

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.

..... **ESV1200**

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.

..... **706100**



Hinged Wall Bracket for Professional, ESV1500, ESV1200, ESV1018, Model A+, A, or M Cabinets

Allows cabinet to swing from wall or door jamb.

..... **700009**



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**



ESV1500 Quantum™ Cabinet Calibrated for Research Vision Testing

Similar to the ESV3000 using advanced patented technology, self-calibrating to provided 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**

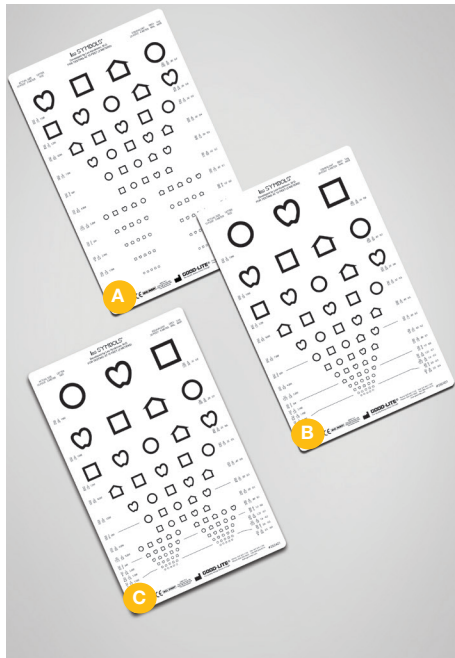
Similar to the ESV3000 found on page 40 but Portable!

Illuminated Cabinets & Charts

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

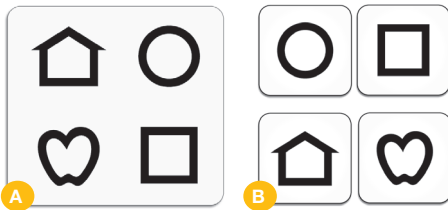


LEA SYMBOLS® Response Key



HOTV Response Key

Replacement Response Key and Flash Cards



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.

..... 251701

B LEA SYMBOLS® Training Cards

Training cards with LEA SYMBOLS®. Printed on one side.

..... 251800

LEA SYMBOLS® & HOTV Combination Response Key

Response key with LEA SYMBOLS® on one side and HOTV on the other. Printed two sides.

(not shown)..... 700030

LEA SYMBOLS® & HOTV Combination Training Cards

Training cards with LEA SYMBOLS® on one side and HOTV on the other. Printed two sides.

(not shown)..... 700031



C HOTV Response Key

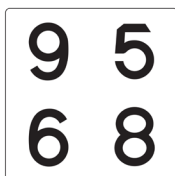
Response Key with HOTV optotypes. Printed on one side.

..... 700523

D HOTV Training Cards

Training cards with HOTV optotypes. Printed on one side.

..... 700515



LEA NUMBERS® Response Key

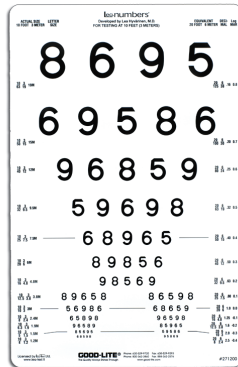
Response Key with LEA NUMBERS® optotypes. Printed on one side.

..... 270030

10 feet/3 meters Distance Acuity Translucent Charts

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

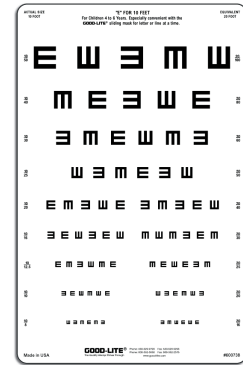
Chart Size: 9" x 14", 22.9 cm x 35.6 cm



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.

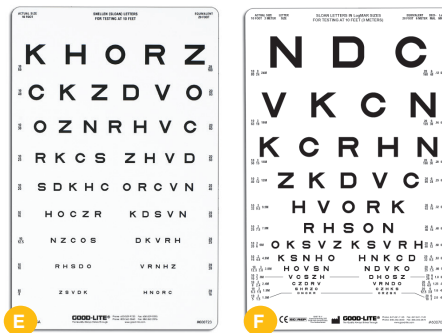
..... 271200



Tumbling E Chart (10 feet/3 meters)

Linear-spaced lines; line sizes range from 20/100 to 20/16 (6/30 to 6/4.8) equivalent, 0.25 to 1.25. Lines are labeled with 10' and 20' notations only.

..... 600738



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.

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

..... 600723

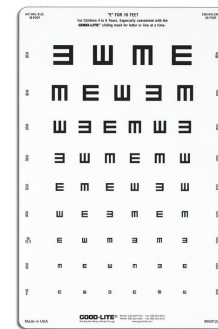
F Sloan Letters Chart (10 feet/3 meters)

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

..... 600705

Sloan Letters Chart with 10' and 20' notations only (not shown).

..... 600711



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 screening.

..... 600722

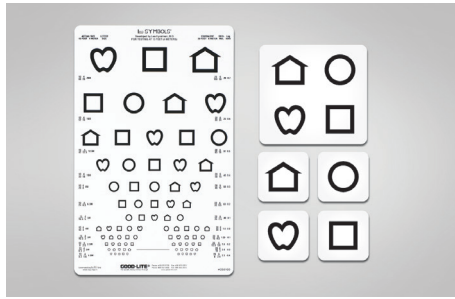


Sloan Letters Response Key

Response Key with Sloan Letters optotypes. Printed on one side.

..... 600790

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 and instructions.

- Set **255100**
- Chart Only **255101**



A 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.

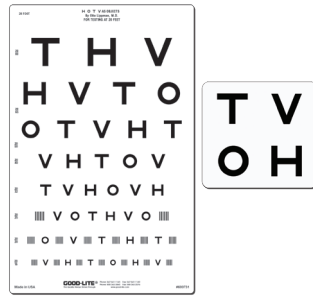
- **271300**

B 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**

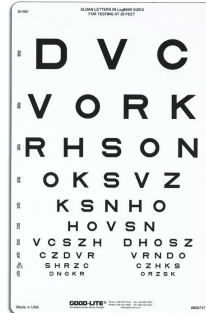
20 feet/6 meters Translucent Distance Charts



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 and instructions.

- Set **600006**
- Chart Only **600731**



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.

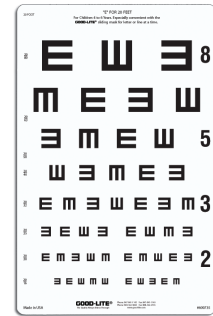
- **600725**



Sloan Letters Chart (20 feet/6 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.

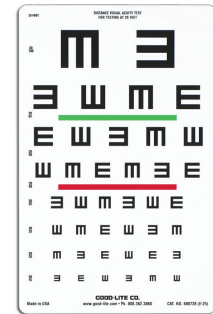
- **600737**



Tumbling E Chart (20 feet/6 meters)

Linear-spaced lines; line sizes range from 20/80 to 20/16 (6/24 to 6.48), 0.25 to 1.25. Lines are labeled with 20' notations only.

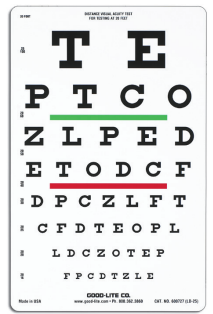
- **600735**



Tumbling E Chart (20 feet/6 meters)

Wide-spaced lines; line sizes range from 20/100 to 20/16 (6/24 to 6/4.8), 0.20 to 1.25. Lines are labeled with 20' notations only.

- **600728**



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.

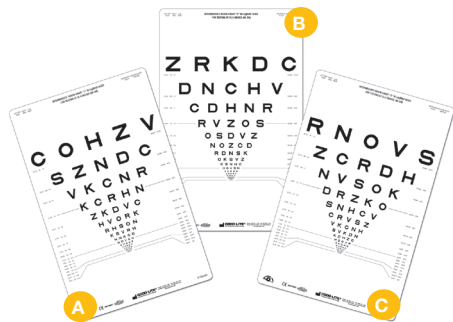
- **600727**

Intermediate Distance Charts

80 cm and 66 cm Sloan Letters Intermediate Distance Charts

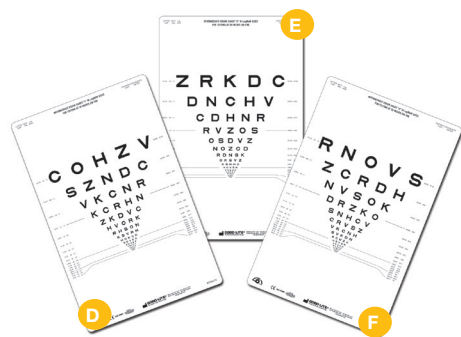
Charts calibrated to test visual acuity at an intermediate distance of 31" (80 cm) or 26" (66 cm). Charts are available in 3 different scrambled versions for repetitive testing situations. Sloan Letters optotype with proportionally spaced lines; line sizes range from 20/400 to 20/10 (6/120 to 6/3) equivalent. 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.

80 cm Intermediate Distance Charts



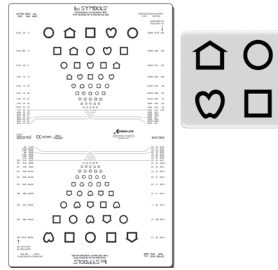
- A 80 cm Chart 1 758400
- B 80 cm Chart 2 758500
- C 80 cm Chart 3 758600

66 cm Intermediate Distance Charts



- D 66 cm Chart 1 758410
- E 66 cm Chart 2 758510
- F 66 cm Chart 3 758610

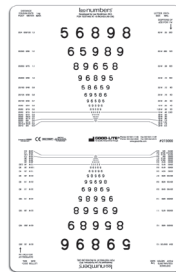
16 inches/40 centimeters Near Vision Charts



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.

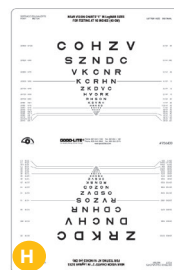
..... 257800



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.

- G 756300
- H 756400

Spanish Near Vision Reading Charts

Spanish Near Vision Reading chart for Illuminated Cabinet

A set of 2 near vision chart with continuous text in Spanish language. Charts fit in either the Model A+ or ES1200 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).



Chart Set 1 756780

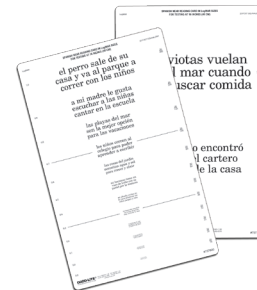


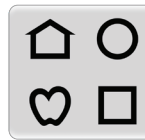
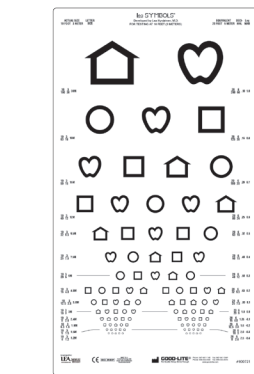
Chart Set 2 756760

ESV1018 Professional Illuminated Cabinet & Charts

10 feet/3 meters ESV1018 Translucent Distance Charts
 Chart Size: 10" x 18", 25.4 cm x 45.7 cm



now using LED



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 and instructions.

- Set 800722
- Chart Only 800721

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.

Rechargeable Battery Pack (Optional)

Rechargeable battery pack for all LED series illuminated cabinets.

..... 914003



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 and instructions.

- Set 800004
- Chart Only 800726



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.

..... 706000

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



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.



**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.

..... 800714

13 feet/4 meters ESV1018 Translucent Distance Charts



**Sloan Letters Translucent Chart
(13 feet/4 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.

..... 800738

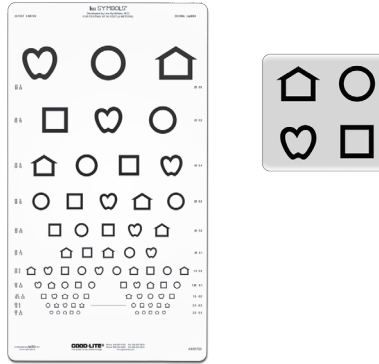


Low Vision Sloan Letters Translucent Chart (20 feet/6 meters)

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

20 feet/6 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 and instructions.

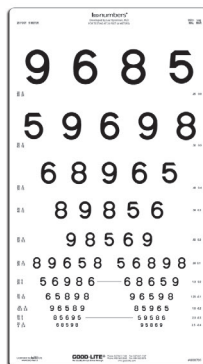
Set 800724
Chart Only 800723



**HOTV Translucent Chart
(20 feet/6 meters)**

Linear-spaced lines; line sizes ranging 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.

..... 800704



**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.

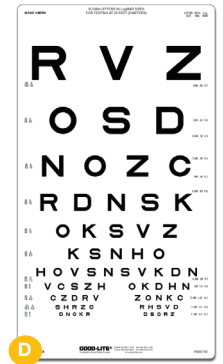
..... 800701



**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.

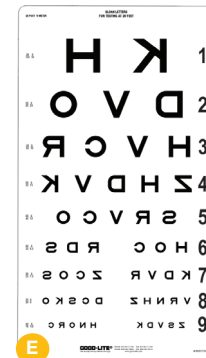
..... 800733



**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.

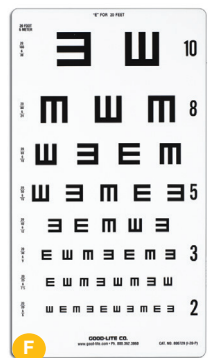
..... 800740



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.

..... 800739



**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.

..... 800729

ETDRS Illuminated Cabinet & Charts



Simplify your ETDRS testing with either the ESV3000 or ESC2000

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.

Compare Cabinets	ESV3000 with Calibrated LED Lights	ESC2000 with LED Lights
Self Calibrate to 85 cd/m ²	✓ Yes	✗ No
Provide Mesopic Testing	✓ Yes	✓ Yes [†]
Provide Uniform Light	✓ Yes	✓ Yes
Ready for Immediate Use	✓ Yes	✓ Yes
Universal Power Supply	✓ Yes	✓ Yes
Custom Light Levels Available	✓ Yes	✓ Yes
Built-in Glare Light Receptacle	✓ Yes	✗ No
Remote Controlled	✓ Yes	✓ Yes

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.*

..... 500600

ESV3000 Kit With "2000" Series 4 Meter ETDRS Charts

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

..... 500601

ESV3000 Kit With "2000" Series 3 Meter ETDRS Charts

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

..... 500602

ESV3000 ETDRS Viewer Individual Items

ESV3000 ETDRS Standardized viewer only.*

.....ESV3000

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.*

..... 500700

ESC2000 Kit With "2000" Series 4 Meter ETDRS Charts

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

..... 500701

ESC2000 Kit With "2000" Series 3 Meter ETDRS Charts

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

..... 500702

ESC2000 ETDRS Viewer Individual Items

ESC2000 ETDRS Standardized viewer only.*

..... ESC2000

[†] 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.

..... 500100



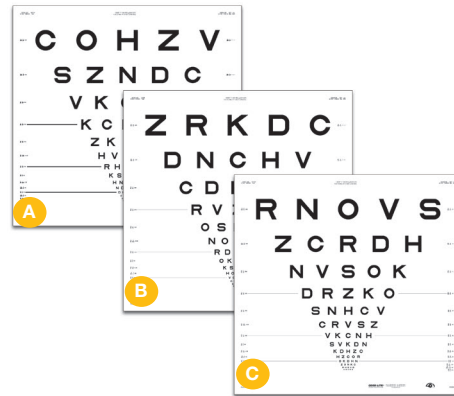
ESV3000 Floor Stand

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).

..... 500004

13 feet/4 meters ETDRS Distance Charts

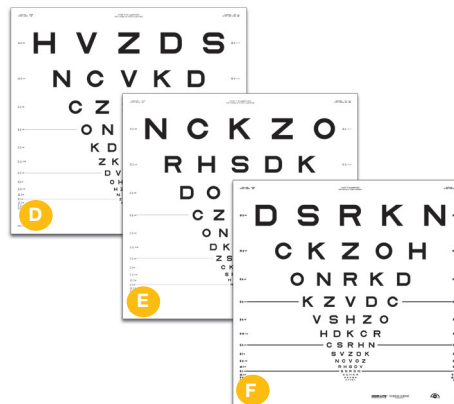
Chart Size: 24.5" x 25.5", 62 cm x 65 cm



"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.

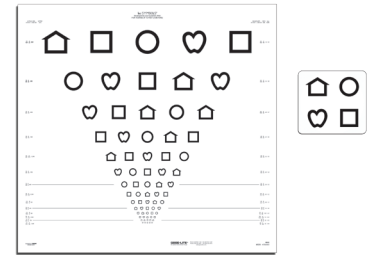
- A** Chart "1" 500016
- B** Chart "2" 500017
- C** Chart "3" 500018



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.

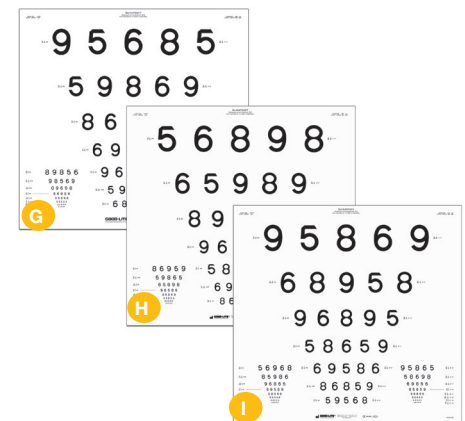
- D** Chart "R" 500013
- E** Chart "1" 500014
- F** Chart "2" 500015



LEA 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 and instructions.

..... 253333



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.

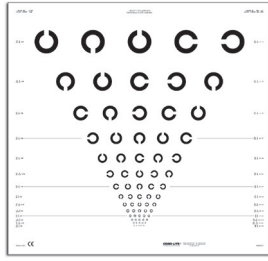
- G** 270200
- H** 270200A
- I** 270200B

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

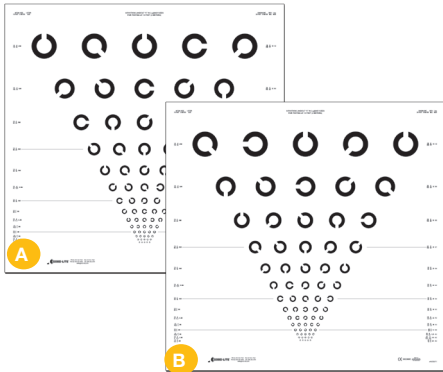
Chart Size: 24.5" x 25.5", 62 cm x 65 cm



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.

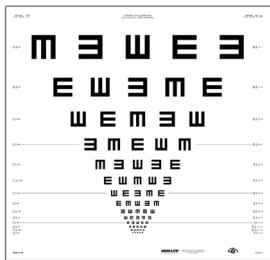
500037



8 Position Landolt C ETDRS Translucent Distance Charts (13 feet/4 meters)

8 Position Landolt C chart with C openings at up, down, left, right and each 45° angle. chart with proportionally spaced (geometric progression) lines; line sizes range from 20/200 to 20/10 (6/60 to 6/3) equivalent. Landolt Tumbling C chart is available in 2 scrambled versions for repetitive vision testing. 20/200 to 20/10 (6/60 to 6/3) equivalent, 0.10 to 2.00.

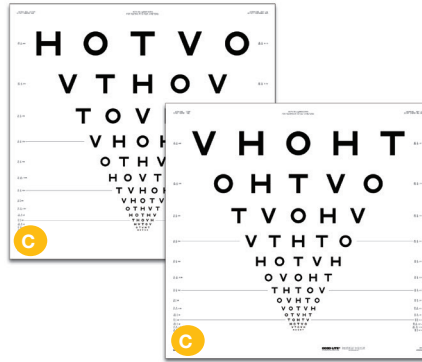
A 500070
B 500071



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.

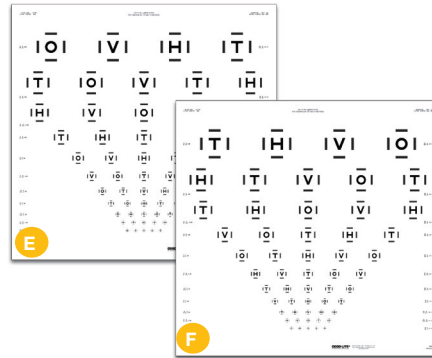
500044



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.

C 500025
D 500034



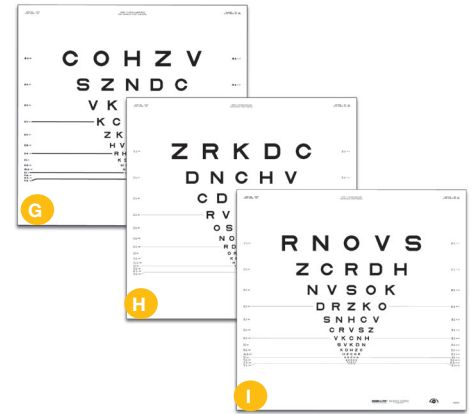
Crowded HOTV ETDRS Translucent Distance Chart (13 feet/4 meters)

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.

E 500035
F 500036

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

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.

G Chart "1" 500010
H Chart "2" 500011
I Chart "3" 500012

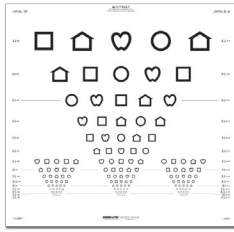


Original Series ETDRS Translucent Distance Charts (10 feet/3 meters)

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.

J Chart "R" 500046
K Chart "1" 500047
L Chart "2" 500048

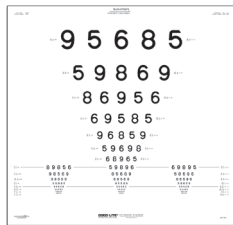
6.5 feet/2 meters ETDRS Distance Charts



LEA SYMBOLS® ETDRS Translucent Distance Chart (10 feet/3 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. Includes response key and instructions. 24.5" x 25.5" (62 cm x 65 cm).

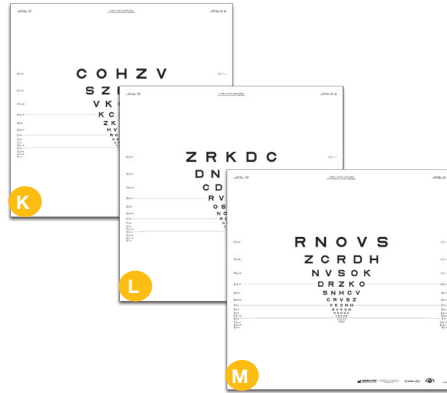
..... 250300



LEA NUMBERS® ETDRS Translucent Distance Chart (10 feet/3 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.

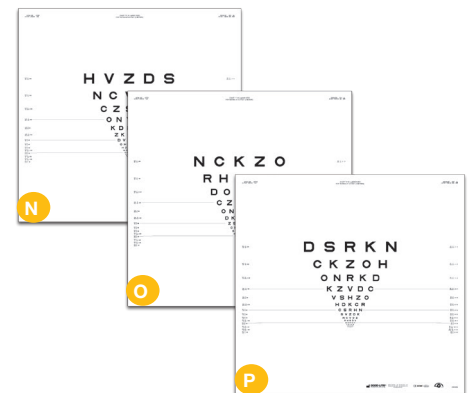
..... 271400



"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

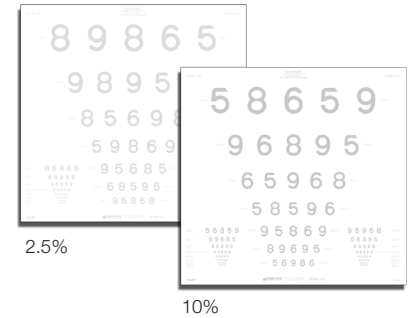
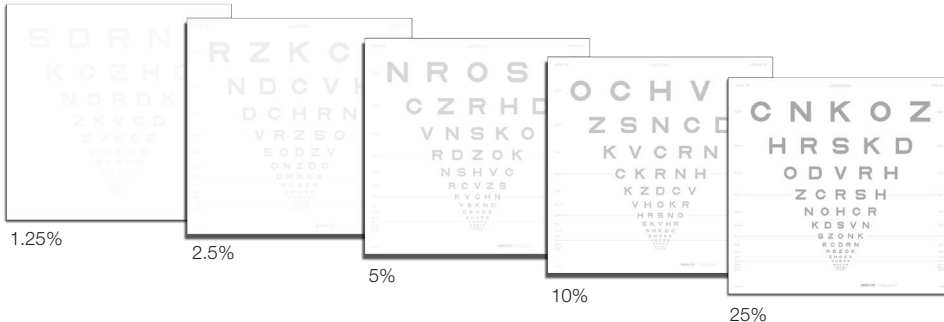


Original Series ETDRS Translucent Distance Charts (6.5 feet/2 meters)

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

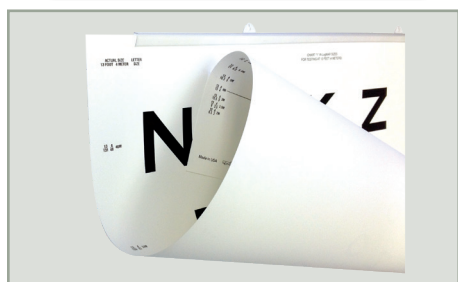
- 1.25% 500024
- 2.5% 500029
- 5% 500028
- 10% 500027
- 25% 500026

13 feet/4 meters Testing Distance LEA NUMBERS® Optotype

- 2.5% 274200
- 10% 274300

Illuminated Cabinets & Charts

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**

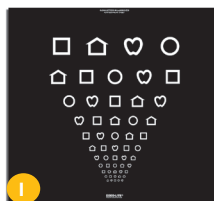
10ft/3m ETDRS Charts

LEA SYMBOLS® ETDRS Chart. **250311**

Super Pinhole Cabinet & Charts



now using LED



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**

Replacement Extension Cord

Replacement extension cord for the Super Pinhole Macula Cabinet. **300320**

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.

. **300300**

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.

. **204006**



Small Pinhole Occluder

Miniature occluder with 17 pinholes. 4" x 1.25

. **120400**



J Short-handled black occluder **120100**

K Short-handled single pinhole occluder **120301**

L Short-handled 48 pinhole occluder **120300**

VectorVision CSV-1000 Contrast Sensitivity



Remote Control



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.

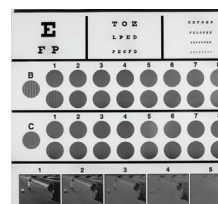
CSV-1000 Contrast Testing System comes with CSV-1000 unit and one contrast testing chart. Floor stand sold separately. **500000**



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

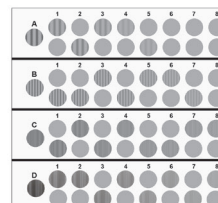
The CSV-1000S test face is widely used for in- or out-of-office screenings and for cataract evaluations.

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**

Illuminated Cabinets & Charts

LED Insta-Line Quantum Cabinet & Charts



Complete LED Insta-Line Quantum™

All LED Insta-Line Quantum cabinets use light emitting diodes (LEDs) to provide uniform illumination for standardized testing. The increased efficiency of the bulbs and the rechargeable battery (included) permit testing in almost any location. Controlled by radio frequency (RF) wireless remote. A power pack is included for recharging and using the unit with or without the battery.

One person can administer a complete series of vision tests in less than 2 minutes. Ideal for ages 3 years through adulthood. Used for testing visual acuity at 10 feet and for assessing muscle imbalance. Includes LEA SYMBOLS® Test Set, LEA NUMBERS®, Tumbling E Chart, Sloan Letters Chart, and HOTV Test Set, occluder, +1.75, +2.25, and +2.50 hyperopia glasses. Completely self-contained and weighs only 10 lbs. Universal power supply. 14.5" H x 9.25" W x 5" D. CSA Listed.

..... 915000

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.

..... 916000

Basic LED Insta-Line Quantum™

Cabinet only, charts not included. Universal power supply. CSA Listed.

..... 914000

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, 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).

..... 904025

LEA SYMBOLS® Chart Only

Includes switch box overlay. 9" x 14" (22.9 cm x 35.6 cm).

..... 904032



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).

..... 904026



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, 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).

..... 904030

HOTV Chart Only

Includes switch box overlay. 9" x 14" (22.9 cm x 35.6 cm).

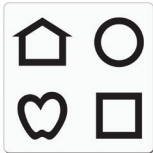
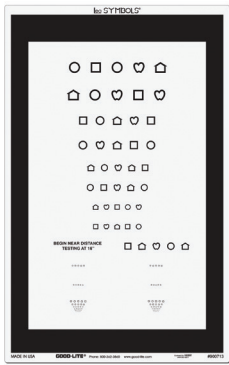
..... 904031



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).

..... 904029



LEA SYMBOLS® Combination Distance and Near Test Set

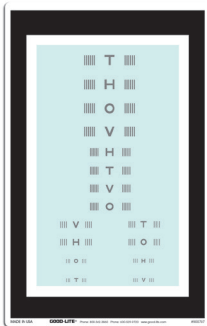
Easily screen both near and distance vision with one chart using the Insta-Line illuminated cabinet.

This pediatric eye chart features LEA SYMBOLS® pediatric symbols with 2 lines of linear-spaced optotypes in the following size equivalents: 20/40, 20/32, 20/25 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 and response key.

..... 904034



Crowded HOTV Test Set

Crowded optotypes in the following size equivalents: 20/50, 20/40, 20/30, and 20/20. Includes chart, response key, 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



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

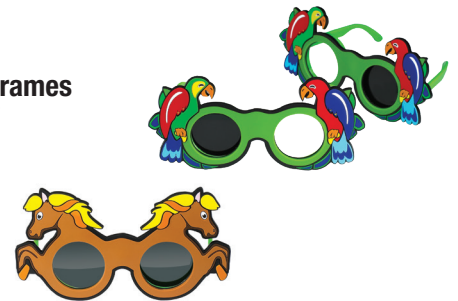


Canvas Carrying Case

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

Children's Vision Screening/Testing Fun Frames



Lens Type	Butterfly	Horse	Parrot	Tiger
Opaque Occluder	460800	460900	461000	461100
Frosted Occluder	460811	460911	461011	461111
Polarized	460400	462000	462100	460700
Anaglyph	461200	461300	461400	461500
+1.50 Hyperopia	516000	525900	525700	528900
+2.00 Hyperopia	491000	491100	491200	491300
+2.50 Hyperopia	500300	500400	500500	500611
+3.00 Hyperopia	514900	515100	515000	515200