Doculus Lumus®
8v0 Fraud Detection Devices

Doculus Lumus 8v0 Fraud Detection Devices User Guide

Contents

Doculus Lumus®

Doculus Lumus 8v0 Fraud Detection Device

Product Specifications

- **UV Light:** 365 nm
- **IR Laser:** 980 nm
- **UVB/C Light:** 254 nm
- **LEDs:** 4 for UV*, 8 for Oblique Light, 4 for UVB/C, additional LEDs for other functions
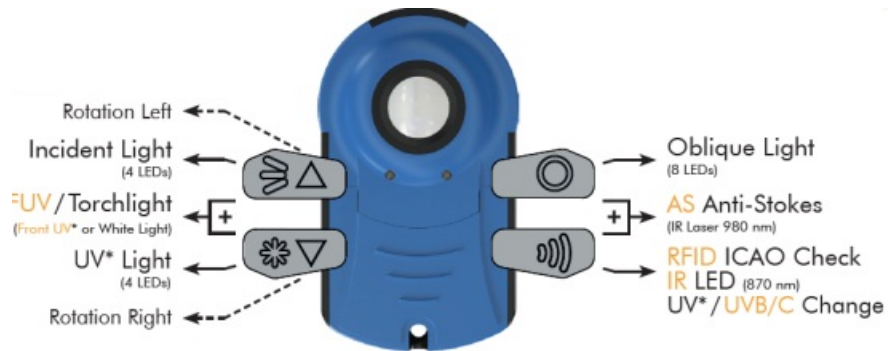- **Battery:** Lithium-Ion, Additional battery option available

Product Usage Instructions

- **Incident Light:**

  Rotate left to activate the Incident Light with 4 LEDs. Can be set to manual or automatic rotation.
- **UV* / Torchlight:**

  Front UV* or White Light option available. Press the button to toggle between the two modes.
- **UV* Light:**

  Activate the UV* Light with 4 LEDs. Optionally, keep the button pressed for continuous operation.
- **Oblique Light:**

  Rotate right to activate the Oblique Light with 8 LEDs. Can be set to manual or automatic rotation.
- **AS (Anti-Stokes):**

  Uses an IR Laser at 980 nm. Suitable for specific applications, such as RFID ICAO Check.
- **RFID ICAO Check:**

  Utilizes an IR LED at 870 nm. It can be used for checking RFID chips and UVB/C features.
- **Torch (White Light):**

  Provides steady white light or see-through light for documentation purposes.
- **FUV Front UV Torch:**

  Front UV Torch at 365 nm wavelength for specialized applications.
- **IR Infrared LED:**

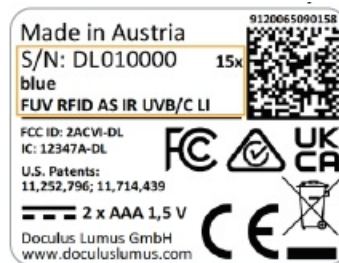 Activate the Infrared LED at 870 nm for specific tasks.

- **Search Function:**

  Search for transponders of ICAO Type A (ISO 14443), Type B (ISO 14443), and other standard RFID chips.

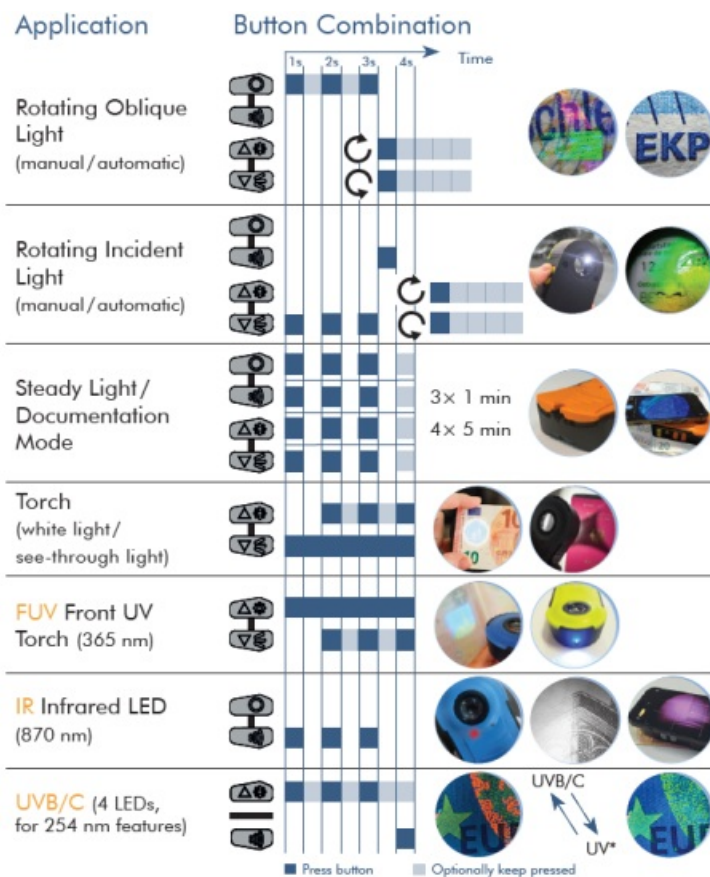## Indicator

LI Additional Lithium-Ion Battery

Device Options

UV Light: 365 nm

SCAN QR CODE

Version 8v0+ EN

Application

Application — Button Combination

Application	Button Combination (Time: 1s, 2s, 3s, 4s)
Rotating Oblique Light (manual / automatic)	
Rotating Incident Light (manual / automatic)	
Steady Light / Documentation Mode	3× 1 min, 4× 5 min
Torch (white light / see-through light)	
FUV Front UV Torch (365 nm)	
IR Infrared LED (870 nm)	
UVB/C (4 LEDs, for 254 nm features)	UVB/C ↕ UV*

■ Press button   ▢ Optionally keep pressed

	LED Pattern	Explanation
	● ● ●	Low battery / Empty rechargeable battery
	▬▬▬	IR LED / AS IR Laser is active
RFID ICAO Check — Search for Transponder	● ● ● ● ●	Red LED blinks fast
ICAO Type A (ISO 14443)	●	Green LED blinks once recurring
ICAO Type B (ISO 14443)	● ●	Green LED blinks twice recurring
Type A (ISO 14443)	● ●	Red and green LED blink once recurring
Type B (ISO 14443)	● ● ● ●	Red and green LED blink twice recurring
Standard RFID Chip	● ↔ ●	Red and green LED blink alternating

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Frequently Asked Questions

- **Q: How do I switch between UV* and White Light modes?**

  A: Press the button to toggle between Front UV* and White Light modes.

- **Q: What is the purpose of the AS (Anti-Stokes) feature?**

  A: The AS feature utilizes an IR Laser at 980 nm for specific applications, such as RFID ICAO checks.

- **Q: How can I check RFID chips using the device?**

  A: Utilize the RFID ICAO Check function with the IR LD at 870 nm to check RFID chips and UVB/C features.

Documents / Resources

[Doculus Lumus 8v0 Fraud Detection Devices](#) [pdf] User Guide
8v0, 8v0 Fraud Detection Devices, 8v0, Fraud Detection Devices, Detection Devices, Devices

References

- [**User Manual**](#)