

Four and Five Zone Lens Designs

Brand name	Lens ϕ	BOZR	RC	1 st AC	2 nd AC	PC	CT
EyeDream	<ul style="list-style-type: none"> Lens designed with the aid of a computer program (EyeDream) based on topographical data Lens can be spherical or toric (toric RC and /or AC) 						
Four zone	10.1, 10.5, 10.9 or 11.3 mm	6.0 mm ϕ	0.6 mm width	1.05 – 1.65 mm wide		0.4 mm wide	
Emerald	<ul style="list-style-type: none"> Lens is designed with the aid of a computer program (Euclid System) based on topographical data Any curve can be adjusted if necessary to achieve the max effect 						
Four zone	10.2, 10.6*, 11.0 mm Custom made: >11.0 mm	6.0 – 8.0 mm ϕ	0.6 – 1.0 mm Wide	Total 1.0 – 1.5 mm wide		0.4 mm wide 11.5 mm radius	0.20 mm
Five zone	>10.6 mm	6.2 mm ϕ	0.6 mm wide	Total 1.2 mm wide		0.4 mm wide	
Paragon CRT	<ul style="list-style-type: none"> Lens selected with the aid of Paragon CRT Lens Selector Slide Rule. The base/treatment curve is based on Px flat K Return Zone constructed as a sigmoid curve. This is used to vary the sag and centration Return Zone Depth (RZD) keeps lens centred and provides a 3.0 to 4.00 mm applanation area Landing Zone Angles (LZA) provides appropriate tear film touch in the periphery of the cornea and adequate EL Changing the ϕ will only affect EL 						
Four zone	10.0, 10.5*, 11.0 mm	BC/TC 6.0 mm ϕ	(Return Zone) 1.0 mm wide with sigmoid curve Approx. 525 – 575 μ m (common RZD)	(Landing Zone) Peripheral curve that meets the corneal surface tangentially		(Edge Lift) Controlled by LZA	0.167 mm
Menicon Z Night	<ul style="list-style-type: none"> Lens is designed with the aid of a computer program (Easyfit) according to topographical data 3 Fenestrations with 0.2 mm, at 120° intervals, between the reverse and alignment zones of the lens Menicon Z Night Toric is a peripheral toric lens with two different tangent angles and lens heights 						
Four zone	10.2, 10.6, 11.0 mm	Determined by Easy fit software based on topographical data	1.2 mm wide on 10.6 mm lens	1.1 mm wide or 10.6 mm lens Peripheral curve that meets the corneal surface tangentially		Tangential periphery	0.24 mm