

Quarter-wave plate, low-order 5WP-4-421L-S

transform linearly polarized radiation with 405 nm into circularly polarized radiation



FEATURES

The retardation optics of type 5WP-4-421L-S is a quarter-wave plate that transforms linearly polarized radiation with 421 nm into circularly polarized radiation.

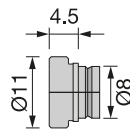
- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Low-order quarter-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 421 nm
- Free rotation for best adjustment with positional 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-4-421L-S

Order Code	5WP-4-421L-S
Center wavelength	421 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-4-421L-S> from 5/10/2024

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

LEGAL NOTICE

Copyright 2020 Schäfter+Kirchhoff GmbH. All rights reserved.

Text, image, graphic, sound, video and animation files and their arrangement on Schäfter+Kirchhoff GmbH webpages are protected by copyright and other protective laws. The content may not be copied for commercial use or reproduced, modified or used on other websites. [\[more\]](#)