GALAXY

RayOne Galaxy technical specification

Model Name	RayOne Galaxy	RayOne Galaxy Toric
Model Number	RAO605G	RAO615X
Power Range	Sphere +5.0 to +30.0 D (0.5 D increments)	SE: +6.0 to +30.0 D (0.5 D increments) Cyl.: +0.75 D to +4.5 D (0.75 D increments)
Material	Single piece Rayacryl hydrophilic acrylic	
Water content	26% in equilibrium	
UV protection	Benzophenone UV absorbing agent	
UV light transmission	UV 10% cut-off is 380 nm	
Refractive index	1.46	
ABBE	56	
Overall diameter	12.5 mm	
Optic diameter	6.0 mm	
Optic shape	Biconvex	
Asphericity	Aberration-correcting technology	
Optic edge design	Amon-Apple 360° enhanced square edge (posterior)	
Haptic angulation	0°, uniplanar	
Haptic style	Closed loop with Anti-Vaulting Haptic (AVH) technology	

Delivery System	
Injector type	Single use, fully preloaded IOL injection system
Incision size	1.65 mm nozzle for 2.2 mm incision
Bevel angle	45°
Lens delivery	Single handed plunger

Estimated Constants for Optical Biometry									
	SRK/T	Haigis			HofferQ	Holladay I	Holladay II	Barrett	
	A-constant	a0	a1	a2	pACD	SF	pACD	LF	DF
Galaxy & Galaxy Toric	118.6	1.044	0.40	0.10	5.32	1.56	5.32	1.51	3.5
IOLcon.org Optimised Constants for Galaxy and Galaxy Toric	118.42	-0.365	0.379	0.158	5.16	1.42	N/A	1.51	3.5

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.

Not all Rayner products are approved for sale in every country.

©2025 Rayner Group, all rights reserved. Rayner, RayOne and Galaxy are proprietary marks of Rayner. All other trademarks are property of their respective owners. Rayner, 10 Dominion Way, Worthing, West Sussex, BN14 8AQ. Registered in England: 615539. EC 2024-160 03/25

Rayner