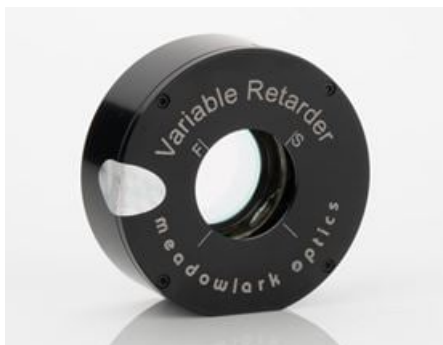


[All Products](#) / [Optics](#) / [Polarization Optics](#) / [Retarders \(Waveplates\)](#) / [Liquid Crystal Polarization/Retarder Optics](#)

Meadowlark Optics Liquid Crystal Variable Retarders



- Enable Precision Electrical Control of Polarization
- Multiple Options for UV to NIR wavelengths
- Compatible with [Meadowlark Optics Liquid Crystal Controllers](#)

Common Specifications

Optical Properties

Coating:	AR-Coat	Substrate:	Optical Quality synthetic fused silica
Reflection (%):	$\leq 0.5\%$ per surface at 0° deg AOI	Surface Quality:	40-20
Beam Deviation (arcmin):	≤ 2	Transmitted Wavefront Distortion (RMS):	$\leq \lambda/4$ @ 632.8nm
Damage Threshold, Reference:	500 W/cm ² , CW 300 mJ/cm ² , 10 ns, visible	Retardance Range:	$\sim 30\text{nm}$ to $\lambda/2$

Threading & Mounting

Mount:	Anodized Aluminium
---------------	--------------------

Material Properties

Retarder Material:	Nematic Liquid Crystal
---------------------------	------------------------

Environmental & Durability Factors

Operating Temperature (°C):	0 to 50
------------------------------------	---------

Technical Information

Products

Dia. (mm)	Thickness (mm)	Wavelength Range (nm)	CA (mm)	Stock Number	Price	Buy
25.40	31.24	350 - 450	9.4	#72-835	S\$2,597.00	1 In Stock
25.40	31.24	450 - 700	9.4	#72-836	S\$1,722.00	2 In Stock
25.40	31.24	650 - 950	9.4	#72-837	S\$1,722.00	3 In Stock
25.40	31.24	900 - 1250	9.4	#72-838	S\$1,722.00	1 In Stock
25.40	31.24	1200 - 1700	9.4	#72-839	S\$1,722.00	2 In Stock
50.80	19.05	450 - 700	17.8	#72-840	S\$2,058.00	1 In Stock
50.80	19.05	650 - 950	17.8	#72-841	S\$2,058.00	1 In Stock
50.80	19.05	900 - 1250	17.8	#72-842	S\$2,058.00	1 In Stock
50.80	19.05	1200 - 1700	17.8	#72-843	S\$2,058.00	1 In Stock



Copyright 2024, Edmund Optics Singapore Pte. Ltd, 18 Woodlands Loop #04-00, Singapore 738100

[PRIVACY POLICY](#) [COOKIE POLICY](#) [TERMS & CONDITIONS](#)

Phone: 1-800-363-1992 :

www.edmundoptics.com