

Quarter-wave plate, low-order 5WP-4-1083L-L

transform linearly polarized radiation with 1083 nm into circularly polarized radiation



FEATURES

The retardation optics of type 5WP-4-1083L-L is a quarter-wave plate that transforms linearly polarized radiation with 1083 nm into circularly polarized radiation.

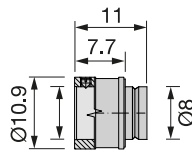
- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Low-order quarter-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 1083 nm
- Free rotation for best adjustment with positional locking using radially arranged screws.
- Long-form housing with system mount Ø 8 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.

TECHNICAL DATA

Quarter-wave plate, low-order 5WP-4-1083L-L

Order Code	5WP-4-1083L-S
Center wavelength	1083 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	System mount Ø 8 mm
Housing material	Black anodized aluminum
Weight	5 g
Dimensions (for a complete dimensional drawing please refer to the downloads section)	



DOWNLOADS



[921120280600.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-4-1083L-L> from 5/7/2024

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