



LumaChrome

Colour-shifting film for product authentication



LumaChrome offers easy, intuitive authentication through a crisp colour transition when the viewing angle is changed. It is simple to explain and easy to recognize at considerable distance, multiple angles and variable lighting conditions. Address consumer counterfeit concerns and drive product authentication with LumaChrome.

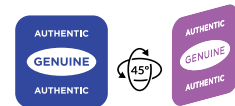
TILT TO AUTHENTICATE



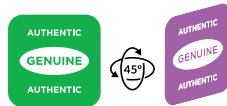
Violet to Amber



Violet to Lime



Navy to Violet



Lime to Violet



Lime to Navy



Amber to Lime



DURABLE

Virtually no degradation over the lifetime of the substrate with easy conversion into multiple application formats.



PROVEN

LumaChrome security foil has been used in 30 banknote denominations and multiple secure ID applications in over ten countries.



EASY TO USE

Quick, intuitive authentication through a colour shift from one colour to another.



SECURE

Striking colour transitions that are extremely difficult to simulate, requiring sophisticated production equipment and specialized knowledge in thin-film optics.

VISUAL DESIGN FEATURES:

Colour Switch	✓
Ink-free High Saturation	✓
Overprinting	✓

SECURITY OPTIONS:

QR Codes	✓
Serialization	✓
Tamper Evident	✓

APPLICATION FORMAT:

Small-format PSA Labels/Stickers	6mm (h/w) to 72mm (h/w)
Shape	Flexible
Thickness	12/19/24 microns
Tamper Evident Authentication Markers	Various patterns available

USAGE:

Product Authentication - visual and covert product authentication for security labels, tapes, and seals

Consumer Goods Packaging - labeling for rigid product packaging in both retail and grocery settings