



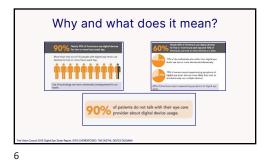
Technology Timeline

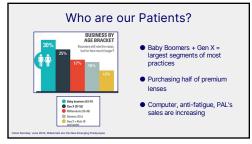
1920's + 1930's - Radio
1940's + 1950's - Television
1950's + 1960's - Color TV



3



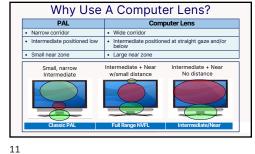


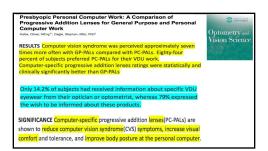




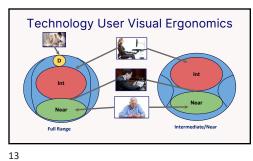






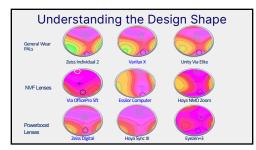


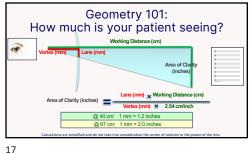
9/8/23







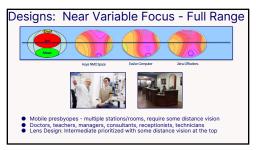




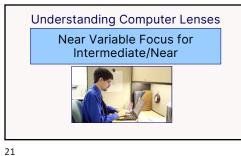
Understanding Computer Lenses Near Variable Focus - Full Range

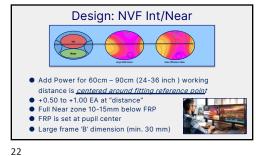
18

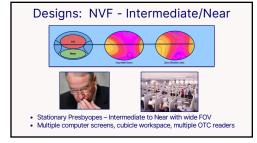
Designs: Near Variable Focus - Full Range Intermediate Add power designed for 60cm – 90cm working distance is at the fitting cross (FC)/fitting reference point (FRP)
 FRP is set at pupil center
 Distance zone is 10-15mm above FRP
 Transition zone length is 20-30mm
 Transition zone length is 20-30mm Full Near zone 10-15mm below FRP • Large frame 'B' dimension (min. 30 mm)

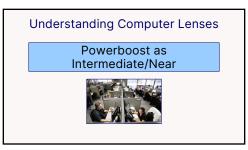


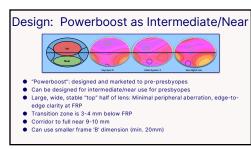
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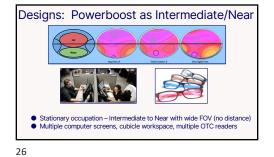








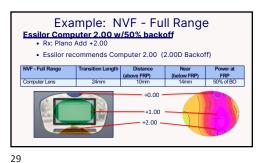


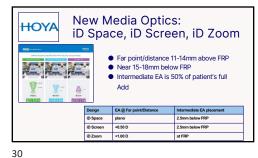


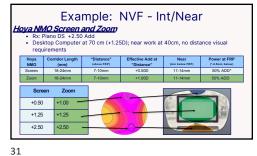
Product Portfolio Summary NVF Lens Desi				
Effective add at F	Effective add at Fitting Reference Point (FRP)			
OfficeLens: Room, Desk, Book	Room +0.50 Desk +0.75 Book +1.25	Room +0.25 Desk +0.50 Book +1.00		
COMPUTERLENS	50% of Back off	0.00 to +0.25 (max back off -2.50)		
HOYA New Media Optics: Space, Screen, Zoom	Space/Screen: 50% add @2.5mm below FRP Zoom:50% of Add	Space +0.00 Screen +0.50 Zoom +1.00		
Workspace/Computer	Workspace: 50% of Add Computer: 50% of Add plus +0.25D	Workspace +0.25 Computer +0.75		
Autograph II Office	50% of Backoff	Add minus Backoff (max -2.25)		
Via OfficePro: 10ft., 5 ft.	range of vision for: 10ft @110cm 5ft @80cm	10ft +0.33 5ft +0.67		

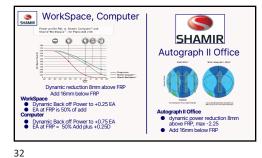


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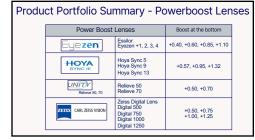








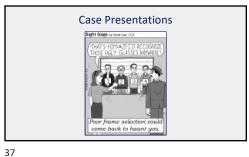


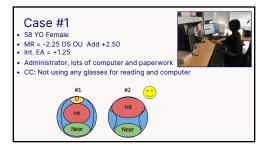


How to Design a Powerboost as Intermediate/Near **EXAMPLE RX** Plano with +2.25, Intermediate effective ADD is +1.25
• Determine the EA at intermediate distance • Select the appropriate Powerboost lens design +1.25 / +1.75 +1.25 / +2.00 +1.25 / +2.25 +1.25 / +2.50 0.50 / 0.75 1.00 / 1.25

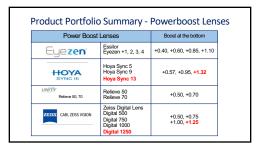
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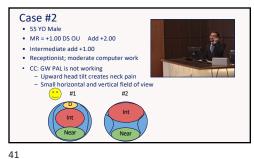
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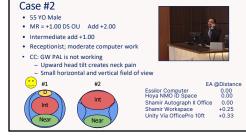


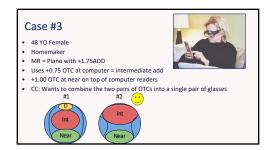
Product Portfolio Summary NVF Lens Designs				
Effective add at Fitting Reference Point (FRP)		Effective add at Top of lens		
OfficeLens: Room, Desk, Book	Room +0.50 Desk +0.75 Book +1.25	Room +0.25 Desk +0.50 Book +1.00		
COMPUTERLING	50% of Back off	0.00 to +0.25 (max back off -2.50)		
HOYA New Media Optics: Space, Screen, Zoom	Space/Screen: 50% add @2.5mm below FRP Zoom:50% of Add	Space +0.00 Screen +0.50 Zoom +1.00		
SHAMIR Warkspace/Computer	Workspace: 50% of Add Computer: 50% of Add plus +0.25D	Workspace +0.25 Computer +0.75		
SHAMIR Autograph II Office	50% of Backoff	Add minus Backoff (max -2.25)		
Via OfficePro: 5ft, 10ft	range of vision for: 5tt @80cm 10ft @110cm	5t +0.67 10t +0.33		

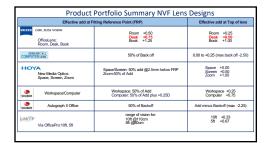


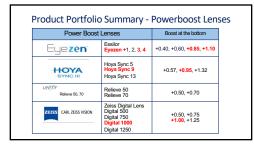


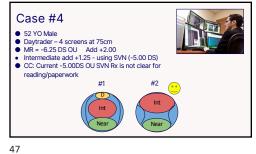
Effective add at Fitting Reference Point (FRP)		Effective add at Top of lens
OfficeLens: Room, Desk, Book	Room +0.50 Desk +0.75 Book +1.25	Roam +0.25 Desk +0.50 Book +1.00
COMPUTERLENS	50% of Back off IN THIS CASE BACK OFF IS 2.00	0.00 to +0.25 (max back off -2.50)
New Media Optics: Space, Screen, Zoom	Space/Screen: 50% add @2.5mm below FRP Zoom:50% of Add	Space +0.00 Screen +0.50 Zoom +1.00
Workspace/Computer	Workspace:50% of Add Computer: 50% of add plus +0.25D	Workspace +0.25 Computer +0.75
Autograph II Office	50% of Back off IN THIS CASE BACK OFF IS -2.00	Add minus Backoff (max -2.25)
UNITY Via OfficePro: 10ft, 5ft	range of vision for: 10ft @110cm 5ft @80cm	10ft +0.33 5ft +0.67

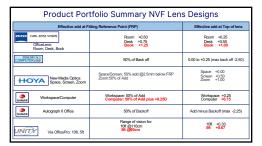


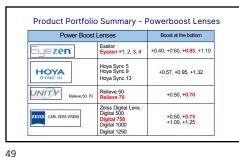


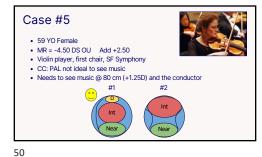












Product Portfolio Summary NVF Lens Designs				
Effective add at Fitting Reference Point (FRP)		Effective add at Top of lens		
OfficeLens: Room, Desk, Book	Room +0.50 Desk +0.75 Book +1.25	Room +0.25 Desk +0.50 Book +1.00		
COMPLITERLEMS	50% of Back off IN THIS CASE BACK OFF IS 2.50	0.00 to +0.25 (max back off -2.50)		
New Media Optics: Space, Screen, Zoom	Space/Screen: 50% add @2.5mm below FRP Zoom:50% of Add	Space +0.00 Screen +0.50 Zoom +1.00		
Warkspace/Computer	Workspace: 50% of Add Computer: 50% of Add plus +0.25D	Workspace +0.25 Computer +0.75		
Autograph II Office	50% of Back off IN THIS CASE BACK OFF IS -2.25	Add minus Backoff (max -2.25)		
Via OfficePro: 10ft, 5ft	range of vision for: 10ft @110cm 5ft @90cm	10ft +0.33 5ft +0.67		

