

Half-wave plate, low-order 5WP-2-589L-L

allows polarization rotation of linearly polarized radiation of 405 nm



FEATURES

The retardation optics of type 5WP-2-589L-L is a half-wave plate that allows the polarization rotation of linearly polarized radiation of 405 nm.

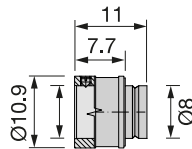
- Attachment optics with system mount Ø 8 mm for fiber collimators type [60FC](#) with outer diameter Ø 12 mm
- Low-order half-wave retardation optics with an 1.5° inclined mounting in order to avoid direct back-reflections
- Center wavelength: 589 nm
- Free rotation for best adjustment with positional 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

Half-wave plate, low-order 5WP-2-589L-L

| | |
|---|--------------|
| Order Code | 5WP-2-589L-L |
| Center wavelength | 589 nm |
| Retardation | $\lambda/2$ |
| 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

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-2-589L-L> from 5/3/2024

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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