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# SCHOTT AS 87 ECO Ultra-Thin Windows

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- High Level of Flexibility
- Ultra-Thin Thickness for Low Profile Designs
- Excellent Transmission from 250nm to >3μm

## Common Specifications

### Physical & Mechanical Properties

<b>Bevel:</b>	Protective as needed	<b>Clear Aperture (%):</b>	90
<b>Thickness (mm):</b>	0.10 ±0.01	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>	500
<b>Poisson's Ratio:</b>	0.216	<b>Young's Modulus (GPa):</b>	73.3

### Optical Properties

<b>Abbe Number (v<sub>d</sub>):</b>	59.5	<b>Coating:</b>	Uncoated
<b>Index of Refraction (n<sub>d</sub>):</b>	1.504	<b>Substrate:</b>	<a href="#">AS 87 ECO</a>
<b>Surface Quality:</b>	80-50	<b>Wavelength Range (nm):</b>	200 - 3200

### Material Properties

<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>	8.7	<b>Density (g/cm<sup>3</sup>):</b>	2.46
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## Technical Information

## Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
-	5.00 x 5.00	0.10	Uncoated	<a href="#">#20-199</a>	€28,00 Qty 11+ €22,25	In Stock
-	10.00 x 10.00	0.10	Uncoated	<a href="#">#12-292</a>	€31,25 Qty 11+ €25,00	In Stock
-	10.00 x 20.00	0.10	Uncoated	<a href="#">#12-293</a>	€31,25 Qty 11+ €25,00	3-4 days
-	10.00 x 30.00	0.10	Uncoated	<a href="#">#12-294</a>	€31,25 Qty 11+ €25,00	3-4 days
-	10.00 x 50.00	0.10	Uncoated	<a href="#">#12-295</a>	€37,50 Qty 11+ €30,00	3-4 days
-	10.00 x 100.00	0.10	Uncoated	<a href="#">#12-296</a>	€37,50 Qty 11+ €30,00	3-4 days

[#12-297 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

-	12.70 x 12.70	0.10	Uncoated		€33,00 Qty 11+ €27,50	3-4 days
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### [#12-298 Clearance](#)



#### Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

-	12.70 x 25.40	0.10	Uncoated	€33,00 Qty 11+ €27,50	3-4 days
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### [#12-311 Clearance](#)



#### Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

-	12.70 x 63.50	0.10	Uncoated	€38,00 Qty 11+ €31,75	3-4 days
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-	20.00 x 20.00	0.10	Uncoated	<a href="#">#20-200</a> €33,25 Qty 11+ €26,50	3-4 days
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-	25.40 x 25.40	0.10	Uncoated	<a href="#">#12-313</a> €37,50 Qty 11+ €30,00	3-4 days
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-	25.40 x 50.80	0.10	Uncoated	<a href="#">#12-314</a>	€37,50 Qty 11+ €30,00	3-4 days
-	25.40 x 76.20	0.10	Uncoated	<a href="#">#12-315</a>	€37,50 Qty 11+ €30,00	3-4 days
-	25.40 x 127.00	0.10	Uncoated	<a href="#">#12-316</a>	€44,75 Qty 11+ €36,00	In Stock

#### [#12-317 Clearance](#)



#### Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

-	30.00 x 30.00	0.10	Uncoated	<a href="#">#20-201</a>	€36,50 Qty 11+ €29,00	3-4 days
-	40.00 x 40.00	0.10	Uncoated	<a href="#">#20-202</a>	€36,50 Qty 11+ €29,00	3-4 days
-	50.00 x 50.00	0.10	Uncoated	<a href="#">#20-203</a>	€39,50 Qty 11+ €31,75	In Stock
-	50.80 x 76.20	0.10	Uncoated	<a href="#">#20-204</a>	€44,75 Qty 11+ €36,00	3-4 days
-	50.80 x 127.00	0.10	Uncoated	<a href="#">#20-205</a>	€50,00 Qty 11+ €40,00	3-4 days
-	50.80 x 254.00	0.10	Uncoated	<a href="#">#20-206</a>	€56,00 Qty 11+ €45,00	Contact Us
5.00	-	0.10	Uncoated	<a href="#">#20-207</a>	€28,00 Qty 11+ €22,25	3-4 days
10.00	-	0.10	Uncoated	<a href="#">#20-208</a>	€31,25 Qty 11+ €25,00	3-4 days

12.50	-	0.10	Uncoated	<a href="#">#20-209</a>	€31,25 Qty 11+ €25,00	3-4 days
15.00	-	0.10	Uncoated	<a href="#">#20-210</a>	€31,25 Qty 11+ €25,00	3-4 days
20.00	-	0.10	Uncoated	<a href="#">#20-211</a>	€33,25 Qty 11+ €26,50	3-4 days
25.00	-	0.10	Uncoated	<a href="#">#20-212</a>	€33,25 Qty 11+ €26,50	3-4 days
30.00	-	0.10	Uncoated	<a href="#">#20-213</a>	€36,50 Qty 11+ €29,00	3-4 days
40.00	-	0.10	Uncoated	<a href="#">#20-214</a>	€36,50 Qty 11+ €29,00	3-4 days
50.00	-	0.10	Uncoated	<a href="#">#20-215</a>	€39,50 Qty 11+ €31,75	3-4 days



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