

RayOne Hydrophobic Aspheric BLF Technical Information



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Model Name	RayOne Hydrophobic Aspheric BLF
Model Number	RAO850B
Power Range	+0.0 D to +7.0 D (1.0 D increments) +8.0 D to +30.0 D (0.5 D increments) +31.0 D to +32.0 D (1.0 D increments)
Delivery System Type	Fully preloaded IOL injection system
Incision Size	2.2 mm

Delivery System	
Injector Type	Single use, fully preloaded IOL injection system
Nozzle Size	1.65 mm
Bevel Angle	45°
Lens Delivery	Single handed plunger

Aspheric Monofocal IOL	
Material	Single piece hydrophobic acrylic with blue light filtering chromophore
Light Transmission	UV absorption 10% cut-off is 385 nm
Water Content	<3%
Refractive Index	1.51
ABBE	43
Overall Diameter	12.5 mm
Optic Diameter	6 mm
Optic Shape	Biconvex (positive powers), Plano
Asphericity	Posterior aspheric surface with aberration-neutral technology
Optic Edge Design	360° enhanced square edge
Haptic Angulation	0°, uniplanar
Haptic Style	Cornerstone lens design with anti-vaulting haptic (AVH) technology

Estimated Constants for Optical Biometry									
	SRK/T	Haigis			HofferQ	Holladay	Holladay II	Barrett Universal II	
	A-constant	a0	a1	a2	pACD	SF	pACD	LF	DF
Hydrophobic Aspheric BLF	118.6	1.17	0.40	0.10	5.32	1.56	5.32	1.67	0

For Contact Ultrasound, the estimated A-constant is 118.0

Please note that the constants indicated for all Rayner lenses are estimates and are for guidance purposes only. Surgeons must always expect to personalise their own constants based on initial patient outcomes, with further personalisation as the number of eyes increases.

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GLOBAL HQ & UK OFFICE
RAYNER INTRAOCULAR LENSES LIMITED
10 Dominion Way
Worthing, West Sussex
BN14 8AQ, United Kingdom

Tel: +44 (0) 1903 258 900
Email: iol_enquiries@rayner.com
Web: rayner.com

UK CUSTOMER SERVICE
Tel: +44 (0) 1903 854 560
Email: orders@rayner.com

GERMANY CUSTOMER SERVICE
Tel: +49 30 6290783 - 0
Email: info.de@rayner.com

ITALY CUSTOMER SERVICE
Tel: +39 029 475 2926
Email: pedidos@rayner.com

SPAIN CUSTOMER SERVICE
Tel: +34 910 480055
Email: pedidos@rayner.com

PORTUGAL CUSTOMER SERVICE
Tel: +351 221 206 400
Email: pedidos@rayner.com