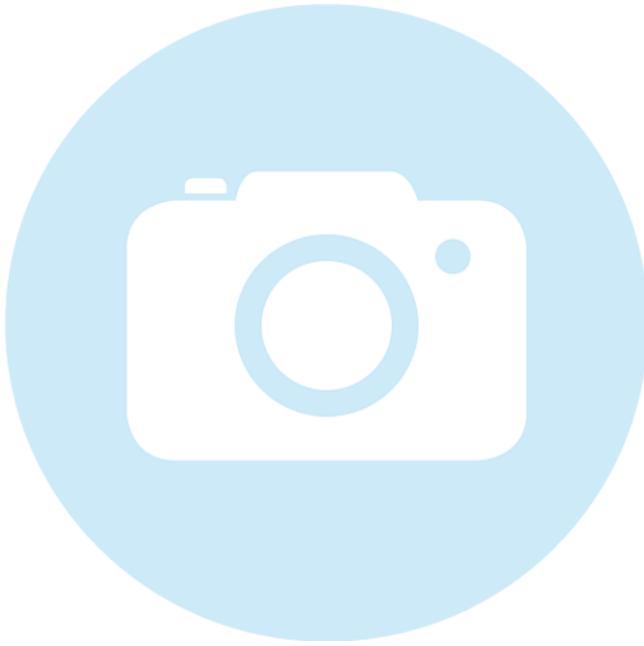


## Quarter-wave Plate 13WP-4 (zero-order)

transform linearly polarized radiation into circularly polarized radiation



### FEATURES

The retardation optics type 13WP-4 are quarter-wave plates (also known as waveplates or retarder plates) that transform linearly polarized radiation into circularly polarized radiation.

- Attachment optics for fiber collimators type [60FC-L](#) and [60FC-T](#) with outer diameter Ø 25 mm and syetem mount Ø 19.5 mm.
- Zero-order quarter-wave optics with an 0.5° inclined mounting in oder 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 19.5 mm for adding additional attachment optics
- 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.

## ORDER OPTIONS

Order Code	Series	Retardation	Order	Wavelength	Element	System Mount	Front Fitting
13WP-4-635Z-S	13WP	$\lambda/4$	zero	635 nm	-	Ø 19.5 mm	-
13WP-4-660Z-S	13WP	$\lambda/4$	zero	660 nm	-	Ø 19.5 mm	-
<a href="#">13WP-4-635Z-L</a>	13WP	$\lambda/4$	zero	635 nm	-	Ø 19.5 mm	Ø 19.5 mm
13WP-4-660Z-L	13WP	$\lambda/4$	zero	660 nm	-	Ø 19.5 mm	Ø 19.5 mm

## ACCESSORIES

**POLARIZATION  
ANALYZER SK010PA**

Measurement tool for coupling into polarization-  
maintaining fiber cables

**50HD-15**

Hex key WS 1.5

## RELATED PRODUCTS

**FIBER COLLIMATOR  
SERIES 60FC-L**

for collimating large beam diameters

**FIBER COLLIMATOR  
SERIES 60FC-T**

for collimating large beam diameters and with  
additional TILT adjustment

**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/fiberoptics/fibercoupler/accessories/attachmentoptics/wp/13wp/quarter/zero.html>  
from 1/21/2022

## 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. [\[more\]](#)