

PFINDER 73 ProLight

MOBILE UV LED LAMP

BATTERY OPERATED



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DESCRIPTION

PFINDER 73 ProLight is a hand-held UV lamp based on LED technology for inspection of test results of fluorescent penetrant and magnetic particle testing. The wavelength of PFINDER 73 ProLight is at $365 \pm 3\text{nm}$.

The arrangement of the 16 UV LEDs ensures an extensive and even illumination of the inspection surface with outstanding homogeneity. This supports the peripheral vision during inspections, which improves the reliability of the evaluation. PFINDER 73 ProLight thus fully considers the requirements and the recommendations of EN ISO 3059.

Electronic control keeps the intensity of PFINDER 73 ProLight always at a constant level, regardless of the battery's power level.

A white light LED is used for orientation on the inspection surface avoiding to exceed the maximum allowed illuminance of 20 lx according to EN ISO 3059.

Through the charger, the powerful battery reaches its full capacity again within a short time. By using a standard battery (CAS system), replacement or additional batteries of various capacities are available worldwide.

When working with UV light, we generally recommend the use of suitable protective equipment, e.g. safety glasses with a 100 % UV filter.



YOUR GREEN NDT BENEFITS

- | Worldwide available standard battery system (CAS)
- | Risk class 2 according DGZfP EM6
- | Ergonomic weight balance



YOUR HANDLING + COST SAVING BENEFITS

- | Unmatched large and homogeneous radiation area
- | Constant intensity, regardless of the battery's power level
- | Quick-rechargeable standard battery system

APPROVALS & CONFORMITIES

The product conforms to these specifications / is suitable for the use according to:

- EN ISO 3452-1 | EN 3059 |
- ASTM E 1417 | ASTM E 1444 |
- ASTM E 3022 | RR RRES 90061 |
- IEC 60335-1 | CE conform

CONTENT OF DELIVERY

UV LED lamp | Battery (2 Ah) | Charger | Quick reference guide | Hard case

Versions: PFINDER 73 ProLight – with charger 230 V

PFINDER 73 ProLight – with charger 230 V + ASTM/RR-Certificate

PFINDER 73 ProLight – with charger 110 V + ASTM/RR-Certificate

INFO & VIDEO
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CHARACTERISTIC DATA

	Specification/Note	Unit	Value
Radiation intensity (UV A)	distance = 38 cm (15 in)	$\mu\text{W}/\text{cm}^2$ (W/m ²)	up to 3500 (35)
Radiation area	distance = 38 cm (15 in)		up to 50 cm (20 in)*
Risk class	DGZfP EM6		2
Battery running time (2 Ah)	permanent use	hours	2,5
Battery charging time (2 Ah)		minutes	30
Weight	including battery		900 g (32 oz)
Lifetime UV LEDs		hours	> 20.000

* with a radiation intensity of at least 1,000 $\mu\text{W}/\text{cm}^2 = 10 \text{W}/\text{m}^2$

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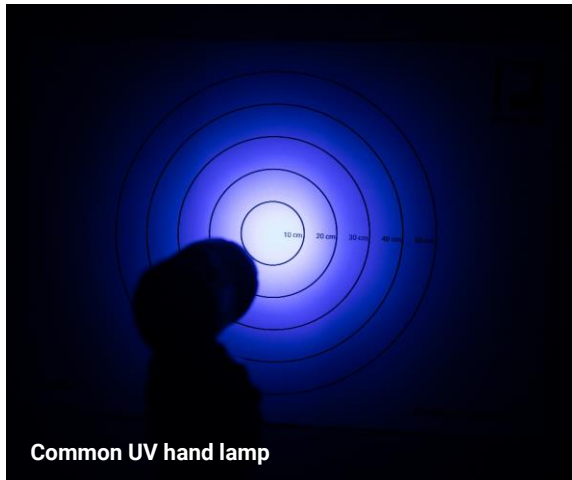
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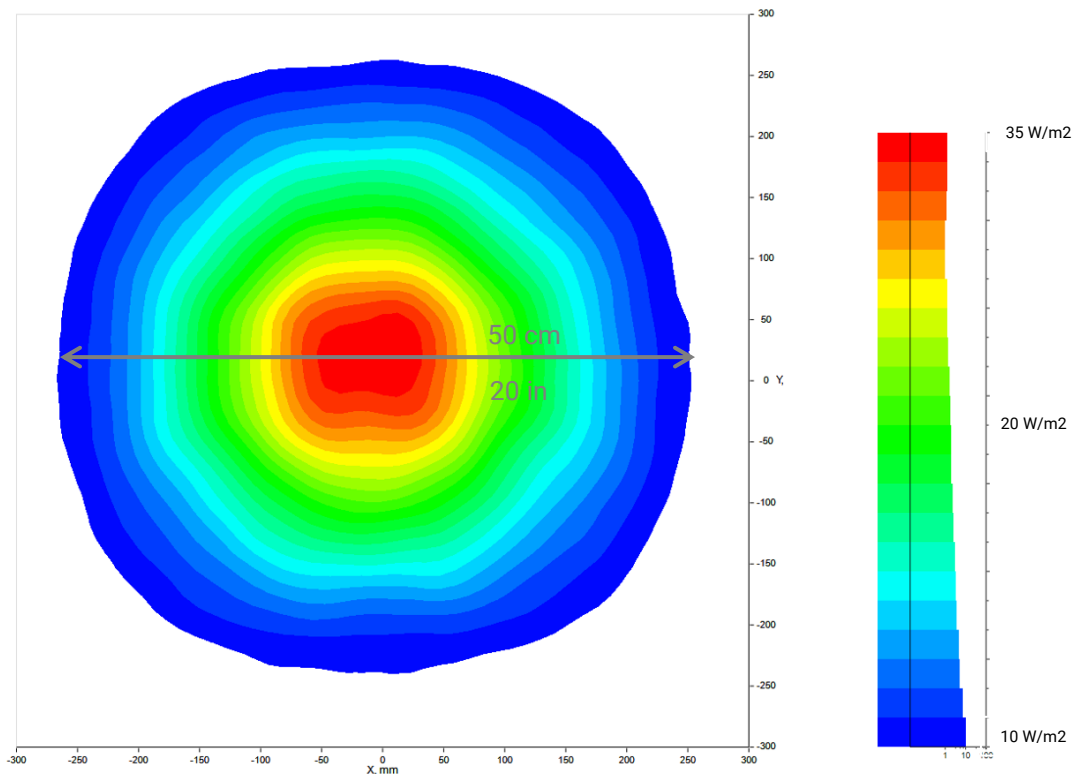


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ILLUSTRATION OF THE RADIATION AREA



MEASURING OF THE RADIATION AREA



Distance to the surface 38 cm (15 in) | Conversion: 3500 $\mu\text{W}/\text{cm}^2$ = 35 W/m²

INFO & VIDEO
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Measured values may vary slightly in practice.