SCANDICO systems

MARVEL C4 – Swedish. Brilliance.

Designed for NDT Applications
by NDT-Experts for NDT-Professionals









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Marvel C4 the revolutionary UV-LED-handlamp for all industrial applications, featuring 4 powerful UV-A (365nm) LEDs, with more than 50,000 h lifetime. An additional, centrally located white light LED makes it possible to switch between flaw detection and fluorescent inspection modes. The smooth, large beam of this hand-held UV lamp makes it a useful tool whether in the field or on a bench. Both versions (Mains/Battery) provides a very high UV-A intensity of 6000µW/cm2 at15 inches (38 cm). Every handheld NDT lamp is strictly tested by our senior engineer to ensure that the spectrum strictly focuses on 365-370nm. It's cordless so fits into any bag and can be taken with you to the customer's. Nothing is overlooked.

The rugged MARVEL C4 is especially designed to fulfill the needs of all NDT (Non-Destructive-Testing), Magnetic-Particle Inspection (MT, MPI), Penetrant-Testing (PT, FPI), requirements to ensure to be compliant to all major industry standards and manufacturer specifications. The LEDs generate a UV light with a wavelength between 365 to 370nm and peak radiation at approximately 365n. All our lamps meets all current specifications for use with fluorescent liquid penetrant and magnetic particle testing. The long LED service life ensures very low operating costs with an extremely fast return on investment. This powerful device pays for itself!

Powered by a rechargeable lithium-ion battery (2 extra included). Provides up to 3 houres of continuous inspection between charges. Scandico Systems Marvel C4 battery powered inspection UV-A LED lamp with the latest LEDs technology is the new high-tech tool for NDT.

The MARVEL C4 performs in all environments regardless of ambient conditions, this powerful lamp provides a wider coverage area than conventional inspection lamps. A unique mechanical cooling system keeps LEDs cool to maintain optimum light output during extended use. Additionally, the lamp features a compact and durable aluminum alloy body that is packed with innovative technology, making it the most rugged, portable and advanced UV lamp on the market. With Marvel C4 you'll be ready to start any project right away!

Compact, lightweight, and beautifully designed, the Marvel C4 allows access to UV inspection of poorly accessible areas and makes it easy for workers to hand-carry this rugged lamp across multiple locations for hours-on-end. No need for power cords. Utilising the most up to date LED technology, the light sources are highly unique because of their high intensity brightness and its tremendous illuminating power makes it the preferred choice for inspectors in all NDT testing to ensure that your products and materials are fit for their intended purpose. Supplied with 4x Batteries, battery charger, vehicle adapter, rugged transport case and UV protective Goggles

Innovative Design

- Groundbreaking Innovation
- Instant start-up and operates silently
- Hard anodized aluminium housing
- Offer customized wavelength High-Power LED Sources
- Robust Design For Reliable Operation even under Rough Industrial Conditions
- 100% solid state circuit ensures working properly in strong magnetic field
- No internal fan
- Conform to All Actual Major Standards
- No UV-B and UV-C radiation
- Low energy consumption
- IP68 Waterproof, CE Marked
- Tested & Complies with ASTM Standard

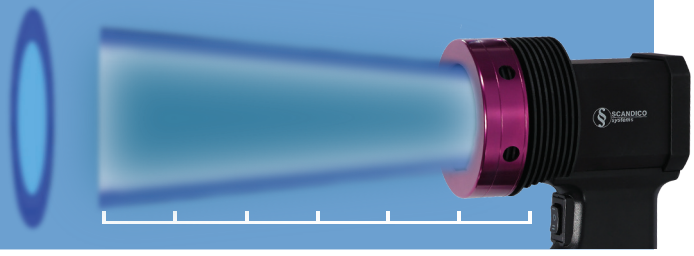
Compact & Flexible Operation

- UV-A radiation at 365 nm wavelength
- Intensity in 38cm (15 inch) distance of over ≥ 6.000 µW/cm2
- Extremely lightweight
- Operates in extreme weather
- Make the field inspections become quick and simple
- High Stability of Intensity and Wavelength
- Runs by Li-ion battery
- No need for power cords.
- Fulfills the safety standards concerning UV radiation
- Small and compact design
- Tested & Complies with ASTM Standard
- Robust Carrying Case

Product's Name	Hand-held UV LED LAMP
Model type	MARVEL C4 Battery Operated
Part No	F304
LED	4 UV LEDs plus White Light LED
Peak Wavelength	365nm ±5nm
Excitation Irradiance	6000µw/cm2 cm2 at 38cm (15 inches)
Visible light(in dark room)	≤5Lux
Lamp Style	Pistol Grip
UVB	0W/m2
UVC	0W/m2
Humidity during operation	Maximum 90% relative humidity (Non-con- densing)
Max housing temperature	<50
Battery	3500mAh, Li-ion battery - 3.7V, 2PCS
Working period	3H after full charging
Operating Temperature	5 - 50°C 5H
LED Life	More than 50.000 hours
NDT Method	(MT, MPI), Penetrant-Testing (PT, FPI)
Weight	Battery version 580 gr

Engineered, Assembled and Qualified in Sweden

UV-A intensity of 6,000 µW/cm2 at 38 cm (15 inches).



For detailed product and qualification information, contact or visit us at www.scandicosystems.com