with patients needing a more simplified Amsler Grid and are presented both horizontally and vertically. Each of the small squares on the Grid with Small Squares approximates 0.5 degree and is used for patients with small, central scotomata.

**The Automated Confrontation Visual Field Tester (ACV)**

The ACV is both cost-effective and easy-to-use where both eyes can be tested in less than a minute. It is also more accurate and sensitive than using finger confrontation methods.

The ACV tester consists of a black unit measuring 12 cm by 17 cm. Four 1.0 mm red LEDs are positioned 11.25 cm apart, which results in an angular separation of 15° when the device is 60 cm from the patient. The tester is powered by 2 standard AA batteries (included).

**LEA Flicker Wand**

The LEA Flicker Wand is 26.5” (67.3 cm) long with a 20” (50.8 cm) flexible wand with a diode at the end that can be used as either a flickering or non-flickering stimulus at 4, 40, and 400 cd/m². The curved wand is moved from behind the person forward in all 4 quadrants of the visual field to detect losses in the periphery of the visual field.

**GOOD-LITE®**

order online or find more information @ **www.good-lite.com**
Optokinetic Drum
Tests for nystagmus when rotated at 8-10 rpm. Drums are available in three sizes: 10", 8" or 4" high by 6" diameter (25.4, 20.32, or 10.16 cm x 15.2 cm). Lightweight drum of professional quality with ball bearings for effortless spin mechanism. Standard black and white striped drum for use 24" to 30" (61 cm to 76 cm) from patient.

10" Drum .................................. 547500
8" Drum .................................. 576300
4" Drum .................................. 616700

Optokinetic Flag
This flag is used to produce optokinetic nystagmus (OKN) physiologic jerk in a patient's eyes. This is elicited when the patient attempts to fixate on moving, alternative, contrasting squares that are moved in the field of vision. Includes instructions. 37.25" (94.62 cm) long.

Red & White with 1.5" segments .. 547400
Black & White with .75" segments .. 623400
Black & White with 1.5" segments .. 607700
Black & White with 3.0" segments .. 623500

Optokinetic Banner
This Optokinetic (OKN) Banner is large enough to fill a patient’s visual field. OKN Banner is used to produce involuntary Optokinetic Nystagmus (OKN) physiologic jerk in a patient's eyes. The Red and White stripes on the OKN side are 1.5" (4 cm) wide. Dowels are sewn into each end to provide vertical stability and ease of use. Measures 27" x 10" (68 cm x 25 cm) high.

Red and White ......................... 588600
Black and White ....................... 607800

Wolff Fixation Wands
Wolff Wands provide specialized fixation targets used in various procedures such as retinoscopy, Cover Test, and Ocular Motility. Various techniques employ the wands to evaluate accommodative lag, anisometropia, near point convergence, tracking, peripheral awareness and saccadic eye movements. The rods are covered in comfortable black plastic coating material for durability.

Acrylic Wolff Wands
Available with either a 1" (25 mm) or 1.5" (38 mm) polished acrylic ball on the end.

Small .................... 657700
Large ................... 657800

Brass Ended Wolff Wand Set
The basic Wolff Wand set contains a 0.5" (13 mm) polished brass ball and a silvery nickel-plated ball on each end of the 10.5" (28 cm) steel rods.

............. 657500

Double-Ended Wolff Wand
Double-Ended Wolff Wand has a 0.5" (13 mm) polished brass ball on one end and a silvery nickel-plated ball on the opposite end of a 10.5" (28 cm) steel rod.

........................ 657600

Wolff Wand Kit With Stand
The Wolff Wand Kit contains a 0.5" (13 mm) polished brass ball, a nickel-plated ball, and both a large and small Acrylic Fixation Wand. The Wolff Wand Stand is also included in this kit. The rods are covered in comfortable black plastic coating material for durability.

Kit with Stand .................. 660700
Stand Only .................. 657900

Wolff Wand Clear Storage Case
Clear Plastic Box (top and bottom) storage case for the 657500 Basic Wolff Wand Set. Wolff Wands are sold separately.

........................ 443200
Examination Tools

**Brock String**
The Brock String is used during treatment of convergence insufficiency and other binocular vision anomalies. Used to develop convergence skills and disrupt suppression of one of the eyes. Available in varying lengths and in quantities of 1 or in a package of 12.

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
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<tbody>
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<tr>
<td>12-Pack</td>
<td>593700</td>
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<tr>
<td>12' Brock String with 5 Beads</td>
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<tr>
<td>12-Pack</td>
<td>593800</td>
</tr>
<tr>
<td>10' Brock String with 3 Beads</td>
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<tr>
<td>12-Pack</td>
<td>593900</td>
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<tr>
<td>6' Brock String with 5 Beads</td>
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</tr>
<tr>
<td>12-Pack</td>
<td>593900</td>
</tr>
</tbody>
</table>

**Visual Edge Slant Board**
Designed to be lightweight, durable, transportable, multifunctional, and affordable. Angle is 22 degrees. A Dry Erase and Magnetic board surface for accomplishing direct “on board” tasks. Paper clip at the top holds work firmly to the board. A removable “book catch” at the bottom allows for ease of reading any book or for unobstructed writing. Folding legs lock into extended position for stability; folds flat for compact storage. Fits into 2-inch wide space. 12” x 18” (30.48 cm x 45.72 cm). Weighs 1.5 lbs. (.68 k).

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>300700</td>
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</table>

**Clear Pupilometer**
Pupil sizes from 1.5 mm to 10 mm in 0.5 mm increments are easily measured. Can be used vertically or horizontally. The reverse side has a mm scale for measurement of PD. Ruler is printed on clear semi-rigid plastic.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>566000</td>
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</table>

**Hertel Exophthalmometer**
This instrument is used for precise exophthalmos measurements (e.g., exophthalmic goiter). The basis of the measurement for exophthalmos determination using the Hertel version is the outer orbital rim (orbital wall) and the apex of the cornea. The integral refraction mirrors with millimeter scales for the left-hand and right-hand measuring halves of the exophthalmometer are calibrated so that the zero mark on the scale will be located in the plane of the resting points of the supports. For exophthalmus measurements the supports are placed against the two temporal orbital walls so that the orbital rim contacts the deepest point of the supports.

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
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</table>

**Marsden Ball**
A basic vision therapy tool no vision therapy practice should be without. A 3" hollow ball made of durable vinyl with applied black letters and numbers on a 10’ cord. Improved Marsden Balls now have a better weight which offers a better swing.

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>108100</td>
</tr>
</tbody>
</table>

**White to White Corneal Measure**
This simple White to White gauge can be used to measure the horizontal cornea diameter for IOL and implantable contact lenses. Gauge provides comparison rules for corneal measurement in 0.5 mm increments from 8.5 mm to 14 mm. Application is similar to Holladay-Godwin Corneal Gauge.

As an option, screw fastener can be removed to use gauges separately. Clean with alcohol. Overall dimensions when closed are 3.5” x 1.4375” (8.9 cm x 3.7 cm).

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>599700</td>
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</tbody>
</table>

**Toucan Fixation PD Rule**
Toucan Fixation and PD Rule with near optotypes, including LEA Symbols, LEA Numbers, and HOTV optotypes for 20/32, 20/63, 20/80, and 20/100. Includes inch/mm rules and diopter scale plus pupilometer in half mm increments. 6" (15.2 mm) long.

<table>
<thead>
<tr>
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<td>497000</td>
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**Brock String**
The Brock String is used during treatment of convergence insufficiency and other binocular vision anomalies. Used to develop convergence skills and disrupt suppression of one of the eyes. Available in varying lengths and in quantities of 1 or in a package of 12.

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>20' Brock String with 3 Beads</td>
<td>603100</td>
</tr>
<tr>
<td>12-Pack</td>
<td>593700</td>
</tr>
<tr>
<td>12' Brock String with 5 Beads</td>
<td>603300</td>
</tr>
<tr>
<td>12-Pack</td>
<td>593800</td>
</tr>
<tr>
<td>10' Brock String with 3 Beads</td>
<td>603200</td>
</tr>
<tr>
<td>12-Pack</td>
<td>593900</td>
</tr>
<tr>
<td>6' Brock String with 5 Beads</td>
<td>603400</td>
</tr>
<tr>
<td>12-Pack</td>
<td>593900</td>
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**Good-Lite®**
order online or find more information @ www.good-lite.com
Hendrickson Lifesaver Card
Base-in Lifesaver vision therapy cards are used with patients who need to increase their ability to diverge without effort. These cards are often sent home with the patient for therapy training. Available in either white or clear/translucent card.
White: 108500 
Clear: 108600

Eccentric Circles
Paired cards are useful in positive and negative fusional range development.

Transparent Target Forms
Bullseye targets based on procedures developed by Lawrence W. MacDonald, OD, and Baxter Swartwout, OD. Each comes in a pack of 8 translucent forms.
Form A is a set of 8 clear bullseye targets measuring 2" x 3.5"
Form B is a set of 8 clear targets with five lines of words appearing above a bullseye, each line decreasing in font size, and two lines of words below the bullseye. Each target measures 3" x 3.5"
Form C is a set of 8 clear targets with three lines of letters below the bullseye. Each target measures 1.5" x 3.5"

Anti-Suppression Goggles
Red/Green Anti-Suppression Goggles are intended to be used with various games and exercises for anti-suppression training. The Red/Green Anti-Suppression Goggles can also be used in exercises for ocular motor difficulties, accommodation development and visual perception.

Anti-Suppression Patches
Red or Green Anti-Suppression Goggles are intended to be used with various games and exercises in anti-suppression training. Sold in a package of two patches.

JLC Funduscopic Grading Card
The Funduscopic Grading Card is used to help grade various funduscopic challenges. The primary tool will assist the provider to better determine C/D ratios for glaucoma patients. The JLC Funduscopic Grading Card can also be used to select proper A/V (artery/vein) and ALR (arteriolar light reflex) ratios. Card is 2-sided styrene approximately 4.25" x 6" (15.5 cm x 10.5 cm).

Alger Brush
Used by ophthalmologists, ED physicians, and optometrists trained and licensed to remove foreign bodies and rust rings from patients’ eyes. The rotary instrument uses a very low torque motor powered by a single AA battery (included) to "brush" rather than drill the rust ring leaving a smooth surface on the cornea or sclera. Brushing promotes faster health time.

Carbide burrs (for corneal rust ring removal) are available in 1 mm or .5 mm diameter (the .5 mm size is most commonly used). The diamond burrs for assistance in pterygectomy come in the following grits and configurations: 2.5 mm round fine grit, 3.5 mm round medium grit, 4.0 mm wheel fine grit and 5.0 mm wheel medium grit.
Small Eye Model
Oversized model is 5 times the size of the human eye and shows inner anatomy including optic nerve, disc, macula, retina, central retinal artery, and vein. Lens and cornea are removable. Size 5” x 3” x 4” (13 cm x 7.5 cm x 10 cm). Information card is 6.5” x 5.25” (16.5 cm x 13 cm).

Cataract Eye Model
Oversized model includes interchangeable lenses that show different types of cataract including subcapsular, capsular, mature, cortical, and nuclear. Card highlights visual effects of cataracts. Size 5” x 3” x 4” (12.7 cm x 7.5 cm x 10 cm).

Lasik Eye Model
The LASIK Eye Model is made of hard, durable plastic and measures 5.75” (14.6 cm) in diameter. It is realistically colored and textured, and is designed primarily for patient education in LASIK surgery.

The realistic “flap” in the front of the model simulates the incision by the surgeon during the LASIK surgery, whereby the flap pivots back and forth.

In addition to reassuring the patient, the model also provides the opportunity to demonstrate the surgical effect on the focal length of the eye, and how acuity is improved through surgery. Quick and easy-to-use, this model will save the doctor’s or technician’s time.

Corneal Eye Model
Includes 5 interchangeable corneas that have the following conditions: Bullous Keratopathy, Fuch’s Endothelial Dystrophy, Keratoconus, Recurrent Corneal Erosion, and normal.

The model is made of hard, durable plastic and measures 3.75” (9.5 cm) inches in diameter. Mounted on a plastic base and the lenses are 2” (5 cm) in diameter. The model is realistically colored and textured and is designed primarily for patient education.

Intraocular Eye Model
The IOL Eye Model demonstrates how vision is regained after cataract removal. Six interchangeable lenses simulate IOL and toric implants of clear posterior capsule, cloudy capsule, and post YAG posterior capsulotomy.

The model also shows a cross section of the eye in 3 layers: the retina, choroid, and sclera with veins and arteries, including central retinal. Measures 3.75” (9.5 cm) in diameter, and is mounted on a white, opaque plastic base. It is realistically colored and textured and the cornea, optic nerve, and insertion of muscle are shown.

Astigmatism Eye Model
This model of the eye is for patient education in astigmatism, myopia, and hyperopia - or refractive error. The Astigmatism/Myopia/Hyperopia Model demonstrates how the focal length of the eye is changed by lens correction for better acuity. The two chords realistically simulate both a myopic or hyperopic foci.

Visit online at www.good-lite.com
to see the complete line of Eye Models available from Good-Lite.
**Slit Lamp and Lenses**

**LEGEND Series Slit Lamp Model YZ-5F1**
Precisely engineered German-imported Schott optics reduce optical distortion, and increase clarity and depth of focus. Single joy-stick design easily controls both horizontal focus and vertical elevation. Tilt mechanism for ease of angled examination. Eyepiece diopter adjustment is 12.5X (-5D ~ +3D). Contains five-step drum magnification at 6X, 10X, 16X, 25X, and 40X with the Sclera vein observable at 40X. Halogen light source for acute illumination. All optical lenses are moisture-proof, mildew-proof, and anti-reflective.  

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**ezView 28D Slit Lamp Lens**
The 25D is ideal for use in patients with smaller palpebral fissures and offers median field of view and magnification.  
Viewing Range: 53°-69°  
Image Mag.: 2.27X  
Laser Spot Mag.: .44X  

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**ezView 78D Slit Lamp Lens**
The ion VI5ion ezView 78D non-contact slit lamp lens is an ideal general diagnostic and treatment lens.  
Viewing Range: 97°  
Image Mag.: .93X  
Laser Spot Mag.: 1.09X  

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**ezView 125 Slit Lamp Lens**
It is an excellent general use slit lamp lens balancing high magnification viewing, wide field of view and superior small pupil capability.  
Viewing Range: 124°  
Image Mag.: .57X  
Laser Spot Mag.: 1.75X  

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**ezView 125 Slit Lamp Lens**

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**OmniView 165 Slit Lamp Lens**
The ONLY ALL GLASS Wide Field Indirect Laser Lens on the market! Ultra-wide 165° field imaging to the ora serrata. The OmniView 165 provides a clear view of the retina from the posterior pole to the periphery without the need of shifting or tilting the lens. Perfect for PRP or any mid-to-wide field applications.  
Viewing Range: 165°  
Image Mag.: 5X  
Laser Spot Mag.: 2.0X  

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**DirectView 3 Mirror Slit Lamp Lens**
ion VI5ion’s 3 mirror glass lenses are of a traditional design, incorporating 3 mirrors angled at 60°, 66° and 78°. Magnification and laser spot factor is an exacting 1.0X. The ALL GLASS contact element eliminates the need for messy fluid interface and features a “flanged” 14.5 mm contact surface that is ideal for laser treatment. No fluid design due to ALL GLASS contacting element - an ion VI5ion exclusive feature!  
Viewing Range: 60°/66°/76°  
Image Mag.: 1.0X  
Laser Spot Mag.: 1.0X  

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***Visit online at www.good-lite.com to see the complete line of ion lenses available for the slit lamp.***
The Original and Still the Best Value in Vision Testing and Screening

Since 1930, Good-Lite™ has been a leading name in the medical supply industry. Good-Lite™ provides eye care professionals, primary care physicians, nurse practitioners, physician assistants, medical practice nurses, medical assistants, school health nurses, and Head Start and early childhood program personnel with the best value and quality in vision testing and screening equipment, eye charts, devices for instrument-based screening, and accessories.