

TANK007
Perfect UV Tool

DISTRIBUÉ PAR / DISTRIBUTED BY:

QNDE
QUALITY NDE LTD

QUEBEC

164, St-Jean-Baptiste
Mercier, QC J6R 2C2
450-691-9090
info@qn.de.ca

ONTARIO

275, Sheldon Drive, Unit 3
Cambridge, ON N1T 1A3
519-894-9069
nadams@qn.de.ca

ALBERTA

7307, 50 street NW
Edmonton, AB T6B 2J9
587-689-6811
ifields@qn.de.ca

www.qn.de.ca

1-800-361-3630

NEW

UVC31-NDT

Industrial Grade NDT Portable UV Lamp

UVC31-NDT Comply with ASTM E3022-18
standard and national non-destructive testing
standard for pressure equipment



Industrial flaw detection



NB/T 47013-2015

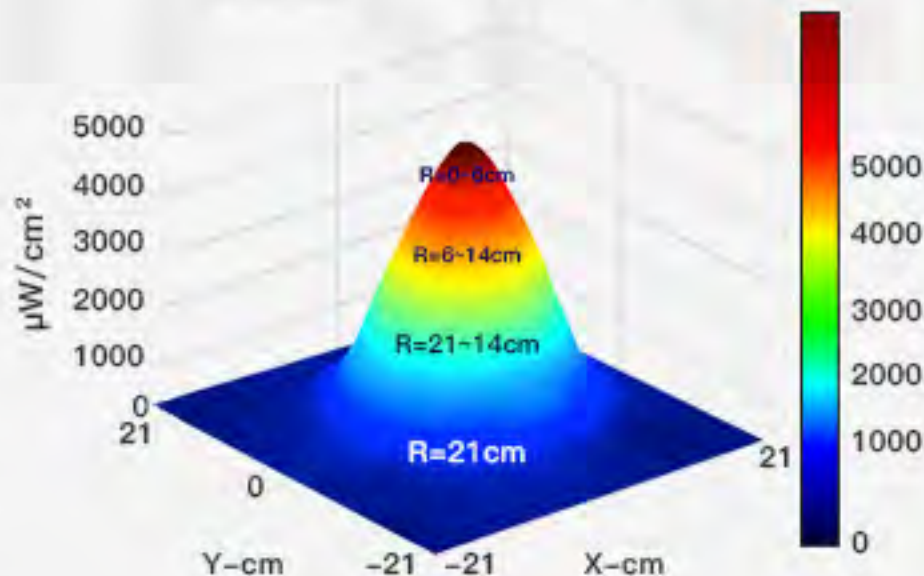


The central UV intensity is **9000 $\mu\text{W}/\text{cm}^2$ @38cm** and the visible beam diameter 16cm

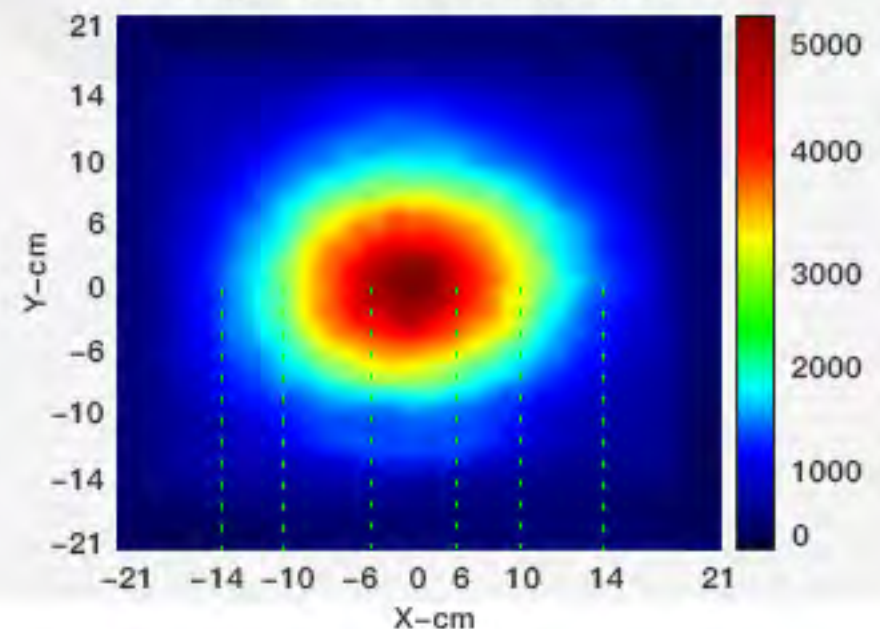
- The beam diameter of $>200\mu\text{W}/\text{cm}^2$ is larger than 42cm.
- The beam diameter of $>1000\mu\text{W}/\text{cm}^2$ is larger than 28cm.
- The beam diameter of $>2000\mu\text{W}/\text{cm}^2$ is larger than 20cm.
- The beam diameter of $>5000\mu\text{W}/\text{cm}^2$ is larger than 12cm.



BigBeam Aerospace Midlight Mains



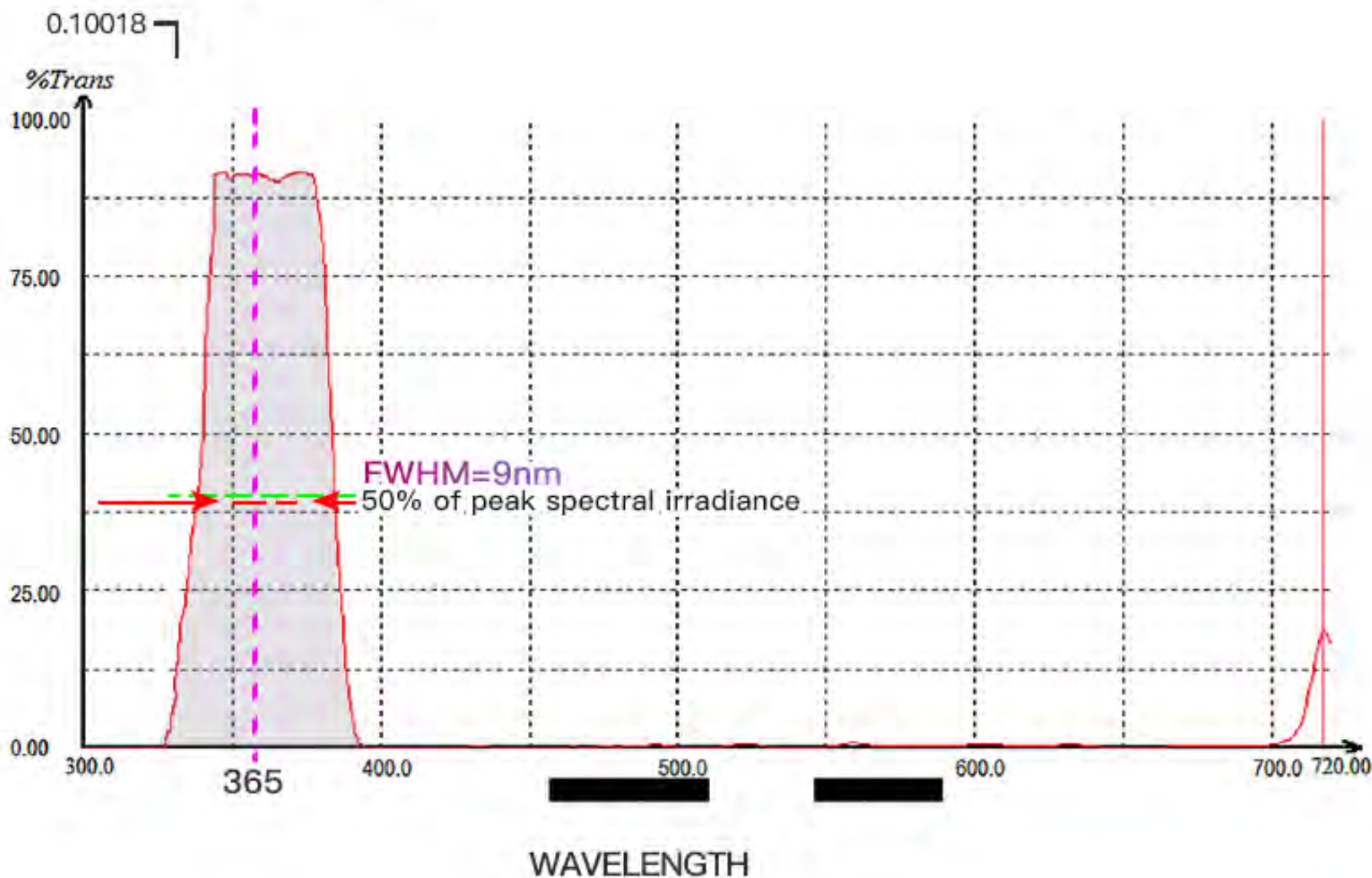
BigBeam Aerospace Midlight Mains



Nichia industrial grade UV LED light source

Peak wavelength 365nm, FWHM=9nm, no harmful UVB/UVC band

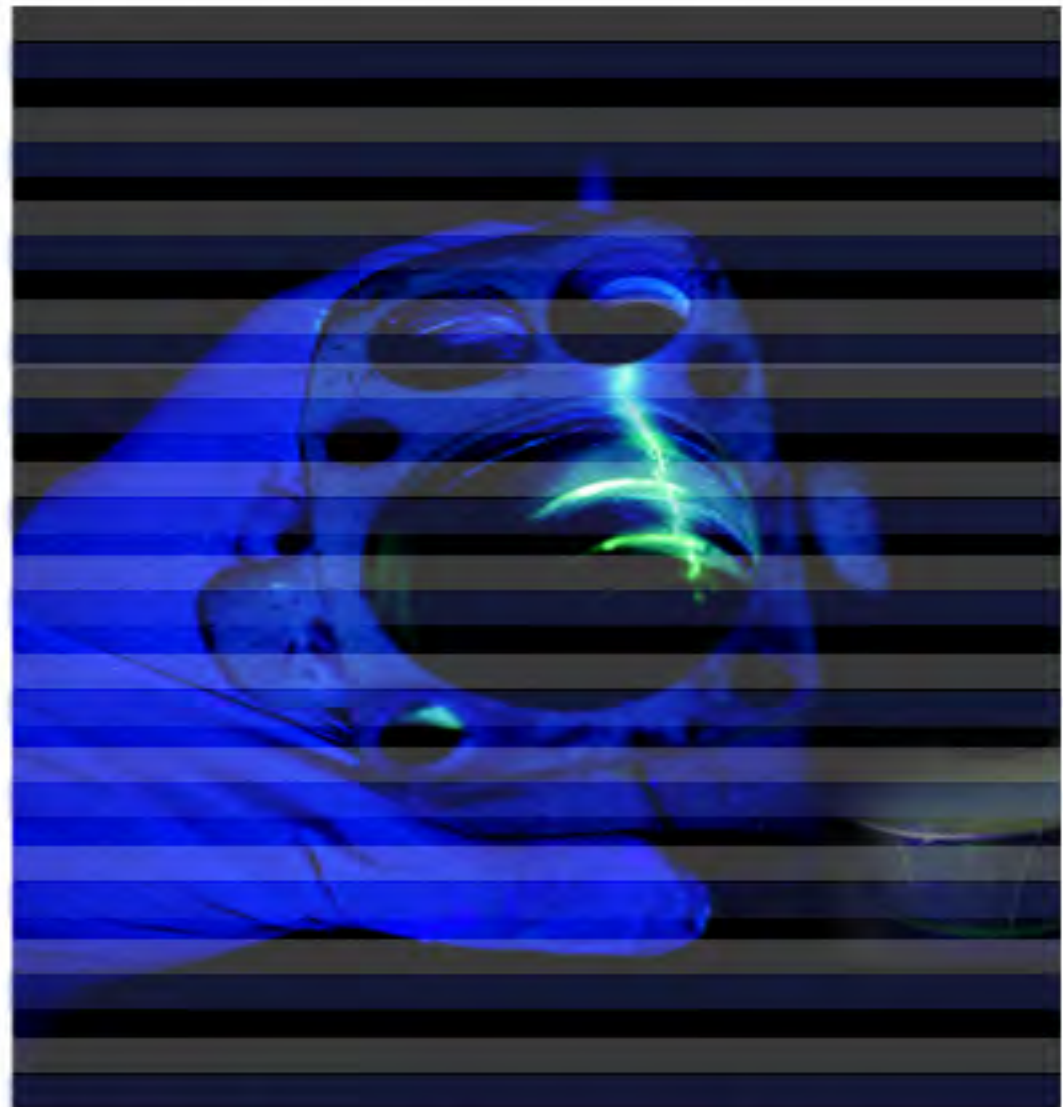
ABSOLUTE SPECTRUM



Optical filter
365nm UVA transmittance over 90%

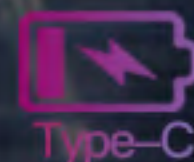


Non-PWM constant current circuit no flicker and safer



Comparison of illumination effects between PWM circuit and non-flicker circuit

TANK007
Perfect UV Tool



USB Type-C port for direct charging, convenient and fast



① There is a Type-C charging interface on the neck, easy to charge

② Three-color indicator light showing various states



Working status: blue light on



Charging process: red light on



Fully charged: green light on

Non-destructive testing standard design no worry for industrial use

The product is light and small, similar to palm size, and it with a clip, easy to carry, tail key switch, easy to operate with gloves



The working case temperature
is lower than 43.3 °C



Lightweight and portable



With holding clip



Tail switch

*The product complies with ASTM E3022-18, the national standard for non-destructive testing of pressure equipment (NB/T 47013-2015)

IP67 grade protection

Completely prevent dust and mud from entering
Works normally under 1 meter water

1.5 meters drop resistance

The fuselage is made of aviation-grade aluminum alloy 6061-T6, which can withstand high-strength rolling impact. The product has passed the 1.5-meter drop test, and the surface is treated with military-grade three-level oxidation treatment.



UVC31-NDT Mainly for non-destructive testing (NDT) industry use

The product complies with ASTM E3022-18, the national standard for non-destructive testing of pressure equipment (NB/T 47013-2015)



Fluorescent Penetrant Testing



Fluorescent Magnetic Particle Inspection

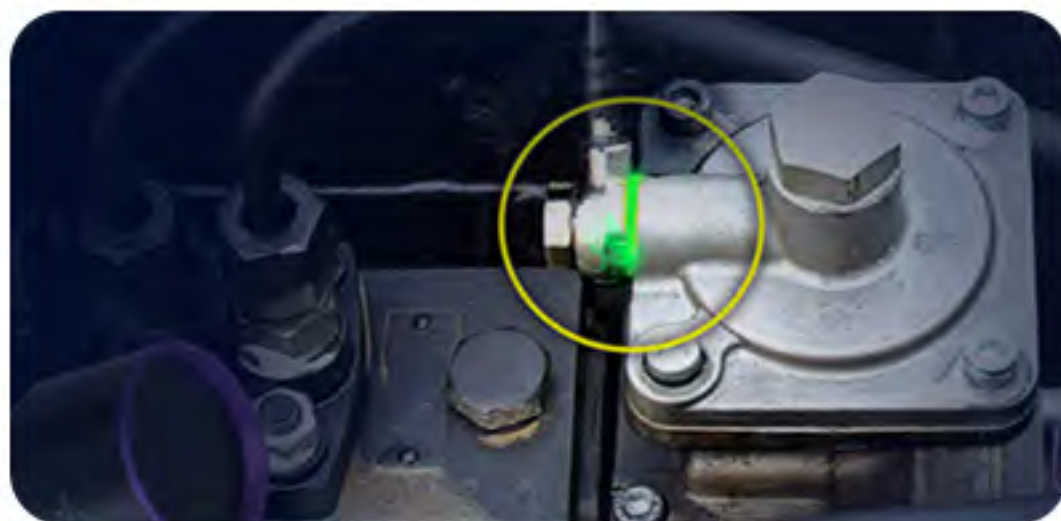


Fluorescent leak detection

More other extended applications



- ▶ Cleanliness inspection: cleaning inspection of oil stains, stains, dairy production lines, pharmaceutical industry, etc.



- ▶ Leak detection of special gases, detection of leaks in oil and gas pipelines, air conditioners, and automobile circulation systems.



- ▶ Criminal and forensic investigations



- ▶ Inspection of printed circuit boards, LED panels, etc.

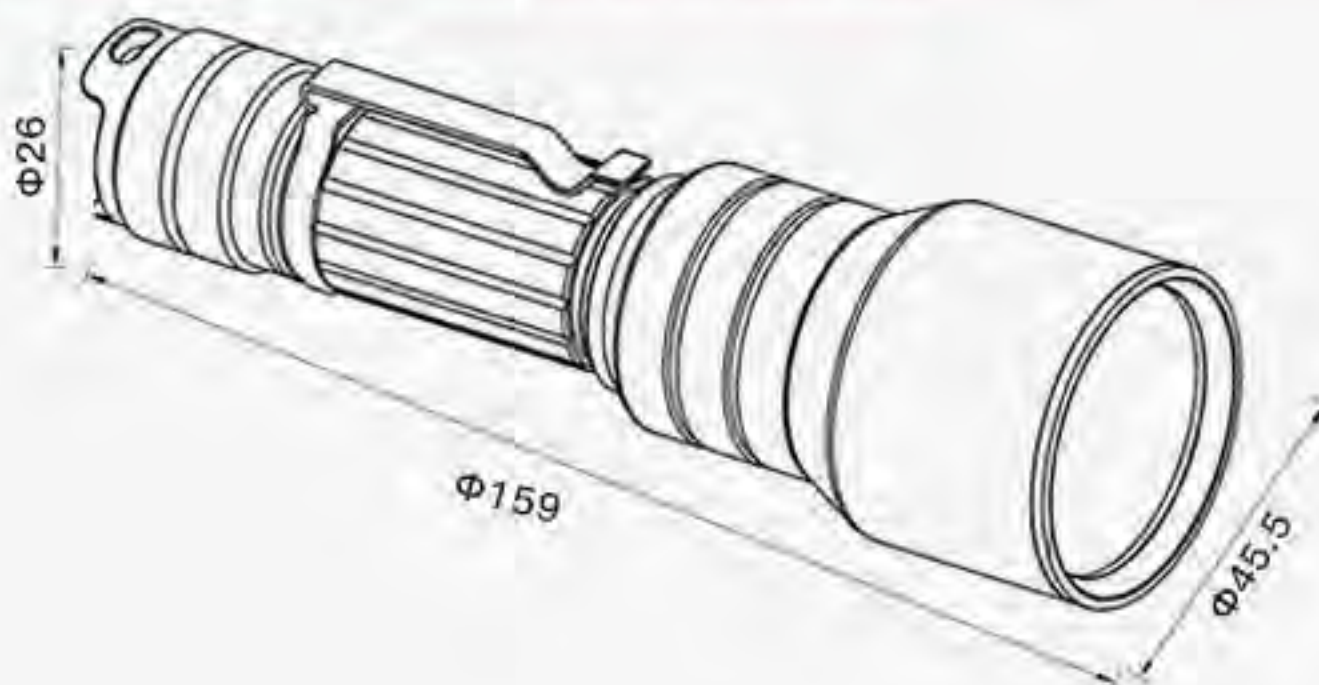
- ▶ Fluorescence Reflectance Detection of Special Substances



UVC31-NDT SPECIFICATIONS

Brand & Model No.	TANK007 UVC31-NDT	LED & life	Japa NICHIA LED, LED Life 20000h+
Power	6W	Wavelength	365nm, FWHM=9nm
UV intensity	9000 μ W/cm ² @38cm	Visible light intensity	< 5LUX
Lens	Customized UV special black lens	Light beam diameter	16cm@38cm
Operating Voltage	3.7V-4.2V		
Circuit parameters	3.7V-4.2V, Constant current design (non-PWM), no stroboscopic, anti-reverse battery connection Overvoltage, overcurrent, overcharge protection, heat dissipation design and active temperature control		
Indicator light	Working: blue light on/Charging: red light on Fully charged: green light on	Battery	1* 18650 Li-ion battery Battery capacity is 2600mAh
Running time	3hours	Charging method	USB TYPE-C, 1A current
Waterproof	IP67 waterproof; 1.5m Anti-drop	Size	L159mm* B ϕ 26mm* H ϕ 45.5mm
Weight	194 g(without battery), battery weight 20g	Material	Aluminum alloy 6061 T6
Surface treatment	Military Grade III anodized hard anodized	Switch	Tail key switch
Accessories	Aluminum alloy suitcase, UV protective glasses, 18650 battery, USB TYPE-C charging cable, holster, hand strap, instruction manual		

Note: The above parameters are tested in the environment of TANK007 TANK007 laboratory, and the actual performance may vary due to changes in the battery and the use environment



物理单位: mm

IN THE BOX

- 1 UVC31-NDT flashlight x 1
- 2 Aluminum alloy suitcase, UV protective glasses, 18650 battery, USB TYPE-C charging cable, holster, hand strap, instruction manual



DISTRIBUÉ PAR / DISTRIBUTED BY:

QNDÉ
QUALITY NDE LTD

QUEBEC

164, St-Jean-Baptiste
Mercier, QC J6R 2C2
450-691-9000
info@qnde.ca

ONTARIO

275, Sheldon Drive, Unit 3
Cambridge, ON N1T 1A3
519-894-9009
nadams@qnde.ca

ALBERTA

7307, 50 street NW
Edmonton, AB T6B 2J9
587-689-6811
ifields@qnde.ca

www.qnde.ca

1-800-361-3630