



Revelation 577 Yellow laser



The **Revelation Cordless single wavelength 577nm Yellow** forensic laser from Laser Innovations Ltd is the latest compact laser in the Revelation family of products. With DNA cross contamination in mind this system is easy to clean with 10% bleach solution. The portable mains / battery operated laser system is designed for use in the Laboratory and / or the crime scene. This laser provides 3.5 Watts Yellow at 577 nm.

The system includes a fibre optic cable and power level selection control. Like all the Revelation lasers the beam diffuser produces a square beam shape with uniform power intensity across the beam a feature liked by forensic practitioners for grid type searching.

Specifications

Wavelength	577 nm
Beam Diameter	28-48cm
Beam Quality	Uniform speckle free illumination
Output Power	3.5W
Control	External potentiometer to control output power 0.2W – Max 'dead man finger' (i.e. Press for output / release no output) Override function to switch off dead man finger
Light Guide	2 to 5m (customer selectable length)
Interlock	Safety interlock included (DB9 / D-sub connector)
Safety Standards	Complies with EN61010-1/IEC 61010-1 and EN60825-1 / IEC60825-1

Battery (optional)

Battery type	2 x Integrated Lithium Ion batteries with internal battery charger
Input voltage	12V
Battery Lifetime	Approx 4 Hours typical use
Lifetime	>2,000-3,000 hours

Mains Power Requirement

Voltage	110-240V AC
Frequency	50 Hz / 60 Hz
Current	<5A
Power Consumption	400W Maximum; 200W Typical

Operating Conditions

Ambient temperature Range	5-40°C
Humidity	8-85%, non-condensing

Physical Characteristics

Dimensions	538mm x 406mm x 269mm
Weight	<16Kg

Kit Includes

- Ruggedised shock proof, water proof, carrying case
- Laser rated thin film plastic safety goggles x 3, CE certified and laser rated
- Camera Filters with 62mm or 67mm Attachment
- 1 x mains power cable
- Spare fuses
- User Manual

Applications

- LCV treated footwear marks
- GV treated fingerprint marks