



UV-LED Flashlight
Portable UV Lamp for Mobile Usage

KARL DEUTSCH

UV-LED Flashlight

Lightweight solution for mobile UV testing



Light and compact UV-LED Flashlight with long-life LED technology



Order option: Spray aid for ergonomic, one-handed handling of the flashlight and the testing agent



Ideal for mobile testing with the DEUTROPULS Hand Yoke

UV-LED Flashlight for use in fluorescent magnetic particle and penetrant testing

Features:

- Compact design
- UV-LED technology with long illuminant life of 10,000 hours
- High-power UV-LED
- Half and full brightness selectable via the button
- Immediate operational readiness
- UV irradiance: 30 W/m² or 3,000 μW/cm² at 400 mm distance
- Large UV-illuminated area: Ø 140 mm at 400 mm distance (> 10 W/m² or 1,000 μW/cm² according to ASTM)
- Very uniform irradiance distribution
- Risk class 2 (according to DGZfP leaflet EM 06)
- Meets the requirements of operational safety for the lowest possible UV exposure
- Meets all requirements of the German Society for Non-Destructive Testing (DGZfP leaflet EM 06)
- UV-A radiation with 365 nm wavelength
- No hazard by UV-B and UV-C radiation
- White light component in UV light: < 5 Lux
- Robust aluminium housing
- Dust- and waterproof (IP67)
- Operated by lithium-ion battery, type 18650 with 3.7 V and 2,000 mAh
- 2 batteries plus charger included

- Green/red status LED signals the end of the charging time
- Quality Test Certificate included
- Due to the low operating voltage, there is no danger of electric shocks
- At least 1.5 hours of operation time per battery

Options:

- Spray aid for one-handed handling of the flashlight with a spray can



Supplied in handy carrying case (spray aid optionall)

Technical Data

Flashlight	
Weight	64 g (without battery)
Length / diameter	120 mm / 24 mm
Wave length	365 nm ± 5 nm
UV irradiance (400 mm distance)	30 W/m ²
UV-illuminated area (400 mm distance)	Ø 140 mm
IP protection class (DIN EN 60529)	IP67 (dust- / waterproof)
Battery	
Type	18650 lithium-ion
Capacity	2,000 mAh / 3.7 V
Battery charger	
Power input	USB-A
Input voltage / current	5 V / 2 A
Output voltage / current	4.2 V / 0.6 A

Order Numbers

UV-LED Flashlight incl. 2 batteries, battery charger and carrying case	Order No.: 3813.502
Spray aid for one-handed, simultaneous usage with spray cans	Order No.: 3813.503
Testing agents (selection)	
FLUXA Spray HS-0	Order No.: 9314.9
FLUXA Spray HRS Fluorescent magnetic powders, oil- / water-based	Order No.: 9306.9
KD-CHECK FWP-1	Order No.: 9904.1
KD-CHECK FWP-6 Fluorescent penetrants, oil- / surfactant-based	Order No.: 9917.1

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