

Half-wave plates 5WP-2 (zero-order)

allows polarization rotation of linearly polarized radiation



FEATURES

The retardation optics type 5WP-2 are half-wave plates (also known as waveplates or retarder plates) that allow the polarization rotation of linearly polarized radiation.

- Attachment optics for fiber collimators type [60FC](#) with outer diameter Ø 12 mm and focal lengths ≤ 20 mm.
- Zero-order half-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-2-394Z-S	5WP	$\lambda/2$	zero	394 nm	-	Ø 8 mm
5WP-2-405Z-S	5WP	$\lambda/2$	zero	405 nm	-	Ø 8 mm
5WP-2-461Z-S	5WP	$\lambda/2$	zero	461 nm	Sr	Ø 8 mm
5WP-2-532Z-S	5WP	$\lambda/2$	zero	532 nm	-	Ø 8 mm
5WP-2-556Z-S	5WP	$\lambda/2$	zero	556 nm	Yb	Ø 8 mm
5WP-2-637Z-S	5WP	$\lambda/2$	zero	637 nm	-	Ø 8 mm
5WP-2-671Z-S	5WP	$\lambda/2$	zero	671 nm	Li	Ø 8 mm
5WP-2-729Z-S	5WP	$\lambda/2$	zero	729 nm		Ø 8 mm
5WP-2-773Z-S	5WP	$\lambda/2$	zero	773 nm	K + Rb	Ø 8 mm
5WP-2-780Z-S	5WP	$\lambda/2$	zero	780 nm	Rb	Ø 8 mm
5WP-2-852Z-S	5WP	$\lambda/2$	zero	852 nm	Cs	Ø 8 mm
5WP-2-1064Z-S	5WP	$\lambda/2$	zero	1064 nm	-	Ø 8 mm
5WP-2-1550Z-S	5WP	$\lambda/2$	zero	1550 nm	-	Ø 8 mm
5WP-2-394Z-L	5WP	$\lambda/2$	zero	394 nm	-	Ø 8 mm
5WP-2-405Z-L	5WP	$\lambda/2$	zero	405 nm	-	Ø 8 mm
5WP-2-461Z-L	5WP	$\lambda/2$	zero	461 nm	Sr	Ø 8 mm
5WP-2-532Z-L	5WP	$\lambda/2$	zero	532 nm	-	Ø 8 mm
5WP-2-556Z-L	5WP	$\lambda/2$	zero	556 nm	Yb	Ø 8 mm
5WP-2-626Z-L	5WP	$\lambda/2$	zero	626 nm	Dy	Ø 8 mm
5WP-2-671Z-L	5WP	$\lambda/2$	zero	671 nm	Li	Ø 8 mm
5WP-2-729Z-L	5WP	$\lambda/2$	zero	729 nm		Ø 8 mm
5WP-2-773Z-L	5WP	$\lambda/2$	zero	773 nm	K + Rb	Ø 8 mm
5WP-2-780Z-L	5WP	$\lambda/2$	zero	780 nm	Rb	Ø 8 mm
5WP-2-852Z-L	5WP	$\lambda/2$	zero	852 nm	Cs	Ø 8 mm
5WP-2-1064Z-L	5WP	$\lambda/2$	zero	1064 nm	-	Ø 8 mm
5WP-2-1550Z-L	5WP	$\lambda/2$	zero	1550 nm	-	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/half/zero.html> from
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