

Half-wave plates 5WP-2 (low-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.
- Low-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-2-301L-S	5WP	$\lambda/2$	low	301 nm	-	Ø 8 mm
5WP-2-369L-S	5WP	$\lambda/2$	low	369 nm	-	Ø 8 mm
5WP-2-399L-S	5WP	$\lambda/2$	low	399 nm	-	Ø 8 mm
5WP-2-405L-S	5WP	$\lambda/2$	low	405 nm	-	Ø 8 mm
5WP-2-442L-S	5WP	$\lambda/2$	low	442 nm	-	Ø 8 mm
5WP-2-461L-S	5WP	$\lambda/2$	low	461 nm	Sr	Ø 8 mm
5WP-2-488L-S	5WP	$\lambda/2$	low	488 nm	-	Ø 8 mm
5WP-2-532L-S	5WP	$\lambda/2$	low	532 nm	-	Ø 8 mm
5WP-2-556L-S	5WP	$\lambda/2$	low	556 nm	Yb	Ø 8 mm
5WP-2-589L-S	5WP	$\lambda/2$	low	589 nm	Na	Ø 8 mm
5WP-2-626L-S	5WP	$\lambda/2$	low	626 nm	Dy	Ø 8 mm
5WP-2-671L-S	5WP	$\lambda/2$	low	671 nm	Li	Ø 8 mm
5WP-2-679L-S	5WP	$\lambda/2$	low	679 nm		Ø 8 mm
5WP-2-689L-S	5WP	$\lambda/2$	low	689 nm	Sr	Ø 8 mm
5WP-2-707L-S	5WP	$\lambda/2$	low	707 nm		Ø 8 mm
5WP-2-760L-S	5WP	$\lambda/2$	low	760 nm	Na	Ø 8 mm
5WP-2-767L-S	5WP	$\lambda/2$	low	767 nm	K	Ø 8 mm
5WP-2-780L-S	5WP	$\lambda/2$	low	780 nm	Rb	Ø 8 mm
5WP-2-795L-S	5WP	$\lambda/2$	low	795 nm	-	Ø 8 mm
5WP-2-811L-S	5WP	$\lambda/2$	low	811 nm	Kr	Ø 8 mm
5WP-2-852L-S	5WP	$\lambda/2$	low	852 nm	Cs	Ø 8 mm
5WP-2-1083L-S	5WP	$\lambda/2$	low	1083 nm	He	Ø 8 mm
5WP-2-301L-L	5WP	$\lambda/2$	low	301 nm	-	Ø 8 mm
5WP-2-369L-L	5WP	$\lambda/2$	low	369 nm	-	Ø 8 mm
5WP-2-399L-L	5WP	$\lambda/2$	low	399 nm	-	Ø 8 mm
5WP-2-405L-L	5WP	$\lambda/2$	low	405 nm	-	Ø 8 mm
5WP-2-442L-L	5WP	$\lambda/2$	low	442 nm	-	Ø 8 mm
5WP-2-461L-L	5WP	$\lambda/2$	low	461 nm	Sr	Ø 8 mm
5WP-2-488L-L	5WP	$\lambda/2$	low	488 nm	-	Ø 8 mm
5WP-2-532L-L	5WP	$\lambda/2$	low	532 nm	-	Ø 8 mm
5WP-2-556L-L	5WP	$\lambda/2$	low	556 nm	Yb	Ø 8 mm
5WP-2-589L-L	5WP	$\lambda/2$	low	589 nm	Na	Ø 8 mm
5WP-2-626L-L	5WP	$\lambda/2$	low	626 nm	Dy	Ø 8 mm
5WP-2-671L-L	5WP	$\lambda/2$	low	671 nm	Li	Ø 8 mm
5WP-2-679L-L	5WP	$\lambda/2$	low	679 nm		Ø 8 mm
5WP-2-689L-L	5WP	$\lambda/2$	low	689 nm	Sr	Ø 8 mm
5WP-2-707L-L	5WP	$\lambda/2$	low	707 nm		Ø 8 mm
5WP-2-760L-L	5WP	$\lambda/2$	low	760 nm	Na	Ø 8 mm
5WP-2-767L-L	5WP	$\lambda/2$	low	767 nm	K	Ø 8 mm
5WP-2-780L-L	5WP	$\lambda/2$	low	780 nm	Rb	Ø 8 mm
5WP-2-795L-L	5WP	$\lambda/2$	low	795 nm	-	Ø 8 mm
5WP-2-811L-L	5WP	$\lambda/2$	low	811 nm	Kr	Ø 8 mm
5WP-2-852L-L	5WP	$\lambda/2$	low	852 nm	Cs	Ø 8 mm
5WP-2-1083L-L	5WP	$\lambda/2$	low	1083 nm	He	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

This is a printout of the page

<https://sukhamburg.com/products/fiberoptics/fibercoupler/accessories/attachmentoptics/wp/5wp/half/low.html> from 4/24/2024

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