

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 | 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 | 1.67 | 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.