

Quarter-wave plate, zero-order 5WP-4-635Z-S

transform linearly polarized radiation with 635 nm into circularly polarized radiation



FEATURES

The retardation optics of type 5WP-4-635Z-S is a quarter-wave plate that transforms linearly polarized radiation with 635 nm into circularly polarized radiation.

- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Zero-order quarter-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 635 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.

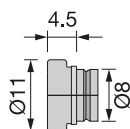
TECHNICAL DATA

Quarter-wave plate, zero-order 5WP-4-635Z-S

Order Code	5WP-4-635Z-S
Center wavelength	635 nm
Retardation	$\lambda/4$
Order	zero-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

HALF-WAVE PLATES 5WP-2 (LOW-ORDER)

allows polarization rotation of linearly 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-4-635Z-S> from 5/2/2024

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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