

Quarter-wave Plate 48WP-4-L

The quarter-wave plate transforms a linear state of polarization into a circular SOP



FEATURES

The retardation optics type 48WP-4-L are quarter-wave plates (also known as waveplates or retarder plates) that allow the transformation of a linear state of polarization into a circular state of polarization. They have a rotary mount and are designed to be integrated into the [multicube system](#).

- Quartz plate, low-order
- For various wavelengths UV-IR
- Clear aperture 5 mm
- In adjustable mount with self-locking tubular axis (0 - 360°)
- Rotation around axis that is inclined 2° with respect to the optical axis. This avoids interference and back-reflection
- System mount Ø 19.5 mm
- Adjustable using Schäfter+Kirchhoff Polarization Analyzer series [SK010PA](#).

ORDER OPTIONS

Order Code	Series	Retardation	Order	Wavelength	Element	System Mount
48WP-4-CA-389L	48WP	$\lambda/4$	low	389 nm	He	Ø 19.5 mm
48WP-4-CA-397L	48WP	$\lambda/4$	low	397 nm	-	Ø 19.5 mm
48WP-4-CA-399L	48WP	$\lambda/4$	low	399 nm	-	Ø 19.5 mm
48WP-4-CA-401L	48WP	$\lambda/4$	low	401 nm	-	Ø 19.5 mm
48WP-4-CA-405L	48WP	$\lambda/4$	low	405 nm	-	Ø 19.5 mm
48WP-4-CA-421L	48WP	$\lambda/4$	low	421 nm	-	Ø 19.5 mm
48WP-4-CA-442L	48WP	$\lambda/4$	low	442 nm	-	Ø 19.5 mm
48WP-4-CA-461L	48WP	$\lambda/4$	low	461 nm	Sr	Ø 19.5 mm
48WP-4-CA-488L	48WP	$\lambda/4$	low	488 nm	-	Ø 19.5 mm
48WP-4-CA-523L	48WP	$\lambda/4$	low	523 nm	-	Ø 19.5 mm
48WP-4-CA-556L	48WP	$\lambda/4$	low	556 nm	Yb	Ø 19.5 mm
48WP-4-CA-583L	48WP	$\lambda/4$	low	583 nm	Er	Ø 19.5 mm
48WP-4-CA-589L	48WP	$\lambda/4$	low	589 nm	Na	Ø 19.5 mm
48WP-4-CA-626L	48WP	$\lambda/4$	low	626 nm	Dy	Ø 19.5 mm
48WP-4-CA-633L	48WP	$\lambda/4$	low	633 nm	-	Ø 19.5 mm
48WP-4-CA-640L	48WP	$\lambda/4$	low	640 nm	-	Ø 19.5 mm
48WP-4-CA-660L	48WP	$\lambda/4$	low	660 nm	-	Ø 19.5 mm
48WP-4-CA-671L	48WP	$\lambda/4$	low	671 nm	Li	Ø 19.5 mm
48WP-4-CA-689L	48WP	$\lambda/4$	low	689 nm	Sr	Ø 19.5 mm
48WP-4-CA-760L	48WP	$\lambda/4$	low	760 nm	Na	Ø 19.5 mm
48WP-4-CA-767L	48WP	$\lambda/4$	low	767 nm	K	Ø 19.5 mm
48WP-4-CA-780L	48WP	$\lambda/4$	low	780 nm	Rb	Ø 19.5 mm
48WP-4-CA-795L	48WP	$\lambda/4$	low	795 nm	-	Ø 19.5 mm
48WP-4-CA-811L	48WP	$\lambda/4$	low	811 nm	Kr	Ø 19.5 mm
48WP-4-CA-852L	48WP	$\lambda/4$	low	852 nm	Cs	Ø 19.5 mm
48WP-4-CA-1083L	48WP	$\lambda/4$	low	1083 nm	He	Ø 19.5 mm
48WP-4-CA-1550L	48WP	$\lambda/4$	low	1550 nm	-	Ø 19.5 mm

DOWNLOADS



[980210090404.pdf \(Dimensional drawing\).](#)

ACCESSORIES

POLARIZATION ANALYZER SK010PA

Measurement tool for coupling into polarization-
maintaining fiber cables

RELATED PRODUCTS

QUARTER-WAVE PLATE 48WP-4 (ZERO-ORDER)

The quarter-wave plate transforms a linear state of polarization into a circular SOP

FIBER-TO-FIBER- COUPLER WITH ONE INTEGRATED WAVE PLATE

Compact, rugged and highly efficient opto-mechanical unit for interconnecting two fiber cables and adjusting the state of polarization

FIBER-TO-FIBER- COUPLER WITH TWO INTEGRATED WAVE PLATES

Compact, rugged and highly efficient opto-mechanical unit for interconnecting two fiber cables and adjusting the state of polarization

MULTICUBE SYSTEM

Multicube-Components and Systems

RETARDATION OPTICS

Retardation optics for fiber collimators

This is a printout of the page <https://sukhamburg.com/products/fiberoptics/multicube/optics/retardation/quarter/low.html> from 5/3/2024

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