

POLAX Lineup

POLAX-15N

Visible light range

POLAX-15N is the highest extinction ratio polarizer in POLAX series and it is developed for a leak prevention of blue light in visible light.



Optical character	Average Transmittance (400~680nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-15N	15%±2%	10 ⁵	10 ⁵	10 ⁵

POLAX-25N

Visible light range

POLAX-25N is a high performance polarizer in visible light range.



Optical character	Average Transmittance (400~680nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-25N	25%±2%	10 ³	10 ⁴	10 ⁴

POLAX-32N

Visible light range

POLAX-32N is the average polarizing performance which has a best balance with transmission of single polarizer and extinction ratio in visible light range.



Optical character	Average Transmittance (400~680nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-32N	32%±2%	10 ²	10 ³	10 ³

POLAX-38N

Visible light range

POLAX-38N is an excellent color reproduction polarizer as transmitting light uniformly in visible light range.



Optical character	Average Transmittance (400~680nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-38N	38%±2%	10	10 ²	10 ³

POLAX-38S

Visible light range

POLAX-38S meets request of higher transmittance and higher extinction ratio in visible light range.



Optical character	Average Transmittance (λ=530nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-38S	38%±3%	10 ³	10 ⁴	10 ⁴

POLAX-42S

Visible light range

POLAX-42S is over 40% transmittance and higher extinction ratio polarizer in visible light range.



Optical character	Average Transmittance (λ=530nm)	Extinction ratio		
		(460nm)	(530nm)	(630nm)
POLAX-42S	42%±3%	10 ²	10 ⁴	10 ⁴

POLAX-32NIR

Near infrared range

POLAX-32NIR is developed for 780nm~830nm in near infrared range.



Optical character	Average Transmittance (λ=780nm)	Extinction ratio
		(λ=780nm)
POLAX-32NIR	32%±3%	10 ⁴

POLAX-30IR

Infrared range

POLAX-30IR is for infrared range with 900nm~1600nm, it has uniform spectral characteristic.



Optical character	Average Transmittance (900~1600nm)	Extinction ratio		
		(1060nm)	(1300nm)	(1550nm)
POLAX-30IR	30%±3%	10 ³	10 ⁴	10 ³

Customized products

LUCEO realizes customer's requests with considering material, shape, size, thickness and so on besides our standard products. LUCEO's advantage is utilizing resin film, therefore over 30mm diameter products are fabricated. Even in case of changing wavelength range, LUCEO offers products by designing it optically.