

Data sheet

IPL light guides and filters 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: 400, 420, 460, 490, 515, 530, 550, 560, 570, 590, 615, 645, 695, 755, 780, 810nm.

COE supplies IPL filters and light guides with all surfaces polished by advanced polishing (CMP). The input and output surfaces' surface quality could be S/D: 20/10, and flatness $\lambda / 10$ available. The typical material for IPL light guides and filters are sapphire, BK7, fused silica, B270 and so on.

Attribute	Specifications
Material	BK7, Fused Silica, sapphire, ect.
Dimension Tolerance (mm)	$\pm 0.05\text{mm}$
Surface Quality	10/5
Parellelism	$< 1\text{arc min}$
Flatness (per25mm@633nm)	$< \lambda / 10$
Bevel (face widthX45)	$< 0.25\text{mm}$