

Data sheet

Co-Energy supplies IPL light guides with all surfaces polished by advanced polishing technic. The high surface quality as 20/10, flatness better than $\lambda/10$ is achievable. This special polished products can be made of materials such as BK7, Fused Silica, sapphire and so on.

IPL light guides are the key optical element for IPL (intense Pulsed Light) machine, which filters the UV wave and reserve the useful wave from 400nm to 1200nm for cosmetic laser, such as photorejuvenation, hair removal, vascular and acne treatment. Available wavelength: 515-1200, 530-1200, 550-1200, 560-1200, 570-1200, 590-1200, 615-1200, 645-1200, 695-1200, 755-1200, 780-1200 nm.

Attribute	Specification
Material	BK7, Fused Silica, Sapphire, etc.
Dimension Tolerance (mm)	± 0.05
Surface Quality	40/20
Parallelism	< 1 arc min
Flatness (per 25mm@633nm)	$< \lambda/10$
Bevel (face width x 45)	< 0.25 mm