

## Quarter-wave plate, low-order 5WP-4-461L-S

transform linearly polarized radiation with 461 nm into circularly polarized radiation



### FEATURES

The retardation optics of type 5WP-4-461L-S is a quarter-wave plate that transforms linearly polarized radiation with 461 nm into circularly polarized radiation.

- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Low-order quarter-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 461 nm
- Free rotation for best adjustment with positional locking using radially arranged screws.
- Short version
- Adjustable using Schäfter+Kirchhoff Polarization Analyzer series [SK010PA](#).
- For collimating focal lengths  $f > 25$  mm  
Schäfter+Kirchhoff offers fiber collimators of type [60FC-Q](#) with integrated retardation optics.

## TECHNICAL DATA

Quarter-wave plate, low-order 5WP-4-461L-S

Order Code	5WP-4-461L-S
Center wavelength	461 nm
Retardation	$\lambda/4$
Order	low-order
AR coating	yes
Material	Quartz
Clear aperture	5 mm
Inclined mounting of retardation optics	1.5°

System mount	Ø 8 mm
Front fitting	-
Housing material	Nickel silver
Weight	5 g
Dimensions (for a complete dimensional drawing please refer to the downloads section)	



## DOWNLOADS



[921120280500.pdf \(Dimensional drawing\)](#)

## ACCESSORIES

**POLARIZATION ANALYZER SK010PA** Measurement tool for coupling into polarization-maintaining fiber cables

**9D-12** Screwdriver WS 1.2

## RELATED PRODUCTS

**QUARTER-WAVE PLATES 5WP-4 (LOW-ORDER)** transform linearly polarized radiation into circularly polarized radiation

**QUARTER-WAVE PLATES 5WP-4 (ZERO-ORDER)** transform linearly polarized radiation into circularly polarized radiation

**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

This is a printout of the page <https://sukhamburg.com/products/details/5WP-4-461L-S> from 5/4/2024

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