De La Rue is a leading provider of sophisticated products and services that keep nations, their economies and their populations secure. At the forefront of identity management and security, De La Rue is a trusted partner of governments, central banks and commercial organisations around the globe.

De La Rue is listed on the London Stock Exchange (LON: DLAR).

If you would like to find out more, please email identity@uk.delarue.com or visit www.delarue.com
Gemini™ Security Level
Level 2
How does it work
Gemini™ is created by litho printing two separate ultra-violet (UV) fluorescent inks, carefully colour matched and reproduced in extreme close register to appear as a single colour.

Additional Information
Gemini™ design variants now also include Blocks, Lines and Microtext executions making it even harder to reproduce using common counterfeiting techniques.

Usage
Passports, visa’s, certificates, banknotes and other security documents.

Classifications
Print feature
Security benefits and threats countered
Gemini™ enhances the overall security of the token by increasing the complexity of design and any attempted reproduction or counterfeit of the feature. It is quick to authenticate by trained users and border control inspectors when viewed under a UV light source.

Highly suitable for use across a variety of identity documents and especially effective when used in conjunction with other features on the bio-data page, observation page and / or end pages of a passport as these are the areas that are typically under the greatest threat of attack.

Demonstrated by
When viewed in normal day light, the printed design feature appears as a single colour, but when held under a UV light source, the print will fluoresce in two striking and different colours. Easy to identify and adds interest to inspection.

A wide range of visual and UV fluorescent colour combinations are available enabling the feature to be used both technically and aesthetically, fully integrating it as part of the overall final design.

Visuals
Gemini™ is available in a wide range of visible and UV florescent colour combinations as illustrated below;

<table>
<thead>
<tr>
<th>Visible Colour</th>
<th>Fluorescent Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purple</td>
<td>Red + Green</td>
</tr>
<tr>
<td>Pink</td>
<td>Orange + Green</td>
</tr>
<tr>
<td>Orange</td>
<td>Red + Green</td>
</tr>
<tr>
<td>Blue</td>
<td>Yellow + Green</td>
</tr>
<tr>
<td>Grey</td>
<td>Yellow + Green</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visible Colour</th>
<th>Fluorescent Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Red + Green</td>
</tr>
<tr>
<td>Brown</td>
<td>Orange + Green</td>
</tr>
<tr>
<td>Red</td>
<td>Orange + Yellow</td>
</tr>
<tr>
<td>Light green</td>
<td>Red + Yellow</td>
</tr>
<tr>
<td>Dark green</td>
<td>Red + Yellow</td>
</tr>
</tbody>
</table>

Note: The colours shown here are representative only and may differ in tone from those in printed security documents.

Gemini™ and new design variants

Under UV light source

Normal day light

New design variants under UV light source

Gemini™ Blocks

Gemini™ Lines

Gemini™ Microtext
Gemini™

A specialist printed security feature that appears as a single colour under normal daylight but transforms into two separate fluorescent colours when under UV light.

**Classification**
Print feature

**Security Level**
Level 2

**How does it work**
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**Security benefits and threats countered**
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**Usage**
Passports, visa’s, certificates, banknotes and other security documents.

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**Visuals**

Gemini™ is available in a wide range of visible and UV florescent colour combinations as illustrated below;

**Visible Colour**
- Purple
- Pink
- Orange
- Blue
- Grey

**Fluorescent Colours**
- Red + Green
- Orange + Green
- Red + Green
- Yellow + Green
- Yellow + Green

**Note:** The colours shown here are representative only and may differ in tone from those in printed security documents.

**Gemini™ and new design variants**

![Gemini Blocks](image)
![Gemini Lines](image)
![Gemini Microtext](image)
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