

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 attached cord to maintain the proper testing distance. Includes response key 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).

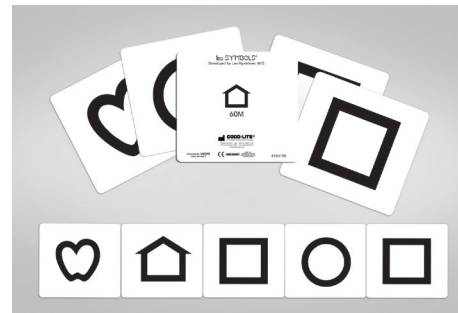
..... 258000



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 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).

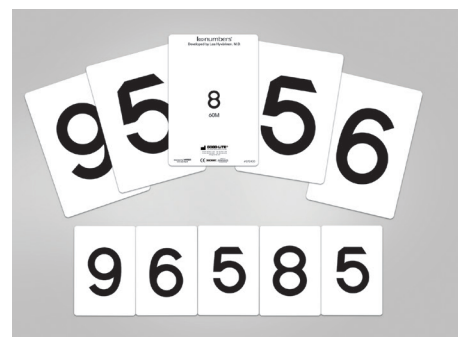
..... 272100



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).

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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).

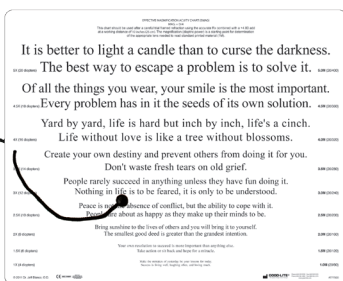
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Low Vision Reading Card

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).

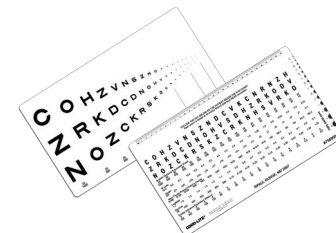
English 777001
 German 777000



Effective Magnification Acuity Chart

The EMAG Chart allows for easy determination of the starting dioptric 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.

..... 777500



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, Jaegar, 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

Low Vision



LEA SYMBOLS® Low Vision Book

LEA SYMBOLS® 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 for near vision at 16" (40 cm). 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 **527400**
Book Only **575500**

Top Bound

Kit **527500**
Book Only **575600**



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.

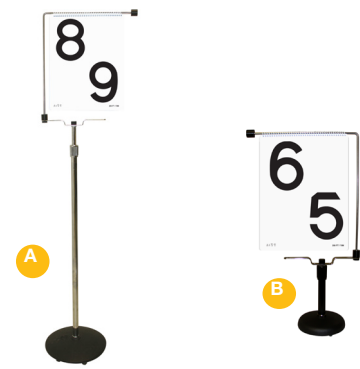
This book comes bound either on the left side or top. Kit includes Butterfly occluder glasses for children and metal frame occluder glasses for adults are included.

Left-Side Bound

Kit **513100**
Book Only **575300**

Top Bound

Kit **527300**
Book Only **575400**



Low Vision Chart Stands

Floor and Table Stands are now available to provide a convenient way to display the LEA Numbers and Symbols Low Vision Charts (bound from the top). No more propping the charts up on a chair! Changing out from Numbers to Symbols is easy and quick.

Floor Stand has 10 in. (27 cm) base and takes top of the chart from 48 to 76 in. (123 to 194 cm).

Table Top Stand has 6 in. (15 cm) base and adjusts the top of the chart from 23 to 26 in. (58 to 66.7 cm).

- A** Floor Stand **607500**
- B** Table Stand **607600**



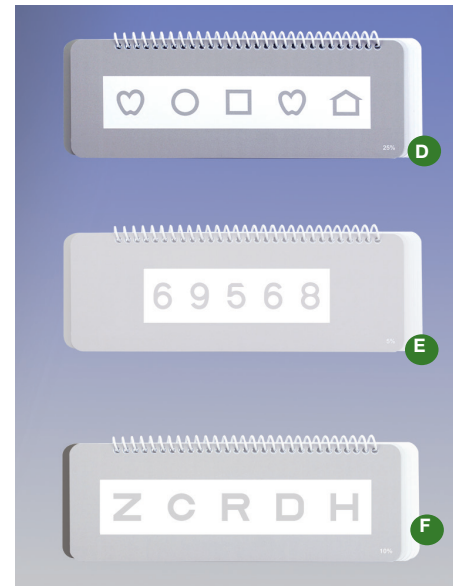
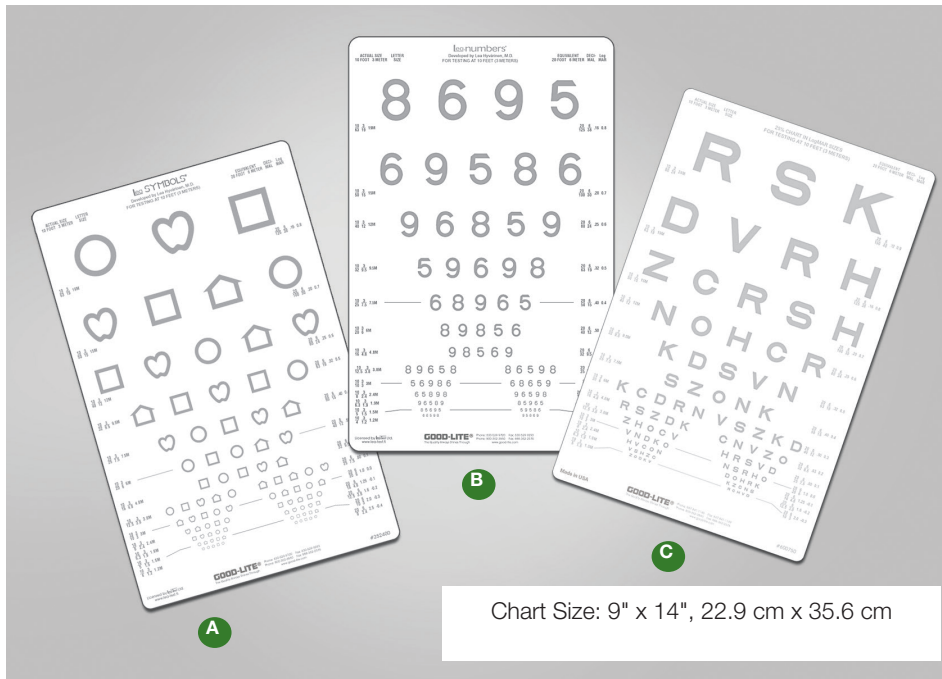
VisualEyes Vision Simulator Glasses

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.

- Combined Loss **200773**
- Central Field Loss **200774**
- Peripheral Field Loss **200775**
- Overall Blur **200776**
- Hemifield Loss **200777**
- Low Contrast **200778**
- Color Deficient **200779**

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. 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. All flip charts include recording forms and instructions. 6 pages, 3.25" x 9" (8.25 cm x 22.9 cm).

D LEA SYMBOLS®

.	251100
Mixed Order	251200

E LEA NUMBERS®

.	270400
Mixed Order	270500

F Sloan Letters

.	736000
Mixed Order	737000



HIDING HEIDI™ Low Contrast Face

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.

Double Sided (Four Cards)	253500
Single Sided (Seven Cards)	253510

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.

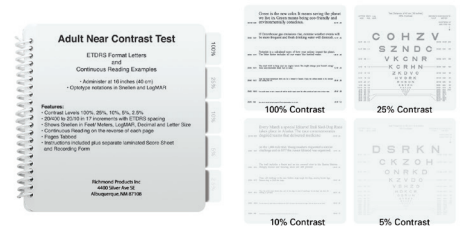
ELCT charts are available as either Chart 1 only or as a set of both Chart 1 and Chart 2. Kit with charts and ESV3000 are also available that include ESV3000 Standardized Cabinet, remote control and floor stand.

ELCT Charts Only

Chart 1 Only	500331
Chart 2 Only	500332
Set with Chart 1 and Chart 2	500330

ESV3000 Kits

Chart 1 Only	500631
Set with Chart 1 and Chart 2	500630

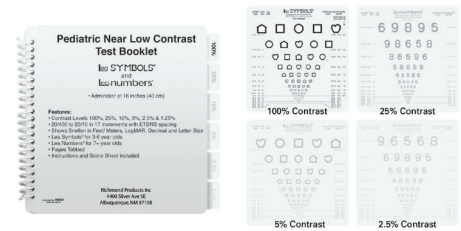


Adult Near Vision Low Contrast Test

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).

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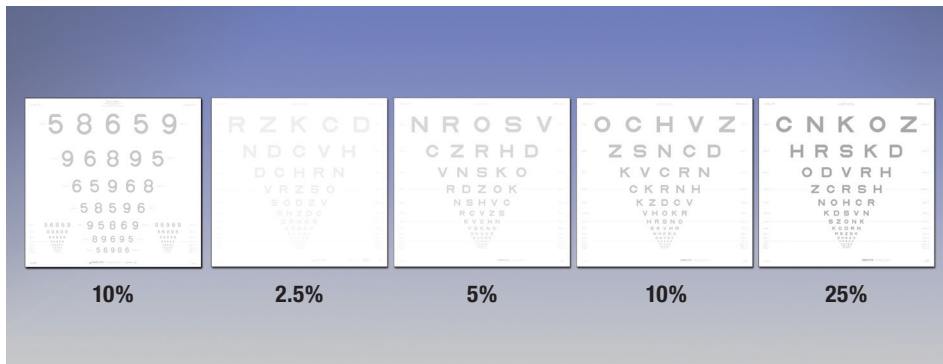


Pediatric Low Contrast Near

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 be 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.

..... **610800**



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

13 feet/4 meters Testing Distance

Sloan Letters Optotype

1.25%	500022
2.5%	500021
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