



MARVEL C4 - Swedish. Brilliance.

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



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UV
365

The C4 Marvel is a mains only UV-A LED lamp 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 at 15 inches (38 cm). And they are widely used in NDT testing. Nothing is overlooked.

UV

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.

NDT

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 365nm.

UV

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. 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 use. 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
- Make the field inspections become quick and simple
- Robust Design For Reliable Operation even under Rough Industrial Conditions
- Heat flow via housing, without fan
- Conform to All Actual Major Standards
- High Stability of Intensity and Wavelength
- No UV-B and UV-C radiation
- Low energy consumption

Compact & Flexible Operation

- UV-A radiation at 365 nm wavelength
- Intensity in 38cm (15 inch) distance of over $\geq 6.000 \mu\text{W}/\text{cm}^2$
- Extremely lightweight
- Operates in extreme weather
- Runs by mains adapter (100-240 V), power supply from vehicles (12-30 V)
- 2.50 m cable length allows an excellent mobility while working with mains adapter
- Various cable length options
- Fulfills the safety standards concerning UV radiation
- Small and compact design
- Tested & Complies with ASTM Standard
- All Worldwide Mains Plugs and Voltages Versions Available
- IP68 Waterproof, CE Marked
- Robust Carrying Case

Product's Name	Hand-held UV LED LAMP
Model type	MARVEL C4 Mains Version
Part No	F304
LED	4 UV LEDs plus White Light LED
Peak Wavelength	365nm $\pm 5\text{nm}$
Excitation Irradiance	6000µW/cm ² cm ² at 38cm (15 inch)
Visible light(in dark room)	$\leq 5\text{Lux}$
Lamp Style	Pistol Grip
UVB	0W/m ²
UVC	0W/m ²
Humidity during operation	Maximum 90% relative humidity (Non-con- densing)
Max housing temperature	<50
Input Voltage	Mains:100-240V 50/60Hz
Power Supply from vehicle	12-30V
Operating Temperature	5 - 50°C 5H
LED Life	More than 50.000 hours
NDT Method	(MT, MPI), Penetrant-Testing (PT, FPI)
Weight	Mains operated version: 550g

Engineered, Assembled and
Qualified in Sweden

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

