

► ENTER CATALOG

TOP SELLERS

Lenses Coatings Frames Contacts

★ Varilux Physio, Comfort & Ellipse 360

VIEW ALL

INFORMATION

[OPTICAL ARTICLES](#)

[RSS FEEDS](#)

[TESTIMONIALS](#)

[OPTICAL NEWS](#)

[NEWSLETTER](#)

E-MAIL

Submit e-mail address to receive free updates and promotions:



HOYA FREE FORM LENSES

Hoya Free Form Lens Technology

Introducing HOYALUX iD Lenses - the one and only progressive lens with Integrated Double-Surface Design. HOYA's patented new HOYALUX iD corrects visual distortions - before the eyes have to!

- HOYALUX iD
- HOYA NULUX
- HOYALUX iD LifeStyle
- HOYALUX iD LifeStyle CD

Download Hoya Free Form Lens Information:

- This Page: [Hoya Free Form Lens](#)
- [Hoyalux ID Sales Aid](#)
- [Hoyalux ID Lifestyle CD Sales Aid](#)
- [Hoya Nulux Lens EP Sales Aid](#)

Once again, HOYA leads the industry with HOYALUX iD — a progressive lens so revolutionary it does what no other progressive lens has ever done before. It virtually eliminates the "swimming" and "swaying" sensations so common with ordinary progressive lenses. For the first time ever, wearers experience wide, disturbance-free vision at all distances.

HERE'S HOW IT WORKS:

Horizontal power changes are positioned on the back surface.

- Wider visual field at all distances, regardless of prescription
- No swimming effect - especially while moving
- Less image deformation to peripheral vision

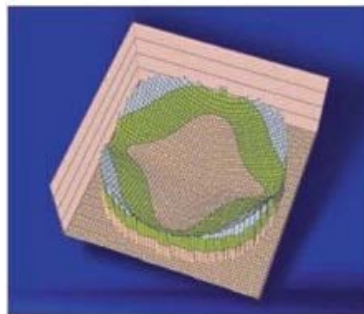
Vertical power changes are positioned on the front surface.

- Short and effective eye rotation
- Fastest compensation for accommodation shortage

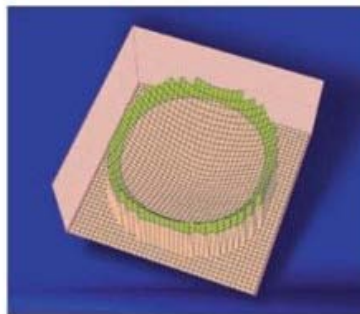
Rapid interaction between far & near.

Front and back surfaces are then balanced and integrated.

- More stable image perception in all distances and directions
- Even distribution of progressive performance
- Reduced number of head movements



Traditional Aspheric Design



Nulux ep Bi-Aspheric Design

Clear vision from edge to edge. Now there's Nulux ep — breakthrough, single-vision technology that takes into account how wearers actually see. The result? Clear vision in all

SEMINAR AT THE CASINO

Night at the Casino

November 4, 2009
Mohegan Sun at Pocono
Downs Casino
1280 Highway 315
Wilkes-Barre, PA 18702

For more information click [Seminar at the Casino](#)

NEW PRODUCTS

Polar365™ is Here!

Luzerne Optical is pleased to offer you the new standard in polarized lenses, **Polar365™**.

Polar365™ isn't just a lens for the beach. It's a lens that provides color enhancement and blocks blinding glare all year round in various conditions. [Read More...](#)

HELLO 3-O'S™

Our Customers,
We have a special place on our website for our Optometrist, Ophthalmologist and Opticians where we will be able to share the things that are dear to our hearts. We will inform you of the launch date.

FREE WEBSITE

Coming Soon:
Luzerne Optical Labs will be offering *Free Websites to all their customers. We will inform you as we get closer to the launch date. You won't be disappointed!

directions, especially along oblique axes.

Lenses are customized through advanced 3D evaluation techniques.

In addition to creating a revolutionary new lens design, HOYA has introduced remarkable new design evaluation technologies.

Skew Deformation Index Mapping quantifies, via computer simulation, the precise extent of visual distortion suffered by wearers of progressive lenses. Another new computer simulation technology called 'Balanced View Control', actually calculates the degree of visual distortion through the progressive lens at various angles.

Through these remarkable 3D evaluation technologies HOYA is able to quantify the experience of progressive wearers during various activities, such as walking down steps and looking in oblique directions. This information allows us to provide wearers with an instantly recognizable feeling of natural vision.

HOYALUX iD Product Specifications

PRESCRIPTION RANGE +8.00D to -13.00D, with up to a -4.00 cylinder
The add power ranges from +0.75 to +3.50D

MATERIAL HOYA PHOENIX
AVAILABILITY EYNOA 1.67
EYRY 1.70

AR COATING

All HOYALUX iD lenses come with a Super HiVision antireflective coating.

HOYALUX iD LifeStyle Product Specifications

Product Specifications	HOYALUX iD LifeStyle 18	HOYALUX ID LifeStyle cd 14
Minimum Fitting Height	mm	mm
Corridor Length	14 mm	11 mm
Minimum "B" Measurement	28 mm	24 mm
Material Availability	- 1.50 CR-39 (Clear and Transitions) <ul style="list-style-type: none">• Polycarbonate• Phoenix (Clear and Transitions)• Eynoa 1.67 (Clear and Transitions)	- 1.50 CR-39 (Clear and Transitions) <ul style="list-style-type: none">• Polycarbonate• Phoenix (Clear and Transitions) - Eynoa 1.67 (Clear and Transitions)
AR Coating Availability	- Super HiVision - HiVision with ViewProtect	-Super HiVision - HiVision with ViewProtect

A broad range of HOYA lens materials Satisfying more patients and lifestyles

HOYA Phoenix: Safe, tough, light and clear, Phoenix offers the perfect combination of benefits for almost any patient with any lifestyle

HILUX 1.50: Standard plastic lenses for moderate prescription

EYNOA 1.67: Thin and lightweight lens material with unsurpassed strength and durability

Poly carbonate: Impact resistant and light

HOYA NULUX

'Prism Range; 5.00 D per eye

EYNOA **1.67**: -15.00 to +10.00 sphere, up to -4.00 cylinder*

EYRY **1.70**: -15.00 to +10.00 sphere, up to -4.00 cylinder*

HOYA **SUPER HiVision**: *All Nulux ep lenses automatically include HOYA SUPER HiVision Anti-Reflection.*

Fitting Guidelines:

1. Adjust frame for appropriate vertex distance and pantoscopic angle
 2. Take a monocular distance P.O. measurement using a pupillometer
 3. Measure the Optical Centre (OC) height from pupil centre to the deepest part of the frame (as if measuring a progressive addition lens)
-