

## Quarter-wave plate, zero-order 5WP-4-394Z-S

transform linearly polarized radiation with 394 nm into circularly polarized radiation



### FEATURES

The retardation optics of type 5WP-4-394Z-S is a quarter-wave plate that transforms linearly polarized radiation with 394 nm into circularly polarized radiation.

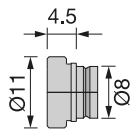
- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Zero-order quarter-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 394 nm
- Free rotation for best adjustment with positional 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-4-394Z-S

|   |              |
|---|--------------|
| Order Code                              | 5WP-4-394Z-S |
| Center wavelength                       | 394 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-4-394Z-S> from 5/5/2024

## 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](mailto:info@sukhamburg.de)

[www.sukhamburg.com](http://www.sukhamburg.com)

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