

Quarter-wave plates 5WP-4 (zero-order)

transform linearly polarized radiation into circularly polarized radiation



FEATURES

The retardation optics type 5WP-4 are quarter-wave plates (also known as waveplates or retarder plates) that transform linearly polarized radiation into circularly polarized radiation.

- Attachment optics for fiber collimators type [60FC](#) with outer diameter Ø 12 mm and focal lengths ≤ 20 mm..
- Zero-order quarter-wave optics with an 1.5° inclined mounting in order to avoid direct back-reflections, dichroic optics on request
- For various wavelengths UV-IR
- Free rotation for best adjustment with positional locking using radially arranged screws.
- Optional long-form housing (-L) with system mount Ø 8 mm for adding additional attachment optics
- Adjustable using Schäfter+Kirchhoff Polarization Analyzer series [SK010PA](#).
- For collimating focal lengths $f > 20$ mm Schäfter+Kirchhoff offers fiber collimators of type [60FC-Q](#) with integrated retardation optics.

ORDER OPTIONS

Order Code	Series	Retardation	Order	Wavelength	Element	System Mount	Front Fitting
5WP-4-394Z-S	5WP	$\lambda/4$	zero	394 nm	-	Ø 8 mm	-
5WP-4-635Z-S	5WP	$\lambda/4$	zero	635 nm	-	Ø 8 mm	-
5WP-4-660Z-S	5WP	$\lambda/4$	zero	660 nm	-	Ø 8 mm	-
5WP-4-729Z-S	5WP	$\lambda/4$	zero	729 nm	-	Ø 8 mm	-
5WP-4-773Z-S	5WP	$\lambda/4$	zero	773 nm	K + Rb	Ø 8 mm	-
5WP-4-780Z-S	5WP	$\lambda/4$	zero	780 nm	Rb	Ø 8 mm	-
5WP-4-852Z-S	5WP	$\lambda/4$	zero	852 nm	Cs	Ø 8 mm	-
5WP-4-880Z-S	5WP	$\lambda/4$	zero	880 nm	-	Ø 8 mm	-
5WP-4-905Z-S	5WP	$\lambda/4$	zero	905 nm	-	Ø 8 mm	-
5WP-4-940Z-S	5WP	$\lambda/4$	zero	940 nm	-	Ø 8 mm	-
5WP-4-1064Z-S	5WP	$\lambda/4$	zero	1064 nm	-	Ø 8 mm	-
5WP-4-1300Z-S	5WP	$\lambda/4$	zero	1300 nm	-	Ø 8 mm	-
5WP-4-1550Z-S	5WP	$\lambda/4$	zero	1550 nm	-	Ø 8 mm	-
5WP-4-1565Z-S	5WP	$\lambda/4$	zero	1565 nm	-	Ø 8 mm	-
5WP-4-394Z-L	5WP	$\lambda/4$	zero	394 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-660Z-L	5WP	$\lambda/4$	zero	660 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-729Z-L	5WP	$\lambda/4$	zero	729 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-773Z-L	5WP	$\lambda/4$	zero	773 nm	K + Rb	Ø 8 mm	Ø 8 mm
5WP-4-780Z-L	5WP	$\lambda/4$	zero	780 nm	Rb	Ø 8 mm	Ø 8 mm
5WP-4-852Z-L	5WP	$\lambda/4$	zero	852 nm	Cs	Ø 8 mm	Ø 8 mm
5WP-4-880Z-L	5WP	$\lambda/4$	zero	880 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-905Z-L	5WP	$\lambda/4$	zero	905 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-940Z-L	5WP	$\lambda/4$	zero	940 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-1064Z-L	5WP	$\lambda/4$	zero	1064 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-1300Z-L	5WP	$\lambda/4$	zero	1300 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-1550Z-L	5WP	$\lambda/4$	zero	1550 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-1565Z-L	5WP	$\lambda/4$	zero	1565 nm	-	Ø 8 mm	Ø 8 mm

ACCESSORIES

**POLARIZATION
ANALYZER SK010PA**

Measurement tool for coupling into polarization-
maintaining fiber cables

9D-12

Screwdriver WS 1.2

RELATED PRODUCTS

**FIBER COLLIMATOR
SERIES 60FC**

for collimating radiation exiting an optical fiber or as
an incoupler

**FIBER COLLIMATOR
60FC-Q**

Fiber Collimator for collimating large beam diameters
and with integrated quarter-wave plate

**RETARDATION OPTICS
5WP**

Retardation optics for fiber collimators with Ø 12 mm

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<https://sukhamburg.com/products/fiberoptics/fibercoupler/accessories/attachmentoptics/wp/5wp/quarter/zero.html> from
4/26/2024

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