

American Optical Lens Company PAL Summary Table

Note: All Designs employ AO Patented Bipolar Design / Dirichlet smoothing features

<u>Lens</u>	<u>Date Introduced</u>	<u>Mtl's</u>	<u>Diameter / Centration</u>	<u>Description</u>	<u>Benefits</u>	<u>Added Aspherization</u>	<u>Asymmetric Design</u>	<u>Min Rec Fitting Height (mm)</u>	<u>Automatic Prism Thinning from Blocking</u>	<u>Shim Required in processing (Alloy Blocking)</u>
Truvision®	1981	Std Index Plastic, Glass	Plastic 75mm cent. and dec. 5mm, GI 70mm dec. 3	Hard Design, Spherical Distance	Clear Distance Zone	No	No	22	No	No
Truvision OMNI®	1988	Std Index Plastic, Glass, Polycarbonate	Plastic 75mm dec. 5mm, GI 70mm dec. 3	Softest AO Design	Ultimate in soft, smooth Progressive transition zones	No	No	22	Yes	Yes
Truvision Technica®	1990	Std Index Plastic	75mm Decentered 4	Task Specific Computer Lens for Intermediate / Near work	Extremely Wide IP and RP / Processes just like conventional PAL	No	Yes	22	Yes	Yes
AO Pro® 15	1992	Std Index Plastic, Transitions, Glass	75mm Decentered 5mm, 70mm Dec 3 for glass	Soft, Multi- Design	Soft, Ideal balance in smoothness	No	Yes	22	Yes	Yes
AO Pro® 16	1994	Polycarbonate, 1.6 Plastic, 1.6 glass	80mm Centered (78 for HI 16, 70mm dec 3mm for glass)	Soft, Multi- Design	Similar to AO Pro 15, HI and Aphericity for improved Cosmetics	Yes	Yes	22	Yes	Yes
AO Force® 55	1996	High Index '55' Plastic	80mm Centered	Superposition, Mono- Design	Combined Soft and Hard Superposition Design	No	Yes	22	No	No
AO Compact®	1998	Std Index Plastic, Transitions, High Index 55 and 16, Polycarbonate	72mm Centered	Superposition, Multi- Design, Variable Inset	First Lens in the World Specifically designed for small frames	No (Yes for AO Compact 16)	Yes	17	Yes	Yes
AO b' Active™	2000	Std Index Plastic, Nupolar Polarized	75mm Decentered 2.5mm	Superposition, Multi- Design, Variable Inset	Reduced Peripheral Distortion -Large 'Active Viewing Zone'	No	Yes	20	No	No
AO Pro Easy™	2002	Std Index Plastic, Transitions, Polycarbonate, 1.6 and 1.67	75mm Decentered 2.5mm	Superposition, Multi- Design, Variable Inset	General Purpose Progressive	No (Yes for AO Pro Easy 16)	Yes	20	No	No
AO Compact Ultra™	2006	Std Index Plastic, Transitions, Polycarbonate, 1.6 and 1.67	75mm Decentered 2.5mm	Superposition, Multi- Design, Variable Inset	General Purpose Progressive	No (Yes for Compact Ultra 16)	Yes	13	No	No