

Quarter-wave plates 5WP-4 (low-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..
- Low-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-4-389L-S	5WP	$\lambda/4$	low	389 nm	He	Ø 8 mm	-
5WP-4-397L-S	5WP	$\lambda/4$	low	397 nm	-	Ø 8 mm	-
5WP-4-399L-S	5WP	$\lambda/4$	low	399 nm	-	Ø 8 mm	-
5WP-4-401L-S	5WP	$\lambda/4$	low	401 nm	-	Ø 8 mm	-
5WP-4-405L-S	5WP	$\lambda/4$	low	405 nm	-	Ø 8 mm	-
5WP-4-421L-S	5WP	$\lambda/4$	low	421 nm	-	Ø 8 mm	-
5WP-4-442L-S	5WP	$\lambda/4$	low	442 nm	-	Ø 8 mm	-
5WP-4-461L-S	5WP	$\lambda/4$	low	461 nm	Sr	Ø 8 mm	-
5WP-4-488L-S	5WP	$\lambda/4$	low	488 nm	-	Ø 8 mm	-
5WP-4-532L-S	5WP	$\lambda/4$	low	532 nm	-	Ø 8 mm	-
5WP-4-556L-S	5WP	$\lambda/4$	low	556 nm	Yb	Ø 8 mm	-
5WP-4-583L-S	5WP	$\lambda/4$	low	583 nm	Er	Ø 8 mm	-
5WP-4-589L-S	5WP	$\lambda/4$	low	589 nm	Na	Ø 8 mm	-
5WP-4-626L-S	5WP	$\lambda/4$	low	626 nm	-	Ø 8 mm	-
5WP-4-633L-S	5WP	$\lambda/4$	low	633 nm	-	Ø 8 mm	-
5WP-4-640L-S	5WP	$\lambda/4$	low	640 nm	-	Ø 8 mm	-
5WP-4-660L-S	5WP	$\lambda/4$	low	660 nm	-	Ø 8 mm	-
5WP-4-671L-S	5WP	$\lambda/4$	low	671 nm	Li	Ø 8 mm	-
5WP-4-689L-S	5WP	$\lambda/4$	low	689 nm	Sr	Ø 8 mm	-
5WP-4-760L-S	5WP	$\lambda/4$	low	760 nm	Na	Ø 8 mm	-
5WP-4-767L-S	5WP	$\lambda/4$	low	767 nm	K	Ø 8 mm	-
5WP-4-780L-S	5WP	$\lambda/4$	low	780 nm	Rb	Ø 8 mm	-
5WP-4-795L-S	5WP	$\lambda/4$	low	795 nm	Rb	Ø 8 mm	-
5WP-4-811L-S	5WP	$\lambda/4$	low	811 nm	Kr	Ø 8 mm	-
5WP-4-852L-S	5WP	$\lambda/4$	low	852 nm	Cs	Ø 8 mm	-
5WP-4-1083L-S	5WP	$\lambda/4$	low	1083 nm	He	Ø 8 mm	-
5WP-4-1550L-S	5WP	$\lambda/4$	low	1550 nm		Ø 8 mm	-
5WP-4-389L-L	5WP	$\lambda/4$	low	389 nm	He	Ø 8 mm	Ø 8 mm
5WP-4-397L-L	5WP	$\lambda/4$	low	397 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-399L-L	5WP	$\lambda/4$	low	399 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-401L-L	5WP	$\lambda/4$	low	401 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-405L-L	5WP	$\lambda/4$	low	405 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-421L-L	5WP	$\lambda/4$	low	421 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-442L-L	5WP	$\lambda/4$	low	442 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-461L-L	5WP	$\lambda/4$	low	461 nm	Sr	Ø 8 mm	Ø 8 mm
5WP-4-488L-L	5WP	$\lambda/4$	low	488 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-532L-L	5WP	$\lambda/4$	low	532 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-556L-L	5WP	$\lambda/4$	low	556 nm	Yb	Ø 8 mm	Ø 8 mm
5WP-4-583L-L	5WP	$\lambda/4$	low	583 nm	Er	Ø 8 mm	Ø 8 mm
5WP-4-589L-L	5WP	$\lambda/4$	low	589 nm	Na	Ø 8 mm	Ø 8 mm
5WP-4-626L-L	5WP	$\lambda/4$	low	626 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-633L-L	5WP	$\lambda/4$	low	633 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-640L-L	5WP	$\lambda/4$	low	640 nm	-	Ø 8 mm	Ø 8 mm
5WP-4-660L-L	5WP	$\lambda/4$	low	660 nm	-	Ø 8 mm	Ø 8 mm

5WP-4-671L-L	5WP	$\lambda/4$	low	671 nm	Li	Ø 8 mm	Ø 8 mm
5WP-4-689L-L	5WP	$\lambda/4$	low	689 nm	Sr	Ø 8 mm	Ø 8 mm
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5WP-4-767L-L	5WP	$\lambda/4$	low	767 nm	K	Ø 8 mm	Ø 8 mm
5WP-4-780L-L	5WP	$\lambda/4$	low	780 nm	Rb	Ø 8 mm	Ø 8 mm
5WP-4-795L-L	5WP	$\lambda/4$	low	795 nm	Rb	Ø 8 mm	Ø 8 mm
5WP-4-811L-L	5WP	$\lambda/4$	low	811 nm	Kr	Ø 8 mm	Ø 8 mm
5WP-4-852L-L	5WP	$\lambda/4$	low	852 nm	Cs	Ø 8 mm	Ø 8 mm
5WP-4-1083L-L	5WP	$\lambda/4$	low	1083 nm	He	Ø 8 mm	Ø 8 mm
5WP-4-1550L-L	5WP	$\lambda/4$	low	1550 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

Retardation optics for fiber collimators

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<https://sukhamburg.com/products/fiberoptics/fibercoupler/accessories/attachmentoptics/wp/5wp/quarter/low.html> from 4/25/2024

CONTACT

For more information please contact:

Schäfter + Kirchhoff GmbH

Kieler Str. 212

22525 Hamburg

Germany

Tel: +49 40 85 39 97-0

Fax: +49 40 85 39 97-79

info@sukhamburg.de

www.sukhamburg.com

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