



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 380 mm distance
- Large UV-illuminated area: Ø 140 mm at 380 mm distance (> 10 W/m² or 1,000 µW/cm² according to ASTM)
- Very uniform irradiance distribution
- Risk class 2 (according to EM 6)
- 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 6)
- 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 (380 mm distance)	max. 30 W/m ²
UV-illuminated area (380 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	Order No.: 9306.9
Fluorescent magnetic powders, oil- / water-based	
KD-CHECK FWP-1	Order No.: 9904.1
KD-CHECK FWP-6	Order No.: 9917.1
Fluorescent penetrants, oil- / surfactant-based	

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DIN EN ISO
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